2007 CENSUS OF AGRICULTURE

United States

Summary and State Data

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Cynthia Z.F. Clark, Administrator

Acknowledgments

The success of the census of agriculture is directly dependent upon the participation of America's farmers and ranchers, and we are grateful for every agricultural operator who furnished the information requested. Their cooperation and support helped make the 2007 Census of Agriculture the most successful count in history. It was their future, their voice, and their responsibility and they spoke out for their farms and their industry.

The 2007 census was the most comprehensive effort to date to reach all agriculture operations, regardless of size. We appreciate our relationship with the American Indian community and the many community based organizations across the country that helped educate their constituents about the importance of the census. Their support aided greatly in our efforts.

Additionally, there were many organizations and partners who recognize the importance of good data and helped encourage producers to respond. The farm organizations, stakeholder groups, and agricultural media were instrumental in building awareness of the census and encouraging farmers and ranchers to participate. They truly were effective partners driving the message that the census is every producer's voice, future, and responsibility.

Other USDA agencies and representatives from State departments of agriculture offered invaluable advice during the planning, data collection, and processing phases of the census. They also provided critical assistance at the local level to farmers and ranchers completing census forms. Special thanks are extended to the enumerators who collect data locally through NASS's cooperative agreement with the National Association of State Departments of Agriculture. By helping NASS build and maintain quality relationships with our primary stakeholders, the enumerators are important contributors to quality statistics.

Members of the Advisory Committee on Agriculture Statistics and representatives of both public and private organizations offered recommendations on census content. NASS appreciates their strong and consistent support for our programs.

Finally, NASS acknowledges the services provided by the U.S. Department of Commerce, National Processing Center in Jeffersonville, IN.

Detailed census of agriculture information is available online at www.agcensus.usda.gov. Information about NASS and its programs is available at www.nass.usda.gov. If you would like more information, you can also call (800) 727-9540 or email nass@nass.usda.gov.

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Introduction

HISTORY

For 156 years (1840 - 1996), the U.S. Department of Commerce, Bureau of the Census was responsible for collecting census of agriculture data. The 1997 Appropriations Act contained a provision that transferred the responsibility for the census of agriculture from the Bureau of the Census to the U.S. Department of Agriculture (USDA), National Agricultural Statistics Service (NASS). The 2007 Census of Agriculture is the 27th Federal census of agriculture and the third conducted by NASS.

The first agriculture census was taken in 1840 as part of the sixth decennial census of population. The agriculture census continued to be taken as part of the decennial census through 1950. A separate mid-decade census of agriculture was conducted in 1925, 1935, and 1945. From 1954 to 1974, the census was taken for the years ending in 4 and 9. In 1976, Congress authorized the census of agriculture to be taken for 1978 and 1982 to adjust the data reference year so that it coincided with other economic censuses. This adjustment in timing established the agriculture census on a 5-year cycle collecting data for years ending in 2 and 7.

USES OF CENSUS DATA

The census of agriculture is the leading source of facts and statistics about the Nation's agricultural production. It provides a detailed picture of U.S. farms and ranches every five years and is the only source of uniform, comprehensive agricultural data for every State and county or county equivalent in the U.S.

Agriculture census data are routinely used by farm organizations, businesses, State departments of agriculture, elected representatives and legislative bodies at all levels of government, public and private sector analysts, the news media, and colleges and universities. Agriculture census data are used to:

- Evaluate, change, promote, and formulate farm and rural policies and programs that help agricultural producers;
- Study historical trends, assess current conditions, and plan for the future;
- Formulate market strategies, provide more efficient production and distribution systems, and locate facilities for agricultural communities;
- Make energy projections and forecast needs for agricultural producers and their communities;
- Develop new and improved methods to increase agricultural production and profitability;
- Allocate local and national funds for farm programs, e.g. extension service projects, agricultural research, soil conservation programs, and land-grant colleges and universities;
- Plan for operations during drought and emergency outbreaks of diseases or infestations of pests.
- Analyze and report on the current state of food, fuel, feed, and fiber production in the United States.

In addition agricultural news media and agricultural associations use census data as background material for stories and articles on U.S. agriculture and the foods we produce.

AUTHORITY

The 2007 Census of Agriculture is required by law

under the "Census of Agriculture Act of 1997," Public Law 105-113 (Title 7, United States Code, Section 2204g). The law directs the Secretary of Agriculture to conduct a census of agriculture in 1998 and in every fifth year after, covering the prior year. The census of agriculture includes each State, Puerto Rico, Guam, the U.S. Virgin Islands, the Commonwealth of Northern Mariana Islands, and American Samoa.

FARM DEFINITION

The census definition of a farm is any place from which $1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year. The definition has changed nine times since it was established in 1850. The current definition was first used for the 1974 Census of Agriculture and has been used in each subsequent agriculture census. This definition is consistent with the definition used for current USDA surveys. The farm definition used for each U.S. territory varies. The report for each territory includes a discussion of its farm definition.

DATA COMPARABILITY

Most data are comparable between the 2007 and 2002 censuses. A few changes were made to the 2007 census that affect comparability for some data items. See Appendix B, General Explanation and Census of Agriculture Report Form, Data Changes for a detailed discussion of these changes. Dollar figures are expressed in current dollars and have not been adjusted for inflation or deflation. In general, data for censuses since 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition.

REFERENCE PERIOD

Reference periods for the 2007 Census of Agriculture were similar to those used in the 2002 Census of Agriculture. Reference periods used were:

- Crop production is measured for the calendar year, except for a few crops such as avocados, citrus, and olives for which the production year overlaps the calendar year. See Appendix B, General Explanation and Census of Agriculture Report Form for details.

- Livestock, poultry, and machinery and equipment inventories, market value of land and buildings, and grain storage capacity are measured as of December 31 of the census year.

- Crop and livestock sales, farm expenses, income from federal farm programs, irrigation, Commodity Credit Corporation loans, Conservation Reserve, Farmable Wetlands, Conservation Reserve Enhancement, and Wetlands Reserve Program participation, direct sales income, chemical and fertilizer use, farm-related income, and hired farm labor data are measured for the calendar year.

TABLES AND APPENDICES

Chapter 1. Table 1 shows U.S.-level historical data through the 1978 census and tables 2 through 57 show detailed U.S.-level data usually accompanied by historical data from the 2002 census. Tables 58 through 65 show detailed U.S.-level data cross-tabulated by several categories for the 2007 census only.

Chapter 2. State-level data are presented in 56 tables in 2 different table formats - State and State summary. Most tables include 2002 historical data. State tables include general data for all States within the U.S. The State names are listed in alphabetical order in the column headings. State summary tables provide comprehensive data for all States reporting a data item.

Appendix A. Provides information about data collection and data processing activities and discusses the statistical methodology used in conducting and evaluating the census. Table A summarizes nonresponse and coverage adjustment for selected items for the U.S. Table B provides reliability estimates of U.S. totals for selected items. Table C summarizes nonresponse and coverage adjustment for selected items at the State level. Table D provides total number of American Indian or Alaska Native farm operators both on and off reservations by State.

Appendix B. Includes definitions of specific terms and phrases used in this publication, including items in the publication tables that carry the note "see text." It also provides facsimiles of the report form and instruction sheet used to collect data.

RESPONDENT CONFIDENTIALITY

In keeping with the provisions of Title 7 of the United States Code, no data are published that would disclose information about the operations of an individual farm or ranch. All tabulated data are subjected to an extensive disclosure review prior to publication. Any tabulated item that identifies data reported by a respondent or allows a respondent's data to be accurately estimated or derived, was suppressed and coded with a 'D'. However, the number of farms reporting an item is not considered confidential information and is provided even though other information is withheld.

SPECIAL EFFORTS DIRECTED AT MINORITIES

NASS implemented several activities to improve coverage of minority farm operators. These activities included, but were not limited to:

- Obtaining mail lists from organizations likely to contain names and addresses of minority farm operators; and

- Conducting pre-census promotion activities that targeted women, American Indian and Alaska Native, Black and African American, and Spanish, Hispanic, or Latino origin farm operators; and

- In 2002 an initial effort was made to collect data from individual operators on American Indian reservations in three States. In 2007 this effort was expanded to attempt to collect data from operators on reservations in all States with reservations; and

- Producing a Spanish report form version for Field Office and enumerator use.

SPECIAL STUDIES AND CUSTOM TABULATIONS

Special studies such as the 2008 Farm and Ranch Irrigation Survey, the 2008 Organic Production Survey, the 2009 Census of Horticultural Specialties, the 2010 Census of Aquaculture, and the 2010 Land and Economic Stability Survey are part of the census program and provide supplemental information to the 2007 Census of Agriculture in the respective subject area. Results are published in print and on the internet.

Custom-designed tabulations may be developed when data are not published elsewhere. These tabulations are developed to individual user specifications on a cost-reimbursable basis and shared with the public. The census Volume 1 on CD-ROM is an alternative data source that should be investigated before requesting a custom tabulation.

All special studies and custom tabulations are subject to a thorough disclosure review prior to release to prevent the disclosure of any individual respondent data. Requests for custom tabulations can be submitted via the internet from the NASS home page, by mail, or by e-mail to:

DataLab
National Agricultural Statistics Service
Room 6436A, Stop 2054
1400 Independence Avenue, S.W.
Washington, D.C. 20250 - 2054
or
Datalab@nass.usda.gov

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

- Represents zero.

(D) Withheld to avoid disclosing data for individual farms.

(H) Standard error or relative standard error of estimate is greater than or equal to 99.95 percent.

(IC) Independent city

(L) Standard error or relative standard error of estimate is less than .05 percent.

(NA) Not available.

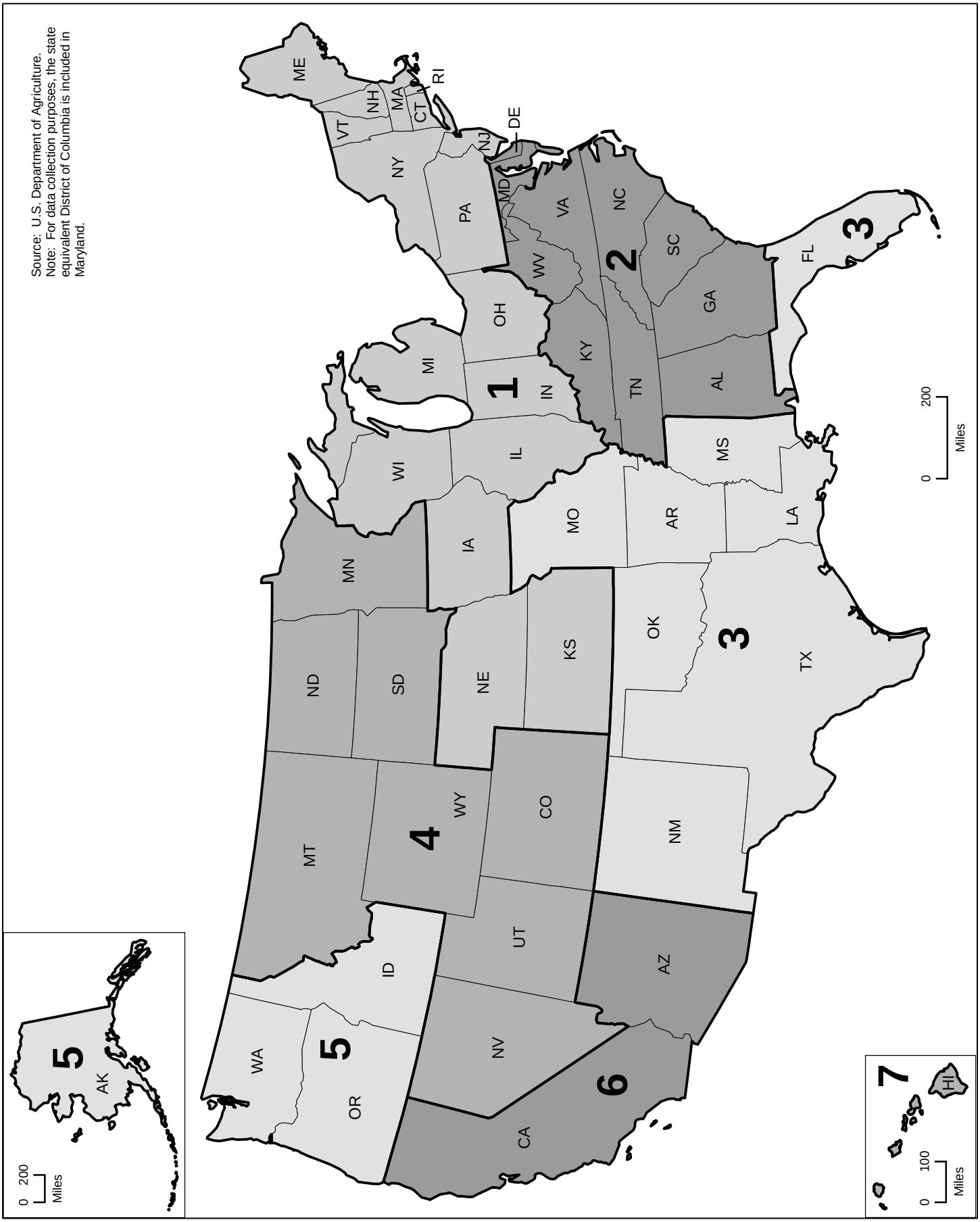
(X) Not applicable.

(Z) Less than half of the unit shown.

cwt Hundredweight

sq ft Square feet

Report Form Regions for the 2007 Census of Agriculture



USDA, National Agricultural Statistics Service

Figure 1. Profile of the Nation's Agriculture

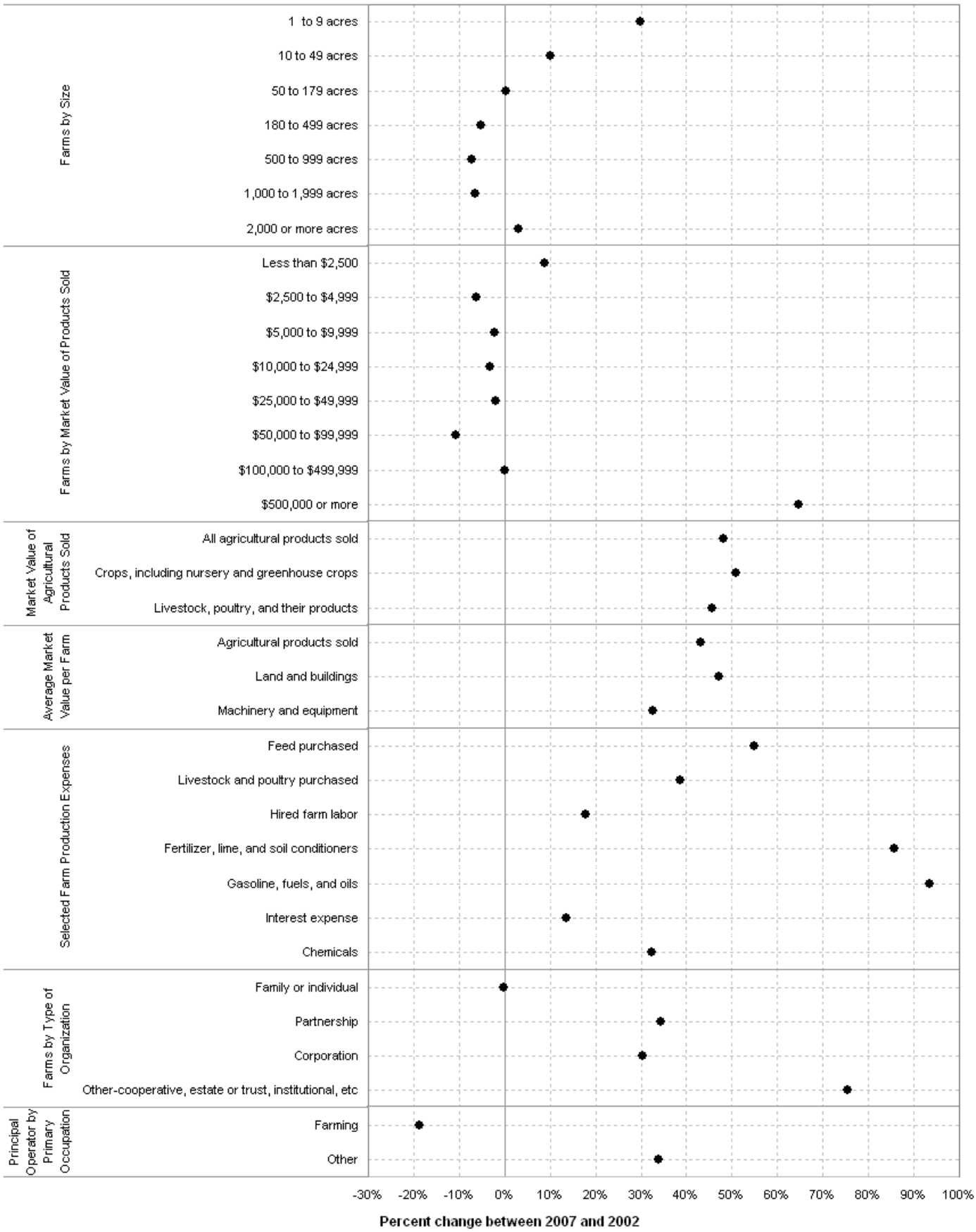


Figure 2. Farms by Size

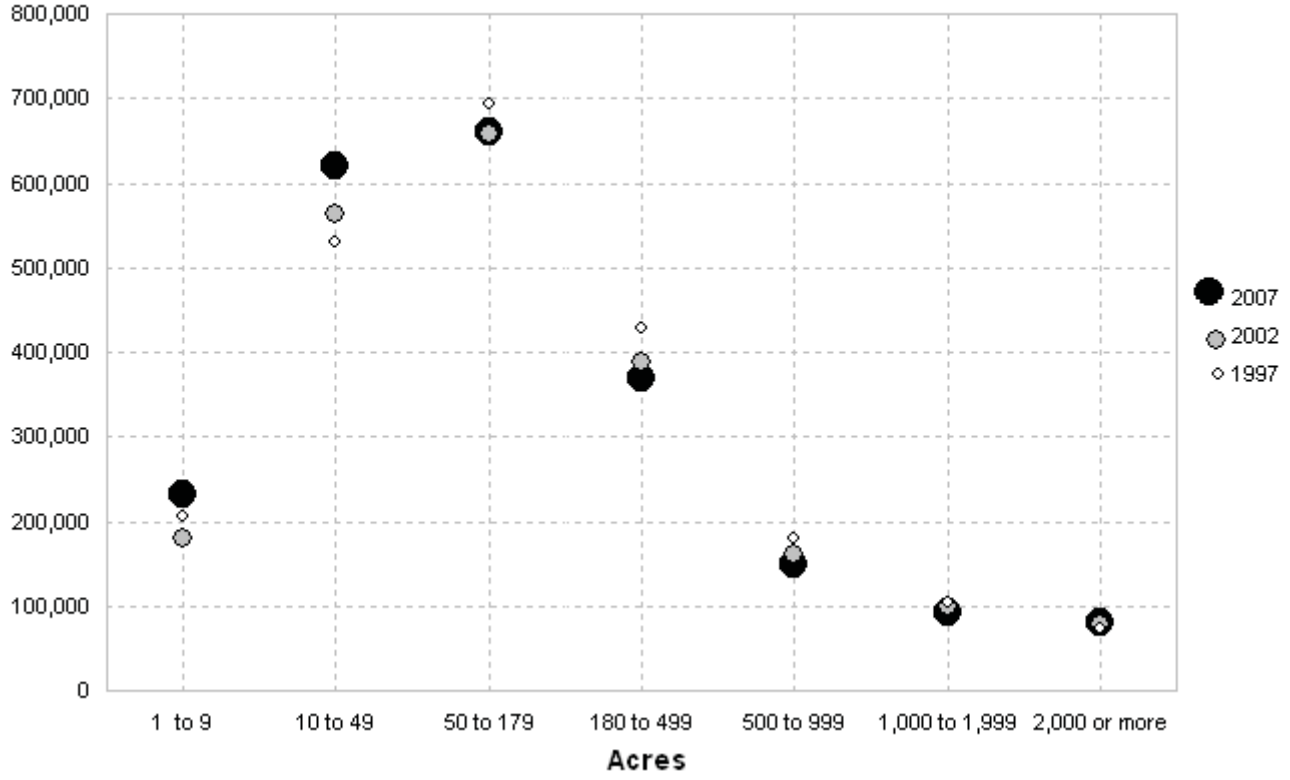


Figure 3. Farms by Market Value of Agricultural Products Sold

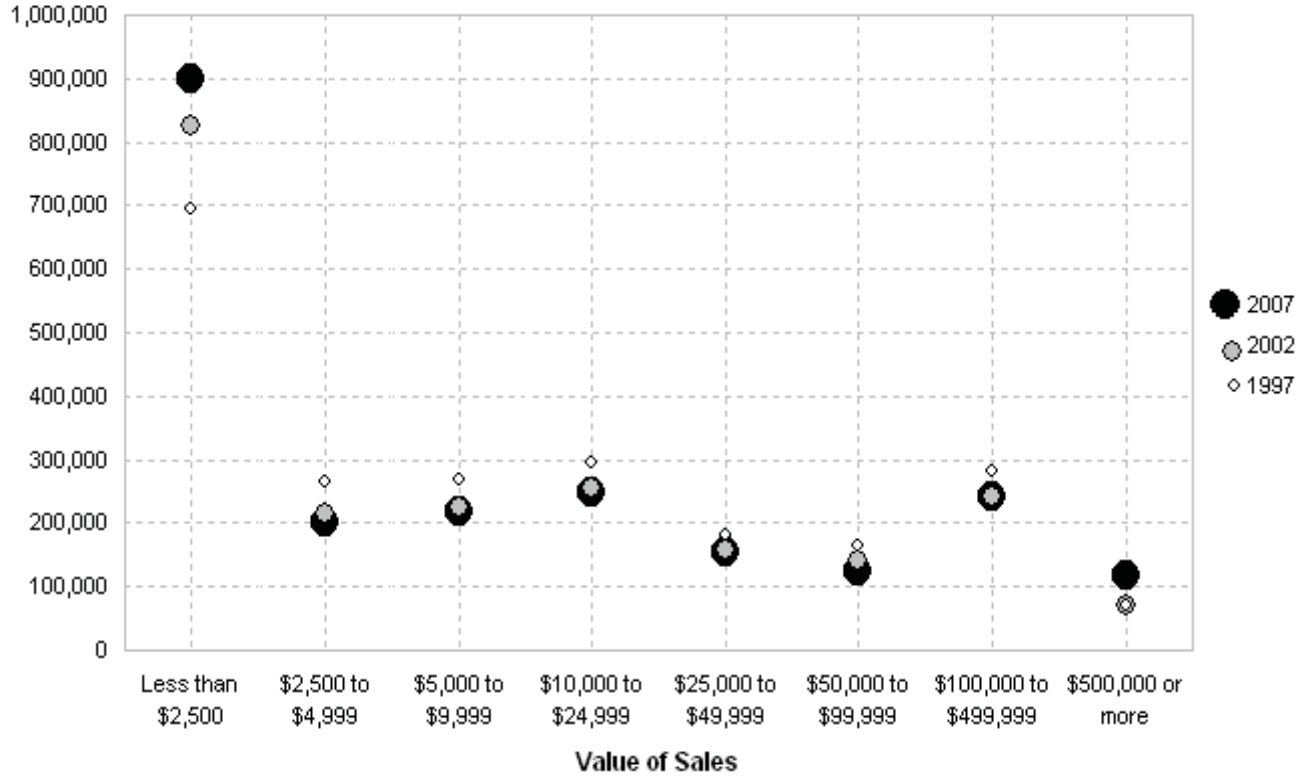


Figure 4. Market Value of Agricultural Products Sold

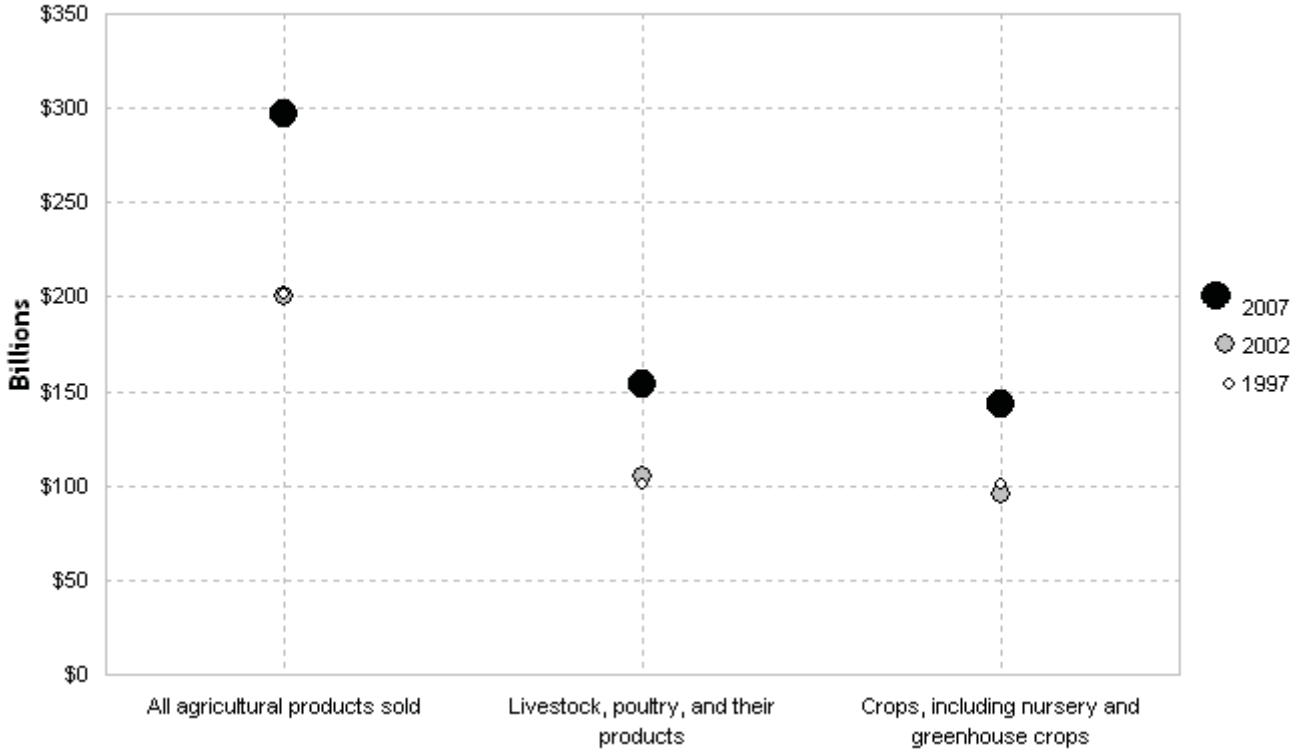


Figure 5. Average Market Value per Farm

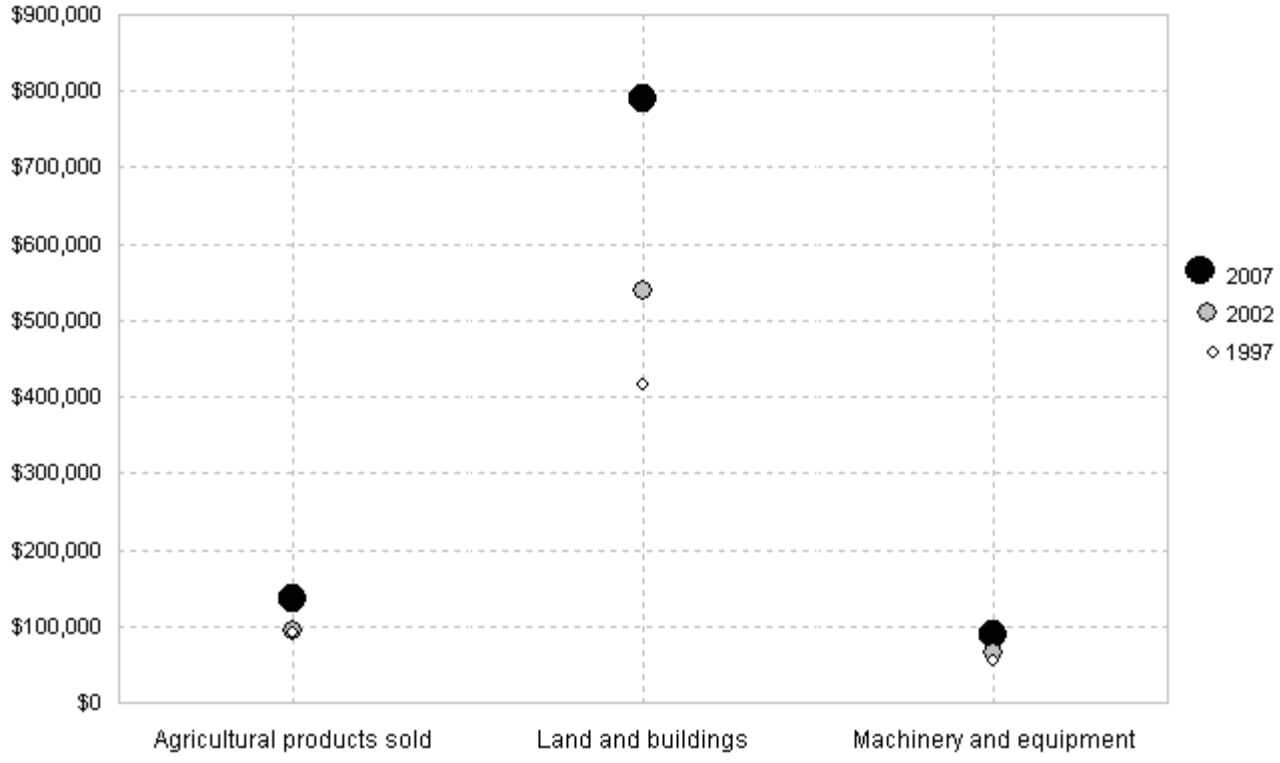


Figure 6. Selected Farm Production Expenses

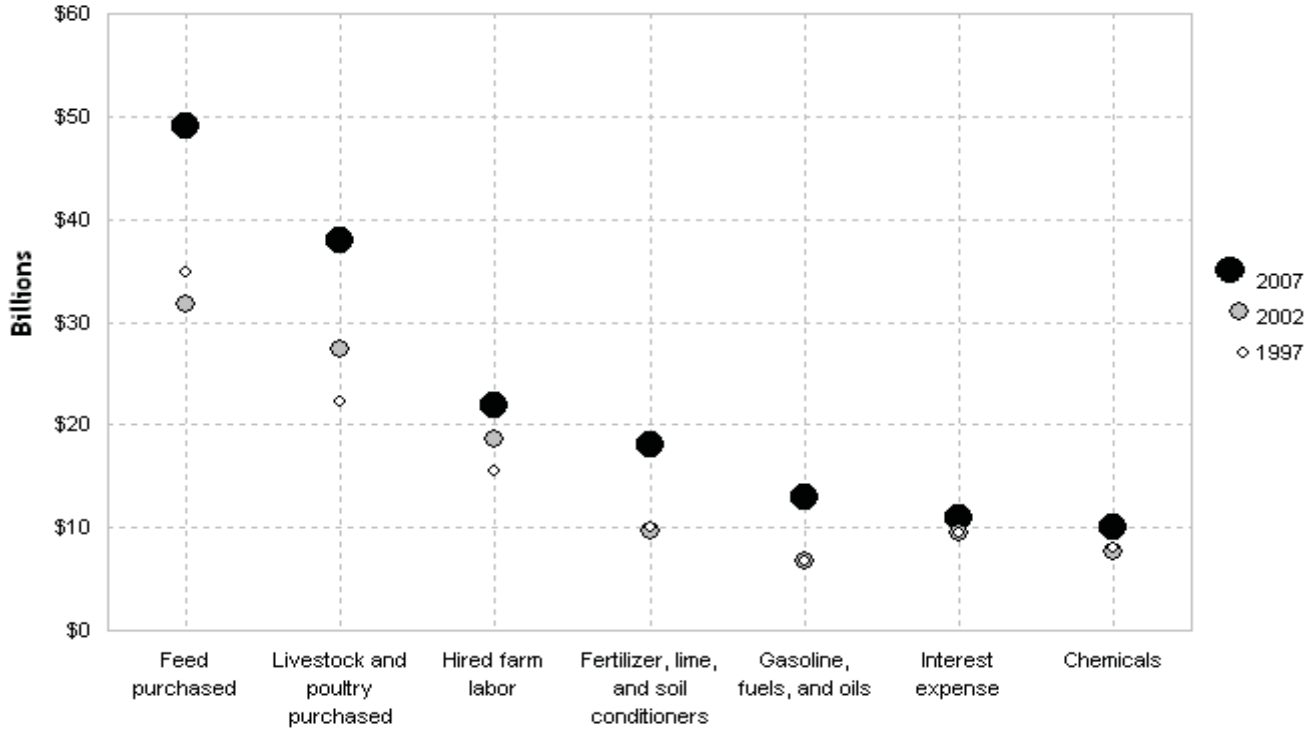


Figure 7. Selected Farm Production Expenses - Percent of Total

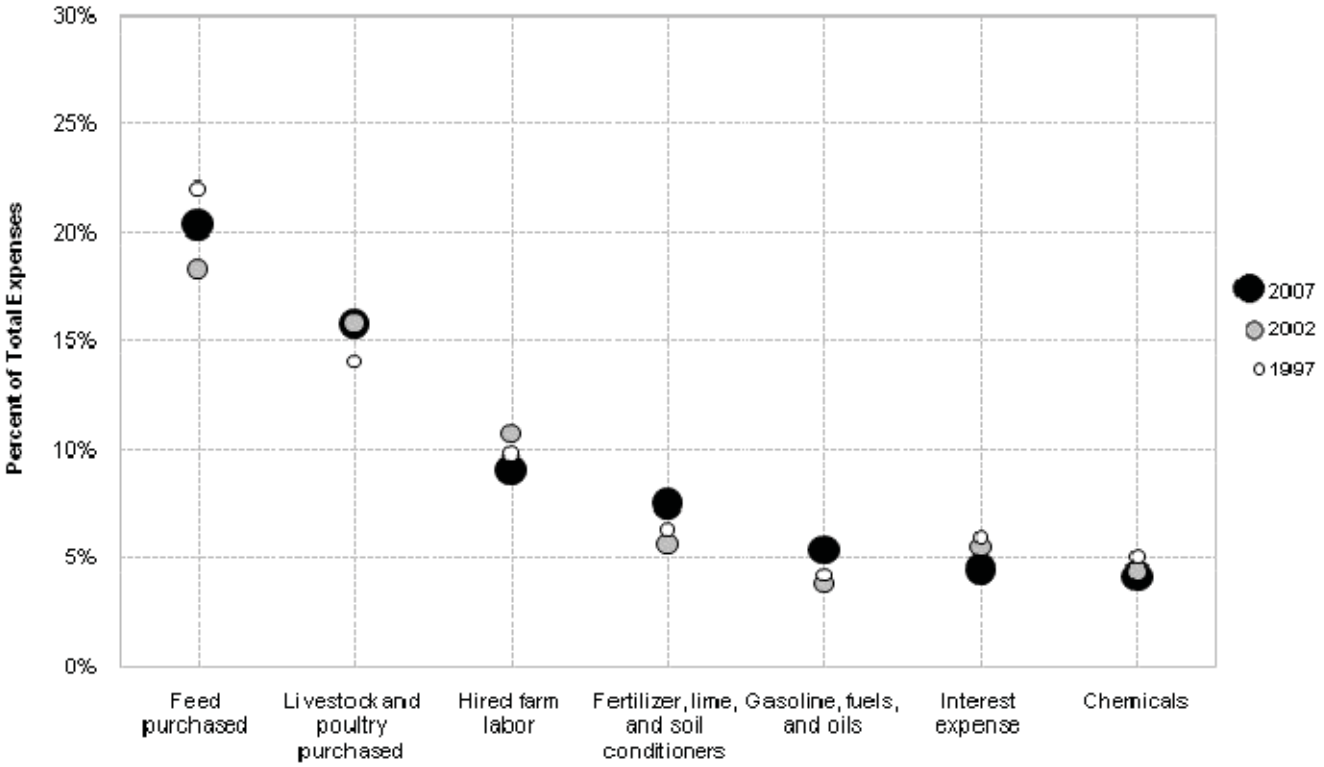


Figure 8. Farms by Type of Organization - Percent of Total

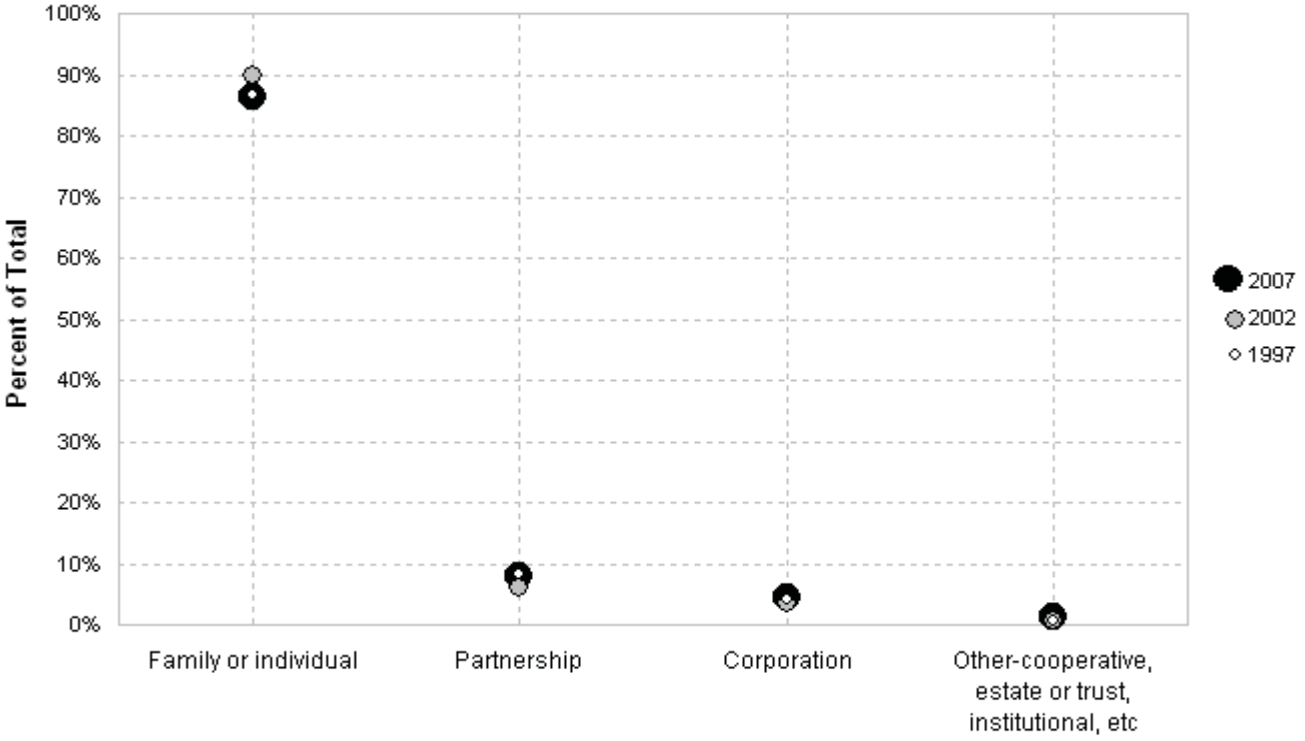


Figure 9. Principal Operator by Primary Occupation- Percent of Total

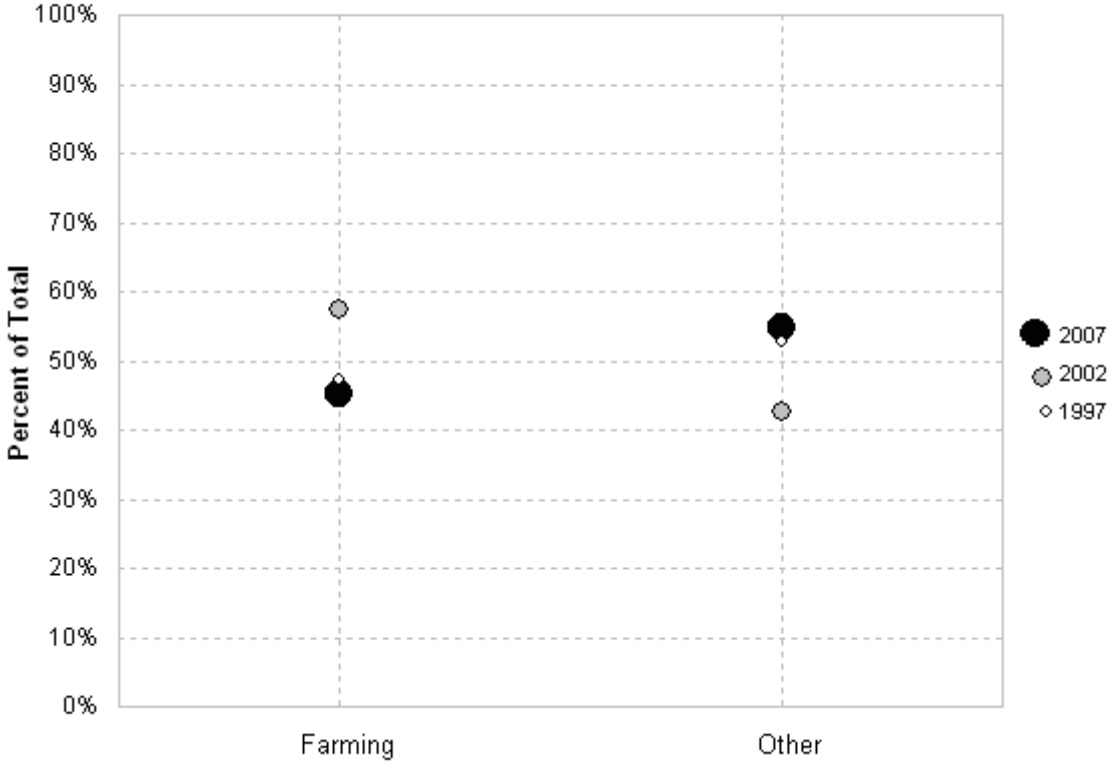


Table 1. **Historical Highlights: 2007 and Earlier Census Years**

[For meaning of abbreviations and symbols, see introductory text]

All farms	2007	2002	1997	Not adjusted for coverage				
				1997	1992	1987	1982	1978
Farms ..... number	2,204,792	2,128,982	2,215,876	1,911,859	1,925,300	2,087,759	2,240,976	2,257,775
Land in farms ..... acres	922,095,840	938,279,056	954,752,502	931,795,255	945,531,506	964,470,625	986,796,579	1,014,777,234
Average size of farm ..... acres	418	441	431	487	491	462	440	449
Estimated market value of land and buildings [1]:								
Average per farm ..... dollars	791,138	537,833	416,007	449,748	357,056	289,387	345,869	279,672
Average per acre ..... dollars	1,892	1,213	967	933	727	627	784	619
Estimated market value of all machinery and equipment [1] $1,000	194,783,471	136,624,880	119,302,923	110,256,802	93,316,496	85,801,360	93,662,947	77,600,689
Average per farm ..... dollars	88,357	66,570	53,861	57,678	48,605	41,227	41,919	34,471
Farms by size:								
1 to 9 acres	232,849	179,346	205,390	153,515	166,496	183,257	187,665	151,233
10 to 49 acres	620,283	563,772	530,902	410,833	387,711	412,437	449,252	391,554
50 to 179 acres	660,530	658,705	694,489	592,972	584,146	644,849	711,652	759,047
180 to 499 acres	368,368	388,617	428,215	402,769	427,648	478,294	526,510	581,631
500 to 999 acres	149,713	161,552	179,447	175,690	186,387	200,058	203,925	213,209
1,000 to 1,999 acres	92,656	99,020	103,007	101,468	101,923	102,078	97,395	97,800
2,000 acres or more	80,393	77,970	74,426	74,612	70,989	66,786	64,577	63,301
Total cropland ..... farms	1,685,339	1,751,450	1,857,239	1,661,395	1,697,137	1,848,574	2,010,609	2,081,604
acres	406,424,909	434,164,946	445,324,765	431,144,896	435,365,878	443,318,233	445,362,028	453,874,133
Harvested cropland ..... farms	1,328,004	1,362,608	1,545,681	1,410,606	1,491,786	1,643,633	1,809,756	1,904,602
acres	309,607,601	302,697,252	318,937,401	309,395,475	295,936,976	282,223,880	326,306,462	317,145,955
Irrigated land ..... farms	301,028	299,583	308,818	279,442	279,357	291,628	278,277	280,779
acres	56,599,305	55,311,236	56,289,172	55,058,128	49,404,030	46,386,201	49,002,433	50,349,906
Market value of agricultural products sold (see text) $1,000	297,220,491	200,646,355	201,379,812	196,864,649	162,608,334	136,048,516	131,900,223	107,073,458
Average per farm ..... dollars	134,807	94,245	90,880	102,970	84,459	65,165	58,858	47,424
Crops, including nursery and greenhouse crops $1,000	143,657,928	95,151,954	100,668,794	98,055,656	75,228,256	58,931,085	62,256,087	48,203,200
Livestock, poultry, and their products $1,000	153,562,563	105,494,401	100,711,018	98,808,993	87,380,078	77,117,431	69,644,136	58,870,258
Farms by value of sales [2]:								
Less than $2,500	900,327	826,558	693,026	496,514	422,767	490,296	536,327	460,535
$2,500 to $4,999	200,302	213,326	265,667	228,477	231,867	262,918	278,208	300,699
$5,000 to $9,999	218,531	223,168	267,575	237,975	251,883	274,972	281,802	314,088
$10,000 to $24,999	248,285	256,157	293,639	274,040	301,804	326,166	340,254	394,876
$25,000 to $49,999	154,732	157,906	179,629	170,705	195,354	219,636	248,828	300,515
$50,000 to $99,999	125,456	140,479	163,510	158,160	187,760	218,050	251,501	263,092
$100,000 to $499,999	240,873	240,746	282,422	277,194	286,951	263,698	274,580	203,695
$500,000 or more	116,286	70,642	70,408	68,794	46,914	32,023	27,800	17,973
Farms by type of organization:								
Family or individual	1,906,335	1,909,598	1,922,590	1,643,424	1,653,491	1,809,324	1,945,639	1,965,860
Partnership	174,247	129,593	185,607	169,462	186,806	199,559	223,274	232,538
Corporation	96,074	73,752	90,432	84,002	72,567	66,969	59,792	50,231
Other-cooperative, estate or trust, institutional, etc	28,136	16,039	17,247	14,971	12,436	11,907	12,271	9,146
Principal operator by days of work off farm [3]:								
None	777,747	962,200	832,585	755,254	801,881	844,476	861,798	942,803
Any	1,427,045	1,166,782	1,254,537	1,042,158	992,773	1,115,560	1,187,374	1,203,286
200 days or more	876,301	832,348	870,945	709,279	665,570	737,206	774,844	770,045
Principal operator by primary occupation:								
Farming	993,881	1,224,246	1,044,388	961,560	1,053,150	1,138,179	1,234,787	1,269,305
Other	1,210,911	904,736	1,171,488	950,299	872,150	949,580	1,006,189	988,470
Average age of principal operator ..... years	57.1	55.3	54.0	54.3	53.3	52.0	50.5	50.3
Total farm production expenses [1] $1,000	241,113,666	173,199,216	157,752,357	150,590,993	130,779,261	108,138,053	(NA)	(NA)
Selected farm production expenses [1]:								
Livestock and poultry purchased or leased (see text) $1,000	38,003,682	27,420,965	22,213,229	21,614,559	23,043,431	19,344,645	17,174,334	16,039,244
Feed purchased $1,000	49,095,106	31,694,850	34,749,048	32,759,966	24,084,507	19,163,364	18,591,984	15,785,995
Fertilizer, lime, and soil conditioners [4 5] $1,000	18,107,194	9,751,460	9,999,752	9,597,128	8,204,324	6,684,944	7,689,365	6,330,581
Gasoline, fuels, and oils $1,000	12,912,179	6,675,419	6,715,936	6,371,515	6,120,452	5,277,227	7,888,052	4,691,425
Hired farm labor $1,000	21,877,661	18,568,446	15,457,896	14,841,036	12,961,639	10,866,236	8,441,180	6,814,428
Interest expense [6] $1,000	10,880,731	9,571,577	9,392,431	8,928,107	8,111,337	8,158,268	11,668,942	(NA)
Chemicals [4] $1,000	10,074,914	7,608,921	7,934,936	7,581,424	6,133,705	4,690,243	4,282,213	2,889,503
Livestock and poultry:								
Cattle and calves inventory ..... farms	963,669	1,018,359	1,188,659	1,046,863	1,074,349	1,176,346	1,354,992	1,346,106
number	96,347,858	95,497,994	99,907,017	98,989,244	96,135,825	95,847,299	104,475,827	103,865,109
Beef cows ..... farms	764,984	796,436	899,756	804,595	803,241	841,778	957,698	954,360
number	32,834,801	33,398,271	34,193,965	34,066,615	32,545,976	31,652,593	34,202,607	34,326,274
Milk cows ..... farms	69,890	91,989	125,041	116,874	155,339	202,068	277,762	312,095
number	9,266,574	9,103,959	9,139,812	9,095,439	9,491,818	10,084,697	10,849,890	10,221,692
Cattle and calves sold ..... farms	798,290	851,971	1,121,003	1,011,809	1,034,189	1,150,523	1,278,609	1,320,163
number	74,071,936	73,509,165	75,005,184	74,089,046	70,562,908	72,603,841	71,216,727	78,020,351
Hogs and pigs inventory ..... farms	75,442	78,895	124,889	109,754	191,347	243,398	329,833	445,117
number	67,786,318	60,405,103	61,188,149	61,206,236	57,563,118	52,271,120	55,366,205	57,697,318
Hogs and pigs sold ..... farms	74,789	82,028	112,377	102,106	188,167	238,819	315,095	423,578
number	206,807,181	184,997,686	142,956,569	142,611,882	111,326,807	96,569,359	94,783,598	90,757,143
Layers inventory (see text) ..... farms	145,615	98,315	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number	349,772,508	334,435,155	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Broilers and other meat-type chickens sold ..... farms	27,091	32,006	27,737	23,937	23,949	27,645	30,100	31,743
number	8,914,828,122	8,500,313,357	7,366,526,456	6,741,927,110	5,428,589,485	4,361,975,630	3,516,622,889	3,062,154,490

See footnote(s) at end of table.

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Table 1. **Historical Highlights: 2007 and Earlier Census Years** - Con.

[For meaning of abbreviations and symbols, see introductory text]

All farms	2007	2002	1997	Not adjusted for coverage				
				1997	1992	1987	1982	1978
Selected crops harvested:								
Corn for grain ....farms	347,760	348,590	450,520	430,711	503,935	627,602	715,171	810,577
acres	86,248,542	68,230,523	71,088,454	69,796,716	69,339,869	58,701,505	69,857,993	70,043,480
bushels	12,738,519,330	8,613,061,814	8,732,478,098	8,578,634,770	8,697,362,804	6,725,001,837	7,508,721,493	6,805,185,861
Corn for silage or greenchop ....farms	84,317	103,621	123,325	119,308	(NA)	(NA)	(NA)	(NA)
acres	5,979,661	6,683,995	5,771,666	5,727,594	(NA)	(NA)	(NA)	(NA)
tons	104,224,795	97,132,738	89,219,954	88,380,934	(NA)	(NA)	(NA)	(NA)
Wheat for grain, all ....farms	160,810	169,528	252,922	243,568	292,464	352,237	446,075	378,574
acres	50,932,969	45,519,976	62,084,743	58,836,344	59,089,470	53,224,174	70,910,293	54,155,168
bushels	1,993,648,378	1,577,005,140	2,329,807,815	2,204,026,684	2,206,729,476	1,887,103,964	2,373,246,659	1,607,540,430
Winter wheat for grain ....farms	136,103	141,062	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres	35,785,969	29,303,293	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
bushels	1,444,540,438	1,104,334,391	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Durum wheat for grain ....farms	3,723	5,325	7,070	6,887	(NA)	(NA)	(NA)	(NA)
acres	2,138,734	2,717,841	3,202,949	3,099,732	(NA)	(NA)	(NA)	(NA)
bushels	73,201,303	81,170,077	88,251,199	85,802,466	(NA)	(NA)	(NA)	(NA)
Spring wheat for grain ....farms	28,733	30,333	47,193	46,268	(NA)	(NA)	(NA)	(NA)
acres	13,008,266	13,498,842	18,024,687	17,488,113	(NA)	(NA)	(NA)	(NA)
bushels	475,906,637	391,500,672	537,892,213	519,176,940	(NA)	(NA)	(NA)	(NA)
Oats for grain ....farms	42,558	63,763	94,811	89,606	(NA)	(NA)	(NA)	(NA)
acres	1,509,149	1,996,916	2,739,810	2,680,958	(NA)	(NA)	(NA)	(NA)
bushels	89,508,669	109,840,449	154,654,269	151,327,329	(NA)	(NA)	(NA)	(NA)
Barley for grain ....farms	19,848	24,747	43,269	41,930	(NA)	(NA)	(NA)	(NA)
acres	3,521,957	4,015,654	6,108,682	5,944,951	(NA)	(NA)	(NA)	(NA)
bushels	207,089,232	214,800,035	346,413,080	336,435,009	(NA)	(NA)	(NA)	(NA)
Sorghum for grain ....farms	26,242	33,172	50,860	49,397	(NA)	(NA)	(NA)	(NA)
acres	6,769,834	6,755,326	8,647,643	8,470,353	(NA)	(NA)	(NA)	(NA)
bushels	482,452,865	333,485,523	569,984,239	559,070,136	(NA)	(NA)	(NA)	(NA)
Sorghum for silage or greenchop ....farms	5,625	7,042	7,962	7,918	(NA)	(NA)	(NA)	(NA)
acres	450,041	406,031	384,320	382,024	(NA)	(NA)	(NA)	(NA)
tons	5,763,450	3,904,834	4,669,985	4,640,291	(NA)	(NA)	(NA)	(NA)
Soybeans for beans ....farms	279,110	317,611	367,300	354,692	381,000	441,899	511,229	537,037
acres	63,915,821	72,399,844	67,773,274	66,147,726	56,351,304	55,291,205	64,832,842	61,339,849
bushels	2,582,423,697	2,707,719,216	2,560,330,804	2,504,307,294	2,053,163,265	1,838,053,979	1,989,993,158	1,722,154,229
Dry edible beans, excluding limas ....farms	6,236	8,647	11,348	10,911	(NA)	(NA)	(NA)	(NA)
acres	1,455,549	1,691,775	1,731,898	1,691,899	(NA)	(NA)	(NA)	(NA)
cwt	25,353,900	29,687,475	27,888,555	27,223,851	(NA)	(NA)	(NA)	(NA)
Cotton, all ....farms	18,605	24,805	33,640	31,493	34,812	43,046	38,266	52,628
acres	10,493,238	12,456,162	13,897,404	13,235,236	10,961,720	9,826,081	9,781,404	12,693,772
bales	18,898,128	17,145,345	18,706,703	17,878,743	15,370,310	13,280,143	11,375,524	10,686,447
Tobacco ....farms	16,234	56,977	93,530	89,706	124,270	136,682	179,141	188,649
acres	359,846	428,631	837,363	838,530	831,231	633,310	931,655	963,224
pounds	778,301,825	873,350,412	1,744,192,909	1,747,702,321	1,697,831,562	1,215,221,360	1,871,309,459	1,918,189,782
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ....farms	869,534	884,831	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres	61,455,483	64,041,337	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
tons, dry	155,393,762	154,976,932	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ....farms	6,084	8,046	9,627	9,291	(NA)	(NA)	(NA)	(NA)
acres	2,758,792	3,197,641	3,161,576	3,122,120	(NA)	(NA)	(NA)	(NA)
cwt	198,538,690	210,358,014	184,412,536	182,231,457	(NA)	(NA)	(NA)	(NA)
Sunflower seed, all ....farms	6,403	7,506	11,176	11,067	(NA)	(NA)	(NA)	(NA)
acres	2,000,153	1,833,435	(D)	2,534,708	(NA)	(NA)	(NA)	(NA)
pounds	2,820,962,445	2,042,510,240	(D)	3,198,790,249	(NA)	(NA)	(NA)	(NA)
Sugarbeets for sugar ....farms	4,022	5,027	7,057	7,102	(NA)	(NA)	(NA)	(NA)
acres	1,253,817	1,365,769	1,449,819	1,453,824	(NA)	(NA)	(NA)	(NA)
tons	31,937,325	27,793,126	29,740,760	29,775,479	(NA)	(NA)	(NA)	(NA)
Sugarcane for sugar ....farms	692	953	1,079	973	(NA)	(NA)	(NA)	(NA)
acres	846,666	978,393	890,193	875,180	(NA)	(NA)	(NA)	(NA)
tons	31,127,405	35,319,767	31,986,258	31,549,377	(NA)	(NA)	(NA)	(NA)
Pineapples harvested ....farms	42	34	28	28	(NA)	(NA)	(NA)	(NA)
acres	(D)	10,211	(D)	(D)	(NA)	(NA)	(NA)	(NA)
tons	(D)	314,626	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Peanuts for nuts ....farms	6,182	8,640	12,788	12,221	(NA)	(NA)	(NA)	(NA)
acres	1,200,564	1,223,093	1,377,097	1,352,155	(NA)	(NA)	(NA)	(NA)
pounds	3,703,138,887	3,137,586,781	3,434,648,039	3,377,142,874	(NA)	(NA)	(NA)	(NA)
Vegetables harvested for sale (see text) [7] ....farms	69,172	54,391	60,631	53,727	61,969	60,819	69,109	73,183
acres	4,682,588	3,698,744	3,906,983	3,773,219	3,782,358	3,467,563	3,330,637	3,534,142
Potatoes ....farms	15,014	9,408	11,649	10,523	(NA)	(NA)	(NA)	(NA)
acres	1,131,963	1,266,087	1,372,458	1,355,241	(NA)	(NA)	(NA)	(NA)
Sweet potatoes ....farms	1,910	2,366	1,976	1,770	(NA)	(NA)	(NA)	(NA)
acres	105,284	92,310	80,953	77,384	(NA)	(NA)	(NA)	(NA)
Land in orchards ....farms	115,935	113,649	123,420	106,069	116,207	120,434	123,663	121,852
acres	5,039,476	5,330,439	5,349,292	5,158,064	4,770,778	4,560,163	4,750,667	4,463,627

[1] Data for 2002 and prior years are based on a sample of farms.
[2] Data for 1982 and 1978 exclude abnormal farms.
[3] Data for 1997 and prior years do not include imputation for item nonresponse.
[4] Data for 1982 and 1978 do not include cost of custom applications; data for chemicals include the cost of lime for 1978.
[5] Data for 1997 and prior years exclude cost of lime and manure.
[6] 1982 data do not include imputation for item nonresponse.
[7] Data for 2002 and prior years do not include potatoes, sweet potatoes, or ginseng.

Table 2. **Market Value of Agricultural Products Sold Including Landlord's Share and Direct Sales: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007	Percent of total in 2007	2002
Total sales (see text) ..... farms	2,204,792	100.0	2,128,982
$1,000	297,220,491	100.0	200,646,355
Average per farm .....dollars	134,807	(X)	94,245
By value of sales:			
Less than $1,000 (see text) ..... farms	688,833	31.2	570,919
$1,000	84,357	(Z)	63,223
$1,000 to $2,499 ..... farms	211,494	9.6	255,639
$1,000	350,588	0.1	422,136
$2,500 to $4,999 ..... farms	200,302	9.1	213,326
$1,000	718,027	0.2	762,554
$5,000 to $9,999 ..... farms	218,531	9.9	223,168
$1,000	1,552,543	0.5	1,577,184
$10,000 to $19,999 ..... farms	190,402	8.6	197,967
$1,000	2,682,120	0.9	2,781,507
$20,000 to $24,999 ..... farms	57,883	2.6	58,190
$1,000	1,277,703	0.4	1,285,921
$25,000 to $39,999 ..... farms	107,046	4.9	109,310
$1,000	3,367,661	1.1	3,438,976
$40,000 to $49,999 ..... farms	47,686	2.2	48,596
$1,000	2,112,835	0.7	2,154,772
$50,000 to $99,999 ..... farms	125,456	5.7	140,479
$1,000	8,961,255	3.0	10,024,295
$100,000 to $249,999 ..... farms	147,500	6.7	159,052
$1,000	24,212,940	8.1	25,401,608
$250,000 to $499,999 ..... farms	93,373	4.2	81,694
$1,000	33,409,883	11.2	28,530,105
$500,000 to $999,999 ..... farms	60,777	2.8	41,969
$1,000	42,690,783	14.4	28,944,401
$1,000,000 or more ..... farms	55,509	2.5	28,673
$1,000	175,799,795	59.1	95,259,672
$1,000,000 to $2,499,999 ..... farms	40,390	1.8	20,724
$1,000	60,549,290	20.4	30,618,426
$2,500,000 to $4,999,999 ..... farms	9,578	0.4	4,611
$1,000	32,299,503	10.9	15,700,332
$5,000,000 or more ..... farms	5,541	0.3	3,338
$1,000	82,951,002	27.9	48,940,914
Value of sales by commodity or commodity group:			
Crops, including nursery and greenhouse ..... farms	986,080	44.7	944,656
$1,000	143,657,928	48.3	95,151,954
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	21.7	485,124
$1,000	77,215,262	26.0	39,957,698
Corn ..... farms	347,540	15.8	(NA)
$1,000	39,909,600	13.4	(NA)
Wheat ..... farms	159,527	7.2	(NA)
$1,000	10,623,640	3.6	(NA)
Soybeans ..... farms	285,089	12.9	(NA)
$1,000	20,283,986	6.8	(NA)
Sorghum ..... farms	27,142	1.2	(NA)
$1,000	1,651,798	0.6	(NA)
Barley ..... farms	18,326	0.8	(NA)
$1,000	701,047	0.2	(NA)
Rice ..... farms	6,085	0.3	(NA)
$1,000	2,020,231	0.7	(NA)
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	2.5	(NA)
$1,000	2,024,959	0.7	(NA)
Tobacco ..... farms	16,228	0.7	56,879
$1,000	1,268,114	0.4	1,616,533
Cotton and cottonseed ..... farms	18,591	0.8	24,721
$1,000	4,898,608	1.6	4,005,366
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	3.1	59,044
$1,000	14,683,058	4.9	12,785,898

Item	2007	Percent of total in 2007	2002
Total sales (see text) - Con.			
Value of sales by commodity or commodity group - Con.			
Crops, including nursery and greenhouse - Con.			
Fruits, tree nuts, and berries ..... farms	112,690	5.1	107,707
$1,000	18,625,459	6.3	13,770,603
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	2.3	56,070
$1,000	16,632,734	5.6	14,686,390
Cut Christmas trees and short rotation woody crops ..... farms	13,374	0.6	14,744
$1,000	384,594	0.1	399,848
Other crops and hay (see text) ..... farms	434,502	19.7	359,262
$1,000	9,950,098	3.3	7,929,618
Livestock, poultry, and their products ..... farms	1,080,312	49.0	1,094,608
$1,000	153,562,563	51.7	105,494,401
Poultry and eggs ..... farms	148,911	6.8	83,381
$1,000	37,065,947	12.5	23,972,333
Cattle and calves ..... farms	798,290	36.2	851,971
$1,000	61,209,970	20.6	45,115,184
Milk and other dairy products from cows ..... farms	69,763	3.2	78,963
$1,000	31,848,029	10.7	20,281,166
Hogs and pigs ..... farms	74,789	3.4	82,028
$1,000	18,056,981	6.1	12,400,977
Sheep, goats, and their products .. farms	121,171	5.5	96,249
$1,000	704,855	0.2	541,745
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	5.2	128,045
$1,000	2,061,862	0.7	1,328,733
Aquaculture (see text) ..... farms	6,409	0.3	6,653
$1,000	1,415,271	0.5	1,132,524
Other animals and other animal products (see text) ..... farms	43,226	2.0	29,391
$1,000	1,199,649	0.4	721,738
Value of landlord's share of total sales (see text) ..... farms	97,706	4.4	132,567
$1,000	6,429,386	2.2	4,567,940
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms	136,817	6.2	116,733
$1,000	1,211,270	0.4	812,204
Average per farm ..... dollars	8,853	(X)	6,958
By value of sales:			
$1 to $499 ..... farms	35,440	1.6	32,420
$1,000	7,217	(Z)	6,645
$500 to $999 ..... farms	20,547	0.9	19,145
$1,000	14,013	(Z)	13,124
$1,000 to $4,999 ..... farms	49,957	2.3	42,660
$1,000	113,960	(Z)	93,611
$5,000 to $9,999 ..... farms	13,060	0.6	9,598
$1,000	88,174	(Z)	64,517
$10,000 to $24,999 ..... farms	10,032	0.5	7,256
$1,000	151,063	0.1	108,766
$25,000 to $49,999 ..... farms	3,903	0.2	2,831
$1,000	133,328	(Z)	96,322
$50,000 or more ..... farms	3,878	0.2	2,823
$1,000	703,515	0.2	429,220

Table 3. **Economic Class of Farms by Market Value of Agricultural Products Sold and Government Payments: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007			2002		
	Market value of agricultural products sold and government payments	Market value of agricultural products sold	Government payments	Market value of agricultural products sold and government payments	Market value of agricultural products sold	Government payments
Total ..... farms	2,204,792	2,204,792	838,391	2,128,982	2,128,982	707,596
$1,000	305,204,413	297,220,491	7,983,922	207,192,033	200,646,355	6,545,678
Average per farm ..... dollars	138,428	134,807	9,523	97,320	94,245	9,251
By economic class (see text):						
Less than $1,000 (see text) ..... farms	499,880	499,880	42,392	430,953	430,953	32,113
$1,000	96,287	76,839	19,447	72,256	57,982	14,274
$1,000 to $2,499 ..... farms	270,712	270,712	84,577	307,368	307,368	78,955
$1,000	448,240	332,461	115,779	508,032	406,419	101,613
$2,500 to $4,999 ..... farms	246,309	246,309	79,547	243,026	243,026	63,640
$1,000	883,995	684,721	199,274	869,724	730,080	139,644
$5,000 to $9,999 ..... farms	254,834	254,834	86,525	246,624	246,624	74,071
$1,000	1,810,538	1,487,807	322,731	1,746,161	1,516,014	230,147
$10,000 to $24,999 ..... farms	274,274	274,274	110,475	272,333	272,333	99,095
$1,000	4,363,801	3,809,812	553,989	4,320,060	3,898,412	421,647
$25,000 to $49,999 ..... farms	163,500	163,500	85,763	163,521	163,521	77,352
$1,000	5,794,771	5,286,277	508,494	5,804,256	5,351,075	453,181
$50,000 to $99,999 ..... farms	129,124	129,124	83,208	142,532	142,532	80,572
$1,000	9,219,416	8,644,217	575,199	10,201,815	9,565,866	635,949
$100,000 to $249,999 ..... farms	149,049	149,049	109,858	162,831	162,831	105,162
$1,000	24,400,981	23,255,874	1,145,107	26,118,804	24,669,460	1,449,344
$250,000 to $499,999 ..... farms	96,251	96,251	74,977	85,909	85,909	55,887
$1,000	34,366,766	32,979,970	1,386,796	30,084,128	28,737,798	1,346,330
$500,000 to $999,999 ..... farms	63,567	63,567	46,387	44,348	44,348	26,437
$1,000	44,578,145	43,155,934	1,422,210	30,597,894	29,645,206	952,687
$1,000,000 or more ..... farms	57,292	57,292	34,682	29,537	29,537	14,312
$1,000	179,241,475	177,506,579	1,734,896	96,868,904	96,068,044	800,861
$1,000,000 to $2,499,999 ..... farms	41,863	41,863	26,894	21,460	21,460	11,131
$1,000	62,751,056	61,508,308	1,242,748	31,701,358	31,119,399	581,958
$2,500,000 to $4,999,999 ..... farms	9,845	9,845	5,606	4,719	4,719	2,093
$1,000	33,190,470	32,838,901	351,569	16,055,540	15,910,405	145,135
$5,000,000 or more ..... farms	5,584	5,584	2,182	3,358	3,358	1,088
$1,000	83,299,949	83,159,370	140,579	49,112,006	49,038,239	73,767

Table 4. **Farm Production Expenses: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002 [1]	
	Farms	Expenses ($1,000)	Farms	Expenses ($1,000)
Total farm production expenses ..... farms	2,204,792	(X)	2,128,739	(X)
$1,000	(X)	241,113,666	(X)	173,199,216
Average per farm ..... dollars	(X)	109,359	(X)	81,362
Farms with expenses of-				
$1 to $4,999	644,719	1,655,720	684,419	1,695,592
$5,000 to $9,999	403,952	2,916,158	382,830	2,759,610
$10,000 to $24,999	459,374	7,302,343	414,513	6,575,093
$25,000 to $49,999	224,454	7,889,886	207,376	7,318,953
$50,000 to $99,999	153,001	10,838,004	158,459	11,290,294
$100,000 to $249,999	152,309	24,360,578	157,390	24,876,960
$250,000 to $499,999	80,173	28,206,925	68,886	23,918,374
$500,000 or more	86,810	157,944,051	54,866	94,764,340
$500,000 to $999,999	48,097	33,642,494	33,455	22,936,146
$1,000,000 to $2,499,999	28,358	42,316,707	15,467	22,853,457
$2,500,000 or more	10,355	81,984,849	5,944	48,974,736
Fertilizer, lime, and soil conditioners purchased ..... farms	1,148,218	(X)	1,189,850	(X)
$1,000	(X)	18,107,194	(X)	9,751,460
percent of total	(X)	7.5	(X)	5.6
Farms with expenses of-				
$1 to $499	226,075	51,543	297,129	69,615
$500 to $999	146,916	100,835	176,830	121,878
$1,000 to $4,999	361,940	845,892	375,137	869,786
$5,000 to $9,999	120,976	834,074	123,464	851,112
$10,000 to $24,999	128,570	2,010,462	122,943	1,908,074
$25,000 to $49,999	74,633	2,606,599	57,486	1,963,547
$50,000 to $99,999	51,569	3,539,258	26,158	1,748,718
$100,000 or more	37,539	8,118,531	10,703	2,218,728
Chemicals purchased ..... farms	918,604	(X)	947,279	(X)
$1,000	(X)	10,074,914	(X)	7,608,921
percent of total	(X)	4.2	(X)	4.4
Farms with expenses of-				
$1 to $499	363,791	68,141	389,490	69,595
$500 to $999	101,325	66,773	105,801	71,044
$1,000 to $4,999	200,968	469,643	216,565	510,715
$5,000 to $9,999	74,975	516,869	80,770	560,551
$10,000 to $24,999	87,810	1,371,239	87,705	1,357,507
$25,000 to $49,999	46,594	1,597,703	38,385	1,303,594
$50,000 or more	43,141	5,984,544	28,563	3,735,916
$50,000 to $99,999	25,974	1,754,115	18,221	1,221,758
$100,000 or more	17,167	4,230,429	10,342	2,514,158
Seeds, plants, vines, and trees ..... farms	775,893	(X)	874,634	(X)
$1,000	(X)	11,740,521	(X)	7,598,706
percent of total	(X)	4.9	(X)	4.4
Farms with expenses of-				
$1 to $499	214,856	44,031	292,770	57,661
$500 to $999	87,308	59,180	105,454	71,931
$1,000 to $4,999	192,154	460,175	229,549	546,116
$5,000 to $9,999	78,764	551,183	86,922	606,811
$10,000 to $24,999	94,698	1,496,210	93,704	1,465,651
$25,000 or more	108,113	9,129,742	66,235	4,850,535
$25,000 to $49,999	56,320	1,959,350	41,571	1,418,259
$50,000 or more	51,793	7,170,392	24,664	3,432,277
Livestock and poultry purchased or leased (see text) ..... farms	490,819	(X)	553,714	(X)
$1,000	(X)	38,003,682	(X)	27,420,965
percent of total	(X)	15.8	(X)	15.8
Farms with expenses of-				
$1 to $999	124,612	50,125	188,952	80,084
$1,000 to $4,999	181,802	415,611	201,697	451,427
$5,000 to $9,999	53,636	364,796	46,910	319,483
$10,000 to $24,999	43,805	666,559	40,216	624,519
$25,000 to $49,999	22,469	787,765	24,908	893,573
$50,000 to $99,999	20,299	1,432,045	20,905	1,472,883
$100,000 to $249,999	24,183	3,794,351	17,402	2,677,616
$250,000 or more	20,013	30,492,430	12,724	20,901,380
$250,000 to $499,999	10,282	3,558,871	6,683	2,318,534
$500,000 to $999,999	5,407	3,691,579	3,200	2,182,095
$1,000,000 or more	4,324	23,241,980	2,841	16,400,751
Breeding livestock purchased or leased (see text) [2] ..... farms	278,572	(X)	316,013	(X)
$1,000	(X)	3,599,873	(X)	2,037,136
percent of total	(X)	1.5	(X)	1.2
Farms with expenses of-				
$1 to $999	62,767	28,757	114,452	53,951
$1,000 to $4,999	129,211	291,766	142,588	314,166
$5,000 to $9,999	36,423	245,581	30,410	203,473
$10,000 to $24,999	29,163	435,262	17,995	267,365
$25,000 to $49,999	10,672	361,181	5,751	194,919
$50,000 to $99,999	5,544	372,762	2,465	165,736
$100,000 to $249,999	3,287	479,333	1,469	218,908
$250,000 or more	1,505	1,385,231	883	618,619
$250,000 to $499,999	831	276,556	492	166,219
$500,000 to $999,999	359	239,095	233	151,388
$1,000,000 or more	315	869,580	158	301,013
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	(X)	309,818	(X)
$1,000	(X)	34,403,809	(X)	25,383,829
percent of total	(X)	14.3	(X)	14.7
Farms with expenses of-				
$1 to $999	95,601	33,118	116,571	40,170
$1,000 to $4,999	77,406	173,027	82,119	184,126
$5,000 to $9,999	20,942	141,412	20,055	138,968

See footnote(s) at end of table.

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Table 4. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002 [1]	
	Farms	Expenses ($1,000)	Farms	Expenses ($1,000)
Total farm production expenses - Con.				
Livestock and poultry purchased or leased (see text) - Con.				
Other livestock and poultry purchased or leased (see text) - Con.				
Farms with expenses of- Con.				
$10,000 to $24,999	17,664	273,161	24,612	391,826
$25,000 to $49,999	12,964	464,151	19,937	721,327
$50,000 to $99,999	15,121	1,078,629	18,914	1,337,038
$100,000 to $249,999	21,069	3,330,769	15,896	2,453,862
$250,000 or more	18,388	28,909,542	11,714	20,116,512
$250,000 to $499,999	9,406	3,261,322	6,125	2,129,914
$500,000 to $999,999	5,014	3,426,206	2,931	2,000,961
$1,000,000 or more	3,968	22,222,014	2,658	15,985,638
Feed purchased ... farms	1,135,968	(X)	1,240,747	(X)
$1,000	(X)	49,095,106	(X)	31,694,850
percent of total	(X)	20.4	(X)	18.3
Farms with expenses of-				
$1 to $999	276,754	134,022	448,091	199,950
$1,000 to $4,999	489,852	1,179,110	488,407	1,095,253
$5,000 to $9,999	145,865	980,402	109,803	742,164
$10,000 to $24,999	99,463	1,488,804	77,875	1,190,667
$25,000 to $49,999	39,387	1,359,442	39,460	1,375,142
$50,000 to $99,999	27,007	1,873,688	28,319	1,975,166
$100,000 or more	57,640	42,079,638	48,792	25,116,509
$100,000 to $249,999	23,472	3,688,690	24,780	4,028,202
$250,000 to $499,999	13,792	4,902,567	13,815	4,830,520
$500,000 to $999,999	11,774	8,180,867	6,422	4,349,224
$1,000,000 or more	8,602	25,307,514	3,775	11,908,562
Gasoline, fuels, and oils ... farms	2,148,806	(X)	2,024,139	(X)
$1,000	(X)	12,912,179	(X)	6,675,419
percent of total	(X)	5.4	(X)	3.9
Farms with expenses of-				
$1 to $999	1,060,249	389,630	1,195,911	380,309
$1,000 to $4,999	644,296	1,454,385	542,768	1,213,911
$5,000 to $9,999	176,711	1,210,387	139,637	958,887
$10,000 to $24,999	159,613	2,444,200	102,392	1,530,199
$25,000 to $49,999	64,765	2,200,834	29,049	975,011
$50,000 or more	43,172	5,212,742	14,382	1,617,102
Utilities (see text) ... farms	1,102,530	(X)	1,241,247	(X)
$1,000	(X)	5,917,615	(X)	4,874,139
percent of total	(X)	2.5	(X)	2.8
Farms with expenses of-				
$1 to $499	319,496	77,651	444,892	98,319
$500 to $999	187,064	125,516	211,603	143,465
$1,000 to $4,999	402,839	897,172	417,203	928,562
$5,000 to $9,999	94,098	636,868	86,235	584,234
$10,000 to $24,999	63,720	946,076	53,020	793,635
$25,000 or more	35,313	3,234,332	28,294	2,325,925
$25,000 to $49,999	19,269	654,485	15,968	544,468
$50,000 or more	16,044	2,579,847	12,326	1,781,457
Supplies, repairs, and maintenance ... farms	1,992,234	(X)	1,898,607	(X)
$1,000	(X)	15,896,723	(X)	13,386,560
percent of total	(X)	6.6	(X)	7.7
Farms with expenses of-				
$1 to $999	781,234	311,565	784,459	293,725
$1,000 to $4,999	697,083	1,593,073	634,389	1,451,860
$5,000 to $9,999	203,187	1,386,239	201,307	1,381,697
$10,000 to $24,999	186,784	2,850,769	174,254	2,656,967
$25,000 to $49,999	73,014	2,483,098	63,484	2,152,181
$50,000 or more	50,932	7,271,980	40,714	5,450,130
$50,000 to $99,999	32,460	2,175,746	26,450	1,782,166
$100,000 or more	18,472	5,096,233	14,264	3,667,964
Hired farm labor ... farms	482,186	(X)	554,434	(X)
$1,000	(X)	21,877,661	(X)	18,568,446
percent of total	(X)	9.1	(X)	10.7
Farms with expenses of-				
$1 to $999	133,450	55,806	182,063	71,127
$1,000 to $4,999	128,812	296,222	143,203	328,494
$5,000 to $9,999	45,178	310,084	52,284	361,128
$10,000 to $24,999	62,944	1,010,191	71,326	1,147,709
$25,000 to $49,999	44,532	1,552,151	44,660	1,555,272
$50,000 to $99,999	31,406	2,153,566	29,688	2,043,437
$100,000 or more	35,864	16,499,641	31,210	13,061,278
$100,000 to $249,999	21,237	3,209,259	18,999	2,860,137
$250,000 to $499,999	7,674	2,633,567	6,657	2,288,242
$500,000 or more	6,953	10,656,815	5,554	7,912,900
Contract labor ... farms	182,701	(X)	228,692	(X)
$1,000	(X)	4,514,166	(X)	3,451,190
percent of total	(X)	1.9	(X)	2.0
Farms with expenses of-				
$1 to $999	49,657	23,261	80,399	35,708
$1,000 to $4,999	66,104	154,932	83,102	190,041
$5,000 to $9,999	23,128	156,699	25,238	170,315
$10,000 to $24,999	22,821	347,567	22,077	334,127
$25,000 to $49,999	9,730	334,449	8,266	281,294
$50,000 or more	11,261	3,497,258	9,610	2,439,704
$50,000 to $99,999	5,425	370,081	4,585	315,770
$100,000 or more	5,836	3,127,178	5,025	2,123,935

See footnote(s) at end of table.

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Table 4. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002 [1]	
	Farms	Expenses ($1,000)	Farms	Expenses ($1,000)
Total farm production expenses - Con.				
Customwork and custom hauling ..... farms	362,475	(X)	449,633	(X)
$1,000	(X)	4,091,038	(X)	3,313,737
percent of total	(X)	1.7	(X)	1.9
Farms with expenses of-				
$1 to $999	119,768	49,523	190,127	71,542
$1,000 to $4,999	131,318	314,608	156,518	363,795
$5,000 to $9,999	45,341	312,477	46,660	321,328
$10,000 to $24,999	38,421	584,326	34,817	526,321
$25,000 to $49,999	14,558	496,996	11,716	398,978
$50,000 or more	13,069	2,333,107	9,795	1,631,774
$50,000 to $99,999	7,169	487,740	5,692	384,360
$100,000 or more	5,900	1,845,367	4,103	1,247,413
Cash rent for land, buildings, and grazing fees ..... farms	490,372	(X)	497,885	(X)
$1,000	(X)	13,274,530	(X)	9,045,945
percent of total	(X)	5.5	(X)	5.2
Farms with expenses of-				
$1 to $499	52,418	13,354	67,318	17,093
$500 to $999	46,034	31,444	54,946	37,488
$1,000 to $4,999	139,911	338,874	151,638	362,253
$5,000 to $9,999	59,281	418,157	60,431	425,011
$10,000 to $24,999	76,679	1,226,320	74,884	1,193,684
$25,000 to $49,999	49,210	1,735,259	43,457	1,521,093
$50,000 or more	66,839	9,511,123	45,211	5,489,325
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	(X)	150,761	(X)
$1,000	(X)	1,385,219	(X)	1,468,423
percent of total	(X)	0.6	(X)	0.8
Farms with expenses of-				
$1 to $499	26,207	5,658	38,538	8,114
$500 to $999	13,073	8,743	17,290	11,720
$1,000 to $4,999	31,997	75,965	44,201	106,687
$5,000 to $9,999	13,193	89,342	19,303	131,841
$10,000 to $24,999	13,463	205,916	19,089	288,568
$25,000 to $49,999	5,778	195,744	7,076	240,665
$50,000 or more	5,488	803,851	5,264	680,828
Interest expense ..... farms	667,454	(X)	758,437	(X)
$1,000	(X)	10,880,731	(X)	9,571,577
percent of total	(X)	4.5	(X)	5.5
Farms with expenses of-				
$1 to $999	84,911	39,987	129,879	57,386
$1,000 to $4,999	204,965	552,135	254,895	666,770
$5,000 to $9,999	131,888	933,714	144,418	1,014,700
$10,000 to $24,999	144,100	2,236,720	142,251	2,191,290
$25,000 to $49,999	60,183	2,064,139	53,348	1,823,367
$50,000 to $99,999	27,391	1,844,320	22,576	1,521,985
$100,000 or more	14,016	3,209,716	11,070	2,296,080
Secured by real estate ..... farms	519,095	(X)	575,525	(X)
$1,000	(X)	7,185,334	(X)	6,704,002
percent of total	(X)	3.0	(X)	3.9
Farms with expenses of-				
$1 to $999	58,501	27,723	76,792	36,396
$1,000 to $4,999	171,356	467,924	208,079	555,379
$5,000 to $9,999	113,086	794,547	122,715	855,997
$10,000 to $24,999	112,218	1,704,569	110,824	1,672,207
$25,000 to $49,999	39,515	1,340,416	35,634	1,209,623
$50,000 to $99,999	16,376	1,088,482	14,484	969,119
$100,000 or more	8,043	1,761,673	6,997	1,405,280
Not secured by real estate ..... farms	413,327	(X)	405,177	(X)
$1,000	(X)	3,695,397	(X)	2,867,575
percent of total	(X)	1.5	(X)	1.7
Farms with expenses of-				
$1 to $999	122,808	52,846	128,940	53,847
$1,000 to $4,999	153,159	369,094	151,545	361,171
$5,000 to $9,999	55,182	378,324	55,960	384,976
$10,000 to $24,999	51,428	784,548	46,502	702,642
$25,000 to $49,999	18,841	635,881	14,430	488,558
$50,000 to $99,999	7,830	521,807	5,332	354,203
$100,000 or more	4,079	952,898	2,468	522,179
Property taxes paid ..... farms	1,995,808	(X)	1,962,637	(X)
$1,000	(X)	6,223,048	(X)	5,350,817
percent of total	(X)	2.6	(X)	3.1
Farms with expenses of-				
$1 to $499	454,063	105,512	524,265	123,719
$500 to $999	341,399	246,963	371,098	266,649
$1,000 to $4,999	922,357	2,119,792	828,923	1,837,703
$5,000 to $9,999	172,489	1,162,779	146,887	992,595
$10,000 to $24,999	80,800	1,176,774	70,599	1,037,795
$25,000 or more	24,700	1,411,228	20,865	1,092,356
All other production expenses (see text) ..... farms	1,115,703	(X)	1,254,079	(X)
$1,000	(X)	17,119,339	(X)	13,418,059
percent of total	(X)	7.1	(X)	7.7
Farms with expenses of-				
$1 to $999	407,085	164,687	485,923	191,768
$1,000 to $4,999	358,755	829,036	418,356	954,753
$5,000 to $9,999	116,535	805,365	136,957	937,601
$10,000 to $24,999	117,977	1,838,193	122,973	1,882,393
$25,000 to $49,999	55,174	1,914,702	47,952	1,641,257
$50,000 to $99,999	32,742	2,268,098	23,972	1,619,412
$100,000 or more	27,435	9,299,259	17,946	6,190,875
$100,000 to $249,999	19,580	2,912,175	12,303	1,830,715
$250,000 or more	7,855	6,387,085	5,643	4,360,161

See footnote(s) at end of table.

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Table 4. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002 [1]	
	Farms	Expenses ($1,000)	Farms	Expenses ($1,000)
Production expenses paid by landlords [3] ..... farms	67,427	(X)	151,106	(X)
$1,000	(X)	1,556,963	(X)	1,553,363
percent of total	(X)	0.6	(X)	0.9
Farms with expenses of-				
$1 to $499	2,864	733	18,375	3,869
$500 to $999	3,185	2,323	13,476	9,647
$1,000 to $4,999	17,140	46,619	64,040	168,675
$5,000 to $9,999	11,289	80,387	18,863	133,417
$10,000 to $24,999	15,678	250,625	20,910	323,517
$25,000 or more	17,271	1,176,276	15,442	914,237
$25,000 to $49,999	9,275	324,040	9,554	325,025
$50,000 to $99,999	5,346	365,281	4,197	281,667
$100,000 or more	2,650	486,954	1,691	307,545
Depreciation expenses claimed (see text) ..... farms	963,340	(X)	853,797	(X)
$1,000	(X)	20,185,540	(X)	15,389,666
percent of total	(X)	8.4	(X)	8.9
Farms with expenses of-				
$1 to $499	66,311	16,918	74,746	17,122
$500 to $999	65,279	45,670	65,702	45,084
$1,000 to $4,999	312,807	802,036	277,499	692,028
$5,000 to $9,999	160,756	1,109,621	134,780	932,081
$10,000 to $24,999	178,505	2,781,287	156,463	2,476,370
$25,000 or more	179,682	15,430,008	144,607	11,226,981
$25,000 to $49,999	89,091	3,071,659	80,688	2,779,078
$50,000 to $99,999	51,983	3,550,709	41,143	2,796,207
$100,000 or more	38,608	8,807,639	22,776	5,651,696

[1] 2002 data are based on a sample of farms.
[2] 2002 data do not include breeding livestock leased.
[3] Landlord production expenses are included within total farm production expenses.

Table 5. **Net Cash Farm Income of Operations and Operators: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002 [1]	
	Farms	Income ($1,000)	Farms	Income ($1,000)
Net cash farm income of the operations (see text)	2,204,792	74,581,098	2,128,740	40,514,055
Average per farm ..... dollars	(X)	33,827	(X)	19,032
Farms with net gains [2]	1,037,041	92,793,203	993,861	56,331,179
Average per farm ..... dollars	(X)	89,479	(X)	56,679
Farms with gains of-				
less than $1,000	102,871	48,868	124,144	58,926
$1,000 to $4,999	221,477	597,359	241,585	641,893
$5,000 to $9,999	128,828	931,210	131,153	948,708
$10,000 to $24,999	170,636	2,784,542	167,489	2,728,301
$25,000 to $49,999	119,233	4,277,334	116,525	4,153,454
$50,000 or more	293,996	84,153,889	212,965	47,799,897
Farms with net losses	1,167,751	18,212,104	1,134,879	15,817,124
Average per farm ..... dollars	(X)	15,596	(X)	13,937
Farms with losses of-				
less than $1,000	134,307	68,177	162,801	81,238
$1,000 to $4,999	426,570	1,186,542	436,645	1,182,088
$5,000 to $9,999	247,156	1,771,484	223,990	1,593,340
$10,000 to $24,999	225,863	3,508,974	190,168	2,938,479
$25,000 to $49,999	76,927	2,642,891	66,633	2,300,598
$50,000 or more	56,928	9,034,037	54,642	7,721,380
Net cash farm income of operators (see text)	2,204,792	64,197,836	2,128,740	33,736,140
Average per farm ..... dollars	(X)	29,117	(X)	15,848
Farm operators reporting net gains [2]	1,025,783	83,150,709	996,318	50,109,938
Average per farm ..... dollars	(X)	81,061	(X)	50,295
Farms with gains of-				
less than $1,000	103,330	49,052	127,811	60,222
$1,000 to $4,999	222,713	601,028	252,947	673,249
$5,000 to $9,999	129,906	939,508	134,225	970,317
$10,000 to $24,999	173,780	2,838,890	172,526	2,809,436
$25,000 to $49,999	122,964	4,413,901	120,590	4,297,534
$50,000 or more	273,090	74,308,331	188,219	41,299,180
Farm operators reporting net losses	1,179,009	18,952,873	1,132,422	16,373,798
Average per farm ..... dollars	(X)	16,075	(X)	14,459
Farms with losses of-				
less than $1,000	135,011	68,495	161,193	80,157
$1,000 to $4,999	428,133	1,191,080	427,898	1,160,938
$5,000 to $9,999	248,731	1,783,013	223,801	1,593,370
$10,000 to $24,999	228,206	3,548,458	193,289	2,991,582
$25,000 to $49,999	78,919	2,715,135	68,724	2,377,936
$50,000 or more	60,009	9,646,693	57,517	8,169,815

[1] 2002 data are based on a sample of farms.
[2] Farms with total production expenses equal to total of market value of agricultural products sold, government payments, and farm-related income are included as farms with gains of less than $1,000.

Table 6. **Government Payments and Commodity Credit Corporation Loans: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007 Farms	2007 Value ($1,000)	2002 Farms	2002 Value ($1,000)
Government payments	838,391	7,983,922	707,596	6,545,678
Average per farm ... dollars	(X)	9,523	(X)	9,251
Farms with receipts of-				
$1 to $999	197,090	85,490	170,695	75,507
$1,000 to $4,999	314,688	794,506	257,381	632,955
$5,000 to $9,999	127,355	902,077	106,314	754,165
$10,000 to $24,999	121,735	1,910,008	107,749	1,681,992
$25,000 to $49,999	50,424	1,743,212	44,901	1,544,611
$50,000 or more	27,099	2,548,628	20,556	1,856,448
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs [1]	346,227	1,756,226	268,830	1,387,956
Average per farm ... dollars	(X)	5,072	(X)	5,163
Farms with receipts of-				
$1 to $999	84,656	41,326	61,047	29,371
$1,000 to $4,999	167,773	406,059	133,930	320,296
$5,000 to $9,999	50,454	351,228	39,278	273,879
$10,000 to $24,999	32,266	484,902	25,630	384,229
$25,000 or more	11,078	472,711	8,945	380,181

Item	2007 Farms	2007 Value ($1,000)	2002 Farms	2002 Value ($1,000)
Government payments - Con.				
Amount from other federal farm programs	687,434	6,227,696	531,316	5,157,722
Average per farm ... dollars	(X)	9,059	(X)	9,707
Farms with receipts of-				
$1 to $999	218,674	86,781	155,849	64,955
$1,000 to $4,999	226,532	564,402	161,265	399,969
$5,000 to $9,999	88,264	625,015	75,616	537,614
$10,000 to $24,999	92,270	1,453,875	84,759	1,329,830
$25,000 or more	61,694	3,497,622	53,827	2,825,355
Commodity Credit Corporation Loans (see text)	50,572	4,445,758	106,120	3,833,308
Average per farm ... dollars	(X)	87,909	(X)	36,122
Farms with receipts of-				
$1 to $999	4,246	1,541	14,704	6,377
$1,000 to $4,999	4,792	12,683	23,974	61,682
$5,000 to $9,999	3,396	25,133	13,848	98,070
$10,000 to $19,999	5,389	78,958	14,976	211,457
$20,000 to $24,999	2,312	51,091	4,965	108,637
$25,000 to $49,999	8,416	304,406	13,540	477,345
$50,000 or more	22,021	3,971,946	20,113	2,869,741

[1] 2002 data do not include Farmable Wetlands Program or Conservation Reserve Enhancement Program payments.

Table 7. **Income From Farm-Related Sources: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007 Farms	2007 Value ($1,000)	2002 Farms	2002 Value ($1,000)
Total income from farm-related sources, gross before taxes and expenses (see text)	693,187	10,489,874	621,926	5,859,226
Average per farm ... dollars	(X)	15,133	(X)	9,421
Farms with receipts of-				
$1 to $999	202,035	74,061	227,619	80,006
$1,000 to $4,999	207,733	508,874	197,319	471,843
$5,000 to $9,999	89,353	627,048	73,960	513,788
$10,000 to $24,999	97,998	1,542,249	71,413	1,101,514
$25,000 to $49,999	49,568	1,722,636	29,784	1,019,940
$50,000 or more	46,500	6,015,006	21,831	2,672,136
Customwork and other agricultural services	121,874	1,875,665	124,697	1,391,573
Average per farm ... dollars	(X)	15,390	(X)	11,160
Farms with receipts of-				
$1 to $999	25,639	11,580	30,430	13,554
$1,000 to $4,999	41,637	101,285	44,943	107,413
$5,000 to $9,999	17,782	121,410	18,140	122,889
$10,000 to $24,999	19,356	296,332	18,465	278,559
$25,000 to $49,999	9,183	313,173	7,233	243,447
$50,000 or more	8,277	1,031,886	5,486	625,712
Gross cash rent or share payments	241,923	2,883,897	183,502	1,630,485
Average per farm ... dollars	(X)	11,921	(X)	8,885
Farms with receipts of-				
$1 to $999	51,159	25,155	49,783	23,642
$1,000 to $4,999	89,738	218,877	71,990	171,377
$5,000 to $9,999	37,116	260,235	26,201	183,100
$10,000 to $24,999	37,047	579,165	22,401	345,615
$25,000 or more	26,863	1,800,464	13,127	906,751
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	47,603	594,944	45,866	465,046
Average per farm ... dollars	(X)	12,498	(X)	10,139
Farms with receipts of-				
$1 to $999	11,903	4,906	11,120	4,606
$1,000 to $4,999	14,037	34,592	14,174	35,178
$5,000 to $9,999	7,075	49,102	7,425	51,452
$10,000 to $24,999	8,224	127,544	8,414	129,443
$25,000 or more	6,364	378,800	4,733	244,368
Agri-tourism and recreational services (see text)	23,350	566,834	28,016	202,184
Average per farm ... dollars	(X)	24,276	(X)	7,217
Farms with receipts of-				
$1 to $999	5,104	2,047	8,626	3,477
$1,000 to $4,999	7,997	18,635	10,986	24,489

Item	2007 Farms	2007 Value ($1,000)	2002 Farms	2002 Value ($1,000)
Total income from farm-related sources, gross before taxes and expenses (see text) - Con.				
Agri-tourism and recreational services (see text) - Con.				
Farms with receipts of - Con.				
$5,000 to $9,999	3,118	20,614	3,492	23,066
$10,000 to $24,999	3,494	52,245	3,011	44,455
$25,000 or more	3,637	473,294	1,901	106,696
Patronage dividends and refunds from cooperatives	288,196	854,995	254,296	505,449
Average per farm ... dollars	(X)	2,967	(X)	1,988
Farms with receipts of-				
$1 to $999	185,501	50,613	181,385	44,461
$1,000 to $4,999	72,057	160,082	53,817	115,062
$5,000 to $9,999	15,409	104,201	9,930	67,275
$10,000 to $24,999	9,725	145,306	6,094	90,378
$25,000 or more	5,504	394,792	3,070	188,274
Crop and livestock insurance payments (see text)	82,001	1,676,727	(NA)	(NA)
Average per farm ... dollars	(X)	20,448	(X)	(NA)
Farms with receipts of-				
$1 to $999	11,736	5,759	(NA)	(NA)
$1,000 to $4,999	24,373	63,535	(NA)	(NA)
$5,000 to $9,999	13,066	92,220	(NA)	(NA)
$10,000 to $24,999	15,713	248,601	(NA)	(NA)
$25,000 or more	17,113	1,266,611	(NA)	(NA)
Amount from state and local government agricultural program payments (see text)	34,410	145,413	(NA)	(NA)
Average per farm ... dollars	(X)	4,226	(X)	(NA)
Farms with receipts of-				
$1 to $999	14,101	5,523	(NA)	(NA)
$1,000 to $4,999	12,829	30,417	(NA)	(NA)
$5,000 to $9,999	3,741	25,645	(NA)	(NA)
$10,000 to $24,999	2,807	42,683	(NA)	(NA)
$25,000 or more	932	41,144	(NA)	(NA)
Other farm-related income sources (see text)	118,939	1,891,400	(NA)	(NA)
Average per farm ... dollars	(X)	15,902	(X)	(NA)
Farms with receipts of-				
$1 to $999	40,970	15,559	(NA)	(NA)
$1,000 to $4,999	35,477	83,706	(NA)	(NA)
$5,000 to $9,999	12,549	86,750	(NA)	(NA)
$10,000 to $24,999	13,649	211,840	(NA)	(NA)
$25,000 or more	16,294	1,493,543	(NA)	(NA)

Table 8. **Land: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

All farms	2007 Total	2007 Percent of total	2002
LAND USE			
Farms ..... number	2,204,792	100.0	2,128,982
Land in farms ..... acres	922,095,840	100.0	938,279,056
Total cropland ..... farms	1,685,339	76.4	1,751,450
acres	406,424,909	44.1	434,164,946
Harvested cropland ..... farms	1,328,004	60.2	1,362,608
acres	309,607,601	33.6	302,697,252
Farms by acres harvested:			
1 to 49 acres	700,266	31.8	688,492
1 to 9 acres	233,119	10.6	223,038
10 to 19 acres	182,514	8.3	177,964
20 to 29 acres	126,330	5.7	126,713
30 to 49 acres	158,303	7.2	160,777
50 to 99 acres	179,055	8.1	186,980
100 to 199 acres	141,875	6.4	158,005
200 to 499 acres	143,776	6.5	163,027
500 to 999 acres	82,211	3.7	90,412
1,000 to 1,999 acres	53,728	2.4	54,281
2,000 acres or more	27,093	1.2	21,411
Cropland used only for pasture or grazing ..... farms	404,753	18.4	716,202
acres	35,771,154	3.9	60,557,805
Other cropland ..... farms	469,860	21.3	506,163
acres	61,046,154	6.6	70,909,889
Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazed ..... farms	360,225	16.3	380,300
acres	37,968,749	4.1	37,281,096
Cropland on which all crops failed or were abandoned ..... farms	89,587	4.1	119,642
acres	7,405,898	0.8	17,069,564

All farms	2007 Total	2007 Percent of total	2002
LAND USE - Con.			
Total cropland - Con.			
Other cropland - Con.			
Cropland in cultivated summer fallow ..... farms	67,960	3.1	72,335
acres	15,671,507	1.7	16,559,229
Total woodland ..... farms	843,294	38.2	818,105
acres	75,098,603	8.1	75,878,213
Woodland pastured ..... farms	370,297	16.8	379,795
acres	28,609,690	3.1	31,128,955
Woodland not pastured ..... farms	596,123	27.0	568,956
acres	46,488,913	5.0	44,749,258
Permanent pasture and rangeland, other than cropland and woodland pastured (see text) ..... farms	1,132,606	51.4	850,913
acres	408,832,116	44.3	395,278,829
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc ..... farms	1,126,272	51.1	1,165,564
acres	31,740,212	3.4	32,957,068
CONSERVATION PRACTICES AND CROP INSURANCE			
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1] ..... farms	346,231	(X)	268,748
acres	38,547,450	(X)	32,723,967
Land enrolled in crop insurance programs (see text) ..... farms	349,408	(X)	394,538
acres	222,267,817	(X)	214,806,181

[1] 2002 data do not include farms with land in Farmable Wetlands or Conservation Reserve Enhancement Programs.

Table 9. **Land in Farms, Harvested Cropland, and Irrigated Land, by Size of Farm: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

All farms	Farms		Land in farms (acres)		Harvested cropland (acres)		Irrigated land (acres)	
	2007	2002	2007	2002	2007	2002	2007	2002
Land in farms	2,204,792	2,128,982	922,095,840	938,279,056	309,607,601	302,697,252	56,599,305	55,311,236
Farms by size:								
1 to 9 acres	232,849	179,346	1,080,019	847,601	291,828	249,242	174,275	154,680
10 to 49 acres	620,283	563,772	15,918,542	14,712,409	4,296,973	4,111,751	1,015,333	1,038,782
50 to 69 acres	153,862	151,823	8,930,361	8,802,045	2,451,606	2,468,654	368,738	401,428
70 to 99 acres	192,043	190,728	15,783,304	15,672,135	4,500,846	4,649,652	590,571	629,402
100 to 139 acres	175,146	174,524	20,313,722	20,237,716	5,775,871	6,114,934	680,824	741,245
140 to 179 acres	139,479	141,630	21,954,090	22,289,695	6,590,706	7,273,320	834,371	908,127
180 to 219 acres	87,502	91,262	17,283,570	18,033,867	5,588,532	6,217,966	635,717	718,849
220 to 259 acres	68,313	71,842	16,258,454	17,092,961	5,730,418	6,455,901	681,808	754,019
260 to 499 acres	212,553	225,513	75,892,077	80,620,413	30,444,392	34,088,945	3,816,440	4,329,539
500 to 999 acres	149,713	161,552	104,140,461	112,444,149	51,556,447	56,659,861	7,842,051	8,541,152
1,000 to 1,999 acres	92,656	99,020	127,595,277	135,675,665	69,844,694	72,787,584	12,144,224	12,631,088
2,000 to 4,999 acres	57,699	56,345	170,612,215	165,220,744	81,583,763	70,886,312	16,170,391	14,028,639
5,000 acres or more	22,694	21,625	326,333,748	326,629,656	40,951,525	30,733,130	11,644,562	10,434,286
Farms with harvested cropland	1,328,004	1,362,608	661,228,034	684,475,824	309,607,601	302,697,252	54,694,090	53,427,991
Farms by size:								
1 to 9 acres	91,191	78,325	427,467	357,731	291,828	249,242	130,874	115,955
10 to 49 acres	298,858	281,732	7,941,327	7,612,363	4,296,973	4,111,751	811,772	842,819
50 to 69 acres	88,505	89,994	5,149,703	5,234,019	2,451,606	2,468,654	317,195	353,068
70 to 99 acres	117,021	120,784	9,641,664	9,946,867	4,500,846	4,649,652	515,889	557,915
100 to 139 acres	109,554	116,069	12,742,970	13,503,259	5,775,871	6,114,934	602,967	671,536
140 to 179 acres	88,133	96,693	13,870,426	15,219,985	6,590,706	7,273,320	758,257	834,124
180 to 219 acres	60,334	66,232	11,922,192	13,091,349	5,588,532	6,217,966	580,323	660,774
220 to 259 acres	48,977	54,344	11,656,364	12,927,366	5,730,418	6,455,901	637,599	711,201
260 to 499 acres	159,319	176,671	57,158,548	63,428,119	30,444,392	34,088,945	3,649,437	4,143,671
500 to 999 acres	121,080	134,118	84,564,934	93,630,712	51,556,447	56,659,861	7,637,143	8,328,377
1,000 to 1,999 acres	78,927	85,362	108,934,832	117,172,443	69,844,694	72,787,584	11,934,858	12,417,277
2,000 to 4,999 acres	49,546	47,640	146,286,227	139,127,177	81,583,763	70,886,312	15,925,648	13,744,579
5,000 acres or more	16,559	14,644	190,931,380	193,224,434	40,951,525	30,733,130	11,192,128	10,046,695
Farms with irrigated land	301,028	299,583	231,003,205	243,442,396	86,529,391	79,050,919	56,599,305	55,311,236
Farms by size:								
1 to 9 acres	60,926	53,732	264,193	229,946	137,774	123,723	174,275	154,680
10 to 49 acres	81,444	78,883	1,904,753	1,863,561	881,491	914,394	1,015,333	1,038,782
50 to 69 acres	13,514	14,279	781,903	825,468	365,277	405,763	368,738	401,428
70 to 99 acres	15,180	15,827	1,242,704	1,296,119	590,848	637,358	590,571	629,402
100 to 139 acres	12,908	13,574	1,497,247	1,572,845	716,810	789,621	680,824	741,245
140 to 179 acres	11,013	11,817	1,734,907	1,858,597	886,855	982,891	834,371	908,127
180 to 219 acres	7,042	7,797	1,391,802	1,539,214	700,874	800,766	635,717	718,849
220 to 259 acres	5,954	6,577	1,417,472	1,565,393	768,349	865,673	681,808	754,019
260 to 499 acres	22,281	24,993	8,104,606	9,108,784	4,664,357	5,297,681	3,816,440	4,329,539
500 to 999 acres	24,072	26,253	17,154,230	18,662,390	10,849,817	11,556,221	7,842,051	8,541,152
1,000 to 1,999 acres	21,330	22,624	29,931,322	31,554,837	19,024,570	19,140,078	12,144,224	12,631,088
2,000 to 4,999 acres	17,240	15,907	51,882,475	47,523,480	28,266,871	22,914,034	16,170,391	14,028,639
5,000 acres or more	8,124	7,320	113,695,591	125,841,762	18,675,498	14,622,716	11,644,562	10,434,286

Table 10. **Irrigation: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Farms with irrigation		2007	2002
Farms	number	301,028	299,583
Proportion of farms	percent	13.7	14.1
Irrigated land	acres	56,599,305	55,311,236
Average per farm	acres	188	185
Acres irrigated:			
1 to 9 acres	farms	118,524	109,972
	acres	380,553	358,740
10 to 49 acres	farms	71,858	73,148
	acres	1,637,926	1,673,511
50 to 99 acres	farms	25,467	27,094
	acres	1,761,170	1,878,687
100 to 199 acres	farms	25,815	28,011
	acres	3,545,638	3,851,651
200 to 499 acres	farms	29,207	31,449
	acres	9,143,515	9,883,105

Farms with irrigation		2007	2002
Irrigated land - Con.			
Acres irrigated - Con.			
500 to 999 acres	farms	16,569	17,329
	acres	11,498,297	12,001,034
1,000 to 1,999 acres	farms	9,129	8,839
	acres	12,424,990	11,814,949
2,000 acres or more	farms	4,459	3,741
	acres	16,207,216	13,849,559
Irrigated land use:			
Harvested cropland	farms	256,105	258,030
	acres	51,537,104	50,334,022
Pastureland and other land	farms	72,585	69,568
	acres	5,062,201	4,977,214
Land in irrigated farms	acres	231,003,205	243,442,396
Cropland	acres	104,747,528	104,354,218
Harvested cropland	acres	86,529,391	79,050,919

Table 11. **Selected Characteristics of Irrigated and Nonirrigated Farms: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All farms		Irrigated farms				Nonirrigated farms	
			Any land irrigated		All harvested cropland irrigated			
	2007	2002	2007	2002	2007	2002	2007	2002
Farms ..... number	2,204,792	2,128,982	301,028	299,583	163,890	165,493	1,903,764	1,829,399
Land in farms ..... acres	922,095,840	938,279,056	231,003,205	243,442,396	87,900,817	115,995,413	691,092,635	694,836,660
Estimated market value of land and buildings [1]:								
Average per farm ..... dollars	791,138	537,833	1,564,384	980,820	1,478,628	929,284	668,871	464,690
Average per acre ..... dollars	1,892	1,213	2,039	1,205	2,757	1,337	1,843	1,216
Irrigated land ..... acres	56,599,305	55,311,236	56,599,305	55,311,236	27,347,373	29,626,767	(X)	(X)
Land in farms according to use:								
Total cropland ..... farms	1,685,339	1,751,450	274,207	282,056	163,890	165,493	1,411,132	1,469,394
acres	406,424,909	434,164,946	104,747,528	104,354,218	30,591,411	36,564,673	301,677,381	329,810,728
Harvested cropland ..... farms	1,328,004	1,362,608	259,591	261,842	163,890	165,493	1,068,413	1,100,766
acres	309,607,601	302,697,252	86,529,391	79,050,919	25,061,466	27,285,631	223,078,210	223,646,333
Pastureland, excluding woodland pastured ..... farms	1,372,880	1,315,656	144,856	135,998	58,067	53,244	1,228,024	1,179,658
acres	444,603,270	455,836,634	113,241,325	128,409,896	50,565,761	73,415,908	331,361,945	327,426,738
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [2] ..... farms	346,231	268,748	18,642	16,135	4,334	4,493	327,589	252,613
acres	38,547,450	32,723,967	3,886,030	3,541,507	959,743	1,113,911	34,661,420	29,182,460
Owned and rented land in farms:								
Owned land in farms ..... farms	2,064,225	1,979,140	274,220	270,487	149,308	149,296	1,790,005	1,708,653
acres	571,303,487	584,963,623	137,996,371	152,902,448	59,889,572	83,477,003	433,307,116	432,061,175
Rented or leased land in farms ..... farms	682,759	700,846	108,592	111,445	44,788	48,171	574,167	589,401
acres	350,792,353	353,315,433	93,006,834	90,539,948	28,011,245	32,518,410	257,785,519	262,775,485
Market value of agricultural products sold (see text) $1,000	297,220,491	200,646,355	118,510,873	82,012,629	65,333,520	50,363,856	178,709,618	118,633,726
Average per farm ..... dollars	134,807	94,245	393,687	273,756	398,643	304,326	93,872	64,848
Crops, including nursery and greenhouse crops ..... farms	986,080	944,656	228,397	224,628	140,554	138,495	757,683	720,028
$1,000	143,657,928	95,151,954	78,297,158	56,880,330	46,872,638	38,438,428	65,360,770	38,271,625
Livestock, poultry, and their products ..... farms	1,080,312	1,094,608	115,698	109,099	46,119	42,181	964,614	985,509
$1,000	153,562,563	105,494,401	40,213,715	25,132,299	18,460,881	11,925,427	113,348,848	80,362,102
Total farm production expenses [1] $1,000	241,113,666	173,199,216	93,256,498	67,113,575	50,648,686	39,463,677	147,857,169	106,085,641
Average per farm ..... dollars	109,359	81,362	309,793	222,471	309,041	234,962	77,666	58,063
Fertilizer, lime, and soil conditioners ..... farms	1,148,218	1,189,850	222,809	228,075	124,709	132,547	925,409	961,775
$1,000	18,107,194	9,751,460	6,908,217	3,722,090	3,131,542	1,947,065	11,198,977	6,029,370
Chemicals ..... farms	918,604	947,279	195,876	202,745	107,017	117,116	722,728	744,534
$1,000	10,074,914	7,608,921	4,969,102	3,731,671	2,611,435	2,092,627	5,105,812	3,877,250
Seeds, plants, vines, and trees ..... farms	775,893	874,634	165,987	171,392	84,894	90,699	609,906	703,242
$1,000	11,740,521	7,598,706	5,500,969	3,563,587	2,875,413	2,045,598	6,239,552	4,035,119
Livestock and poultry purchased or leased (see text) ..... farms	490,819	553,714	62,179	62,328	24,507	23,949	428,640	491,386
$1,000	38,003,682	27,420,965	12,154,749	8,425,872	4,312,036	3,499,701	25,848,933	18,995,093
Feed purchased ..... farms	1,135,968	1,240,747	115,713	118,676	44,556	44,980	1,020,255	1,122,071
$1,000	49,095,106	31,694,850	11,769,054	6,933,473	5,883,993	3,555,750	37,326,052	24,761,378
Gasoline, fuels, and oils ..... farms	2,148,806	2,024,139	297,405	294,880	161,121	163,596	1,851,401	1,729,259
$1,000	12,912,179	6,675,419	4,985,466	2,541,145	2,435,868	1,379,127	7,926,713	4,134,274
Utilities (see text) ..... farms	1,102,530	1,241,247	241,663	234,131	130,946	130,653	860,867	1,007,116
$1,000	5,917,615	4,874,139	3,160,225	2,407,969	2,064,768	1,660,929	2,757,390	2,466,170
Supplies, repairs, and maintenance ..... farms	1,992,234	1,898,607	287,678	282,412	156,275	156,420	1,704,556	1,616,195
$1,000	15,896,723	13,386,560	6,135,332	5,041,850	3,421,944	2,986,190	9,761,391	8,344,710
Hired farm labor ..... farms	482,186	554,434	125,463	140,222	67,353	77,822	356,723	414,212
$1,000	21,877,661	18,568,446	14,195,848	12,014,635	9,812,338	8,449,391	7,681,813	6,553,811
Contract labor ..... farms	182,701	228,692	58,478	67,919	37,417	45,852	124,223	160,773
$1,000	4,514,166	3,451,190	3,522,492	2,648,365	2,958,804	2,253,850	991,673	802,825
Customwork and custom hauling ..... farms	362,475	449,633	70,576	82,149	37,233	46,559	291,899	367,484
$1,000	4,091,038	3,313,737	2,109,644	1,690,197	1,391,789	1,192,006	1,981,393	1,623,541
Cash rent for land, buildings, and grazing fees ..... farms	490,372	497,885	86,426	84,307	35,468	36,143	403,946	413,578
$1,000	13,274,530	9,045,945	4,462,767	2,971,081	1,914,043	1,426,142	8,811,763	6,074,864
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	150,761	30,125	40,779	15,009	21,660	79,074	109,982
$1,000	1,385,219	1,468,423	740,547	743,202	407,284	428,171	644,673	725,221
Interest expense ..... farms	667,454	758,437	117,788	135,376	56,518	69,107	549,666	623,061
$1,000	10,880,731	9,571,577	3,657,491	3,161,184	1,914,499	1,760,294	7,223,240	6,410,393
Property taxes paid ..... farms	1,995,808	1,962,637	271,603	278,448	145,791	154,483	1,724,205	1,684,189
$1,000	6,223,048	5,350,817	1,710,027	1,443,251	945,865	828,992	4,513,021	3,907,566
All other production expenses (see text) ..... farms	1,115,703	1,254,079	196,243	205,507	97,554	109,177	919,460	1,048,572
$1,000	17,119,339	13,418,059	7,274,567	6,074,004	4,567,066	3,957,847	9,844,773	7,344,055
Commodity Credit Corporation loans (see text) ..... farms	50,572	106,120	11,148	19,765	3,049	6,141	39,424	86,355
$1,000	4,445,758	3,833,308	1,581,343	1,289,588	428,941	415,783	2,864,416	2,543,720
Government payments received ..... farms	838,391	707,596	91,061	83,084	33,152	32,224	747,330	624,512
$1,000	7,983,922	6,545,678	2,266,308	1,779,743	639,228	604,322	5,717,613	4,765,935
Income from farm-related sources (see text) ..... farms	693,187	621,926	101,356	90,804	43,250	39,530	591,831	531,122
$1,000	10,489,874	5,859,226	2,917,966	1,750,097	1,346,824	882,934	7,571,908	4,109,129
Estimated market value of all machinery and equipment [1] ..... farms	2,204,513	2,052,348	301,001	295,976	163,867	166,012	1,903,512	1,756,372
$1,000	194,783,471	136,624,880	49,002,143	35,530,511	21,277,088	16,997,347	145,781,328	101,094,369
Average per farm ..... dollars	88,357	66,570	162,797	120,045	129,844	102,386	76,585	57,559
Livestock inventory:								
Cattle and calves ..... farms	963,669	1,018,359	95,815	95,054	38,392	36,619	867,854	923,305
number	96,347,858	95,497,994	26,672,244	23,523,112	11,953,538	10,997,094	69,675,614	71,974,882
Milk cows ..... farms	69,890	91,989	7,673	9,297	3,065	3,718	62,217	82,692
number	9,266,574	9,103,959	3,475,160	2,808,735	2,369,749	1,817,623	5,791,414	6,295,224
Hogs and pigs ..... farms	75,442	78,895	9,204	8,828	3,085	3,010	66,238	70,067
number	67,786,318	60,405,103	12,015,505	12,103,893	3,666,338	5,624,275	55,770,813	48,301,210
Sheep and lambs ..... farms	83,134	73,814	13,326	11,862	6,356	5,063	69,808	61,952
number	5,819,162	6,341,799	1,939,693	2,149,883	1,153,822	1,239,169	3,879,469	4,191,916

[1] 2002 data are based on a sample of farms.
[2] 2002 data do not include farms with land in Farmable Wetlands or Conservation Reserve Enhancement Programs.

Table 12. **Cattle and Calves - Inventory: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002	
	Farms	Number	Farms	Number
Cattle and calves	963,669	96,347,858	1,018,359	95,497,994
Farms with-				
1 to 9	233,078	1,155,984	211,030	1,104,588
10 to 19	174,518	2,392,813	189,193	2,607,827
20 to 49	240,975	7,518,194	271,202	8,480,012
50 to 99	135,117	9,344,247	153,618	10,648,669
100 to 199	91,193	12,434,470	103,513	14,078,261
200 to 499	59,234	17,697,011	62,774	18,563,597
500 to 999	18,814	12,863,312	17,587	11,824,807
1,000 to 2,499	7,892	11,555,420	6,984	10,055,238
2,500 to 4,999	1,762	5,945,320	1,553	5,198,887
5,000 or more	1,086	15,441,087	905	12,936,108
Cows and heifers that had calved	818,992	42,101,375	864,823	42,502,230
Farms with-				
1 to 9	250,204	1,171,271	242,961	1,188,410
10 to 19	162,022	2,191,968	181,093	2,441,353
20 to 49	214,549	6,587,956	233,923	7,164,148
50 to 99	102,217	6,881,511	114,073	7,662,487
100 to 199	52,618	6,956,160	56,546	7,423,403
200 to 499	28,198	8,074,336	27,991	7,974,686
500 to 999	6,189	4,072,378	5,696	3,729,848
1,000 to 2,499	2,330	3,343,596	2,081	2,993,763
2,500 or more	665	2,822,199	459	1,924,132
Beef cows	764,984	32,834,801	796,436	33,398,271
Farms with-				
1 to 9	246,863	1,160,439	239,452	1,173,512
10 to 19	160,005	2,162,448	178,038	2,396,265
20 to 49	200,840	6,090,407	215,320	6,495,074
50 to 99	84,253	5,656,207	89,874	6,000,331
100 to 199	43,575	5,753,342	45,354	5,957,914
200 to 499	23,635	6,722,106	23,126	6,538,095
500 to 999	4,413	2,861,202	4,002	2,579,856
1,000 to 2,499	1,215	1,648,412	1,110	1,536,333
2,500 or more	185	780,238	160	720,891
Cattle and calves - Con.				
Cows and heifers that had calved - Con.				
Milk cows	69,890	9,266,574	91,989	9,103,959
Farms with-				
1 to 9	14,426	38,147	21,016	53,250
10 to 19	3,568	48,821	5,270	72,388
20 to 49	16,344	576,070	21,974	769,740
50 to 99	18,986	1,280,983	25,465	1,733,946
100 to 199	8,975	1,180,985	10,816	1,398,341
200 to 499	4,307	1,278,721	4,546	1,336,479
500 to 999	1,702	1,161,865	1,646	1,115,307
1,000 or more	1,582	3,700,982	1,256	2,624,508
1,000 to 2,499	1,104	1,673,772	(NA)	(NA)
2,500 or more	478	2,027,210	(NA)	(NA)
Other cattle (see text)	788,633	54,246,483	875,850	52,995,764
Farms with-				
1 to 9	329,593	1,386,215	348,102	1,479,533
10 to 19	147,914	1,973,684	173,744	2,320,653
20 to 49	155,011	4,684,915	183,102	5,518,682
50 to 99	72,829	4,904,323	84,287	5,671,311
100 to 199	40,703	5,433,374	45,719	6,073,657
200 to 499	27,467	8,131,785	27,595	8,054,938
500 to 999	9,344	6,412,405	8,390	5,563,088
1,000 to 2,499	4,122	5,974,122	3,457	4,950,011
2,500 or more	1,650	15,345,660	1,454	13,363,891
Cattle on feed (see text)	50,009	16,098,910	80,743	14,905,545
Farms with-				
1 to 9	15,818	65,809	30,409	129,481
10 to 19	7,072	93,242	13,778	179,989
20 to 49	9,136	280,083	14,552	432,316
50 to 99	6,313	426,159	9,207	615,629
100 to 199	4,375	586,624	5,889	780,033
200 to 499	3,744	1,118,788	4,139	1,212,797
500 to 999	1,997	1,429,215	1,442	966,408
1,000 to 2,499	780	1,152,679	620	942,904
2,500 or more	774	10,946,311	707	9,645,988

Table 13. **Cattle and Calves - Sales: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Number sold	2007			2002		
	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Cattle and calves	798,290	74,071,936	61,209,970	851,971	73,509,165	45,115,184
Farms by number sold-						
1 to 9	285,131	1,243,461	795,632	284,154	1,336,269	626,456
10 to 19	151,782	2,059,477	1,262,079	171,936	2,330,959	1,060,182
20 to 49	177,736	5,447,558	3,366,696	201,880	6,155,302	2,893,061
50 to 99	86,706	5,907,243	3,821,272	95,235	6,468,999	3,187,275
100 to 199	47,855	6,458,387	4,425,833	50,753	6,829,693	3,600,889
200 to 499	31,095	9,218,477	6,682,424	31,607	9,346,664	5,167,722
500 to 999	10,304	6,963,334	5,457,305	9,925	6,632,350	3,812,848
1,000 to 2,499	5,282	7,757,543	6,214,389	4,420	6,453,995	3,900,049
2,500 to 4,999	1,322	4,381,837	3,602,079	1,038	3,439,833	2,207,936
5,000 or more	1,077	24,634,619	25,582,262	1,023	24,515,101	18,658,766
Cattle, including calves weighing 500 pounds or more	681,126	60,376,684	(NA)	709,973	59,375,018	(NA)
Farms by number sold-						
1 to 9	297,526	1,192,607	(NA)	310,294	1,270,054	(NA)
10 to 19	122,477	1,620,881	(NA)	131,408	1,732,545	(NA)
20 to 49	127,694	3,852,708	(NA)	133,067	3,992,368	(NA)
50 to 99	60,513	4,089,677	(NA)	61,934	4,187,936	(NA)
100 to 199	34,637	4,641,988	(NA)	36,058	4,839,373	(NA)
200 to 499	24,114	7,080,491	(NA)	24,227	7,118,078	(NA)
500 to 999	8,025	5,396,029	(NA)	7,711	5,134,916	(NA)
1,000 to 2,499	4,160	6,100,214	(NA)	3,510	5,071,881	(NA)
2,500 to 4,999	1,023	3,378,386	(NA)	829	2,757,107	(NA)
5,000 or more	957	23,023,703	(NA)	935	23,270,760	(NA)
Cattle on feed (see text)	76,396	27,595,928	(NA)	105,978	28,163,195	(NA)
Farms by number sold-						
1 to 9	34,543	129,460	(NA)	49,020	185,669	(NA)
10 to 19	10,574	138,957	(NA)	15,703	206,223	(NA)
20 to 49	11,736	357,197	(NA)	17,006	517,703	(NA)
50 to 99	6,579	449,362	(NA)	9,444	638,774	(NA)
100 to 199	4,710	634,210	(NA)	6,320	849,888	(NA)
200 to 499	3,975	1,183,536	(NA)	4,743	1,411,101	(NA)
500 to 999	1,980	1,376,157	(NA)	1,792	1,207,688	(NA)
1,000 to 2,499	1,264	1,872,253	(NA)	968	1,451,404	(NA)
2,500 to 4,999	366	1,248,925	(NA)	298	1,030,300	(NA)
5,000 or more	669	20,205,871	(NA)	684	20,664,445	(NA)
Calves weighing less than 500 pounds	414,324	13,695,252	(NA)	500,652	14,134,147	(NA)
Farms by number sold-						
1 to 9	188,636	804,207	(NA)	233,120	1,014,514	(NA)
10 to 19	92,239	1,200,194	(NA)	113,533	1,470,755	(NA)
20 to 49	86,922	2,504,176	(NA)	103,368	2,958,070	(NA)
50 to 99	26,191	1,695,544	(NA)	29,695	1,929,030	(NA)
100 to 199	11,029	1,438,458	(NA)	12,047	1,556,614	(NA)
200 to 499	6,405	1,865,081	(NA)	6,394	1,809,303	(NA)
500 to 999	1,788	1,177,158	(NA)	1,650	1,090,889	(NA)
1,000 or more	1,114	3,010,434	(NA)	845	2,304,972	(NA)

Table 14. **Cattle and Calves Herd Size by Inventory and Sales: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Herd size	Cattle and calves inventory						Cattle and calves sales		
	Total		Cows and heifers that had calved		Other cattle (see text)				
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)
Total	963,669	96,347,858	818,992	42,101,375	788,633	54,246,483	758,684	72,036,486	59,607,689
Farms with herd size of-									
1 to 9	233,078	1,155,984	165,386	639,812	155,064	516,172	126,747	737,451	469,334
10 to 19	174,518	2,392,813	151,434	1,460,860	133,383	931,953	128,762	1,163,397	708,632
20 to 49	240,975	7,518,194	218,807	4,709,892	198,295	2,808,302	203,856	3,751,523	2,332,247
50 to 99	135,117	9,344,247	124,659	5,461,923	127,506	3,882,324	125,377	4,963,918	3,142,892
100 to 199	91,193	12,434,470	83,821	6,882,349	87,839	5,552,121	87,969	6,793,024	4,457,224
200 to 499	59,234	17,697,011	51,664	8,758,981	57,548	8,938,030	57,326	10,599,652	7,609,397
500 to 999	18,814	12,863,312	15,106	5,269,659	18,467	7,593,653	18,186	8,842,821	7,119,716
1,000 to 2,499	7,892	11,555,420	6,245	4,506,870	7,729	7,048,550	7,650	8,072,020	6,567,597
2,500 to 4,999	1,762	5,945,320	1,314	2,252,449	1,720	3,692,871	1,739	4,706,975	3,940,153
5,000 or more	1,086	15,441,087	556	2,158,580	1,082	13,282,507	1,072	22,405,705	23,260,497
No cattle and calves herd, as of Dec. 31, 2007	(X)	(X)	(X)	(X)	(X)	(X)	39,606	2,035,450	1,602,280

Table 15. **Cow Herd Size by Inventory and Sales: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Cow herd [1]	Cattle and calves inventory						Cattle and calves sales		
	Total		Cows and heifers that had calved		Other cattle (see text)				
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)
Total	818,992	74,406,565	818,992	42,101,375	643,956	32,305,190	667,551	40,211,326	27,512,988
Farms with cow herd size of-									
1 to 9	250,204	2,444,357	250,204	1,171,271	172,190	1,273,086	158,593	1,280,969	843,057
10 to 19	162,022	3,774,421	162,022	2,191,968	120,887	1,582,453	131,569	1,830,374	1,175,512
20 to 49	214,549	11,187,414	214,549	6,587,956	171,869	4,599,458	189,576	5,529,121	3,629,701
50 to 99	102,217	12,452,019	102,217	6,881,511	94,606	5,570,508	99,340	6,642,895	4,386,715
100 to 199	52,618	12,558,006	52,618	6,956,160	49,264	5,601,846	51,615	6,995,416	4,896,700
200 to 499	28,198	14,455,921	28,198	8,074,336	26,512	6,381,585	27,784	8,561,532	6,317,916
500 to 999	6,189	7,185,245	6,189	4,072,378	5,842	3,112,867	6,117	4,176,292	3,040,987
1,000 to 2,499	2,330	5,711,115	2,330	3,343,596	2,167	2,367,519	2,303	2,924,742	1,881,744
2,500 or more	665	4,638,067	665	2,822,199	619	1,815,868	654	2,269,985	1,340,655
No cow herd, as of Dec. 31, 2007	144,677	21,941,293	(X)	(X)	144,677	21,941,293	130,739	33,860,610	33,696,982

[1] Cow herd includes beef cows, milk cows, and heifers that had calved.

Table 16. **Beef Cow Herd Size by Inventory and Sales: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Beef cow herd	Cattle and calves inventory							
	Total		Cows and heifers that had calved				Other cattle (see text)	
			Total		Beef cows			
	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total	764,984	59,897,763	764,984	33,758,026	764,984	32,834,801	593,695	26,139,737
Farms with beef herd size of-								
1 to 9	246,863	2,714,096	246,863	1,358,260	246,863	1,160,439	170,058	1,355,836
10 to 19	160,005	3,881,912	160,005	2,270,349	160,005	2,162,448	119,164	1,611,563
20 to 49	200,840	10,638,096	200,840	6,315,509	200,840	6,090,407	158,925	4,322,587
50 to 99	84,253	10,366,939	84,253	5,804,285	84,253	5,656,207	77,205	4,562,654
100 to 199	43,575	10,560,641	43,575	5,863,127	43,575	5,753,342	40,623	4,697,514
200 to 499	23,635	12,241,349	23,635	6,811,697	23,635	6,722,106	22,223	5,429,652
500 to 999	4,413	5,205,230	4,413	2,879,598	4,413	2,861,202	4,183	2,325,632
1,000 to 2,499	1,215	2,983,468	1,215	1,671,943	1,215	1,648,412	1,139	1,311,525
2,500 or more	185	1,306,032	185	783,258	185	780,238	175	522,774
No beef cow herd, as of Dec. 31, 2007	198,685	36,450,095	54,008	8,343,349	(X)	(X)	194,938	28,106,746

Beef cow herd	Cattle and calves sales								
	Total			Cattle				Calves	
				Total		Cattle on feed (see text)			
	Farms	Number	Value ($1,000)	Farms	Number	Farms	Number	Farms	Number
Total	618,755	34,917,699	24,897,082	526,300	26,758,433	44,385	4,519,409	335,564	8,159,266
Farms with beef herd size of-									
1 to 9	157,562	1,305,277	834,389	125,866	885,618	12,225	101,465	72,249	419,659
10 to 19	130,116	1,847,100	1,175,440	105,662	1,217,095	8,952	160,406	72,162	630,005
20 to 49	177,249	5,364,822	3,530,351	150,394	3,718,418	11,455	467,709	101,729	1,646,404
50 to 99	81,965	6,021,554	4,038,898	76,075	4,411,406	5,651	610,787	51,344	1,610,148
100 to 199	42,777	6,409,521	4,562,239	40,531	5,044,199	3,468	762,097	23,641	1,365,322
200 to 499	23,323	7,794,961	5,924,685	22,249	6,395,188	2,049	1,138,408	11,550	1,399,773
500 to 999	4,371	3,441,156	2,678,316	4,180	2,877,026	443	750,269	2,143	564,130
1,000 to 2,499	1,209	1,845,325	1,427,328	1,166	1,510,882	128	291,016	625	334,443
2,500 or more	183	887,983	725,435	177	698,601	14	237,252	121	189,382
No beef cow herd, as of Dec. 31, 2007	179,535	39,154,237	36,312,887	154,826	33,618,251	32,011	23,076,519	78,760	5,535,986

Table 17. **Milk Cow Herd Size by Inventory and Sales: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Milk cow herd	Cattle and calves inventory							
	Total		Cows and heifers that had calved				Other cattle (see text)	
			Total		Milk cows			
	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total	69,890	17,199,704	69,890	9,894,291	69,890	9,266,574	63,734	7,305,413
Farms with milk cow herd size of-								
1 to 9	14,426	547,110	14,426	278,487	14,426	38,147	11,255	268,623
10 to 19	3,568	148,494	3,568	75,352	3,568	48,821	3,011	73,142
20 to 49	16,344	1,202,187	16,344	655,485	16,344	576,070	15,414	546,702
50 to 99	18,986	2,620,187	18,986	1,379,735	18,986	1,280,983	18,366	1,240,452
100 to 199	8,975	2,328,633	8,975	1,272,318	8,975	1,180,985	8,578	1,056,315
200 to 499	4,307	2,324,971	4,307	1,330,633	4,307	1,278,721	4,062	994,338
500 to 999	1,702	1,947,534	1,702	1,177,929	1,702	1,161,865	1,587	769,605
1,000 or more	1,582	6,080,588	1,582	3,724,352	1,582	3,700,982	1,461	2,356,236
1,000 to 2,499	1,104	2,752,803	1,104	1,685,446	1,104	1,673,772	1,019	1,067,357
2,500 or more	478	3,327,785	478	2,038,906	478	2,027,210	442	1,288,879
No milk cow herd, as of Dec. 31, 2007	893,779	79,148,154	749,102	32,207,084	(X)	(X)	724,899	46,941,070

Milk cow herd	Cattle and calves sales							Dairy product sales	
	Total			Cattle		Calves			
	Farms	Number	Value ($1,000)	Farms	Number	Farms	Number	Farms	Value ($1,000)
Total	62,688	6,404,939	3,323,421	56,108	3,023,425	46,107	3,381,514	67,866	31,671,003
Farms with milk cow herd size of-									
1 to 9	10,153	338,179	237,987	8,415	217,495	5,469	120,684	12,463	100,554
10 to 19	2,937	73,110	57,588	2,489	47,825	1,972	25,285	3,534	121,697
20 to 49	14,991	401,983	247,799	13,332	222,205	11,363	179,778	16,332	1,585,945
50 to 99	18,400	831,574	488,694	16,998	474,591	13,906	356,983	18,976	3,927,075
100 to 199	8,774	747,781	438,278	8,107	409,255	6,926	338,526	8,971	3,822,948
200 to 499	4,209	831,423	441,730	3,837	392,744	3,597	438,679	4,306	4,590,827
500 to 999	1,672	705,684	333,071	1,528	283,912	1,488	421,772	1,702	4,286,602
1,000 or more	1,552	2,475,205	1,078,274	1,402	975,398	1,386	1,499,807	1,582	13,235,356
1,000 to 2,499	1,083	1,084,088	454,848	979	440,620	952	643,468	1,104	6,116,637
2,500 or more	469	1,391,117	623,425	423	534,778	434	856,339	478	7,118,719
No milk cow herd, as of Dec. 31, 2007	735,602	67,666,997	57,886,549	625,018	57,353,259	368,217	10,313,738	1,897	177,026

Table 18. **Cattle and Calves - Number Sold Per Farm by Sales: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Number sold	Cattle and calves			Cattle, including calves weighing 500 pounds or more				Calves weighing less than 500 pounds	
				Total		Cattle on feed (see text)			
	Farms	Number	Value ($1,000)	Farms	Number	Farms	Number	Farms	Number
Total	798,290	74,071,936	61,209,970	681,126	60,376,684	76,396	27,595,928	414,324	13,695,252
Farms by number of cattle and calves sold -									
1 to 9	285,131	1,243,461	795,632	222,859	804,177	23,930	81,140	119,602	439,284
10 to 19	151,782	2,059,477	1,262,079	126,166	1,257,556	11,846	107,766	88,952	801,921
20 to 49	177,736	5,447,558	3,366,696	157,961	3,473,065	14,922	305,925	107,958	1,974,493
50 to 99	86,706	5,907,243	3,821,272	81,774	4,106,796	9,020	423,732	51,411	1,800,447
100 to 199	47,855	6,458,387	4,425,833	45,628	4,818,306	6,183	596,456	25,580	1,640,081
200 to 499	31,095	9,218,477	6,682,424	29,615	7,191,312	5,050	1,121,049	14,102	2,027,165
500 to 999	10,304	6,963,334	5,457,305	9,801	5,556,711	2,520	1,374,528	4,202	1,406,623
1,000 to 2,499	5,282	7,757,543	6,214,389	5,013	6,362,974	1,678	1,919,602	1,885	1,394,569
2,500 or more	2,399	29,016,456	29,184,341	2,309	26,805,787	1,247	21,665,730	632	2,210,669

Table 19. **Hogs and Pigs - Inventory: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Hogs and pigs	2007		2002	
	Farms	Number	Farms	Number
Total hogs and pigs	75,442	67,786,318	78,895	60,405,103
Farms with-				
1 to 24	45,047	260,154	38,303	262,098
25 to 49	4,292	146,672	5,650	193,931
50 to 99	3,182	215,206	4,682	319,128
100 to 199	2,590	354,203	4,611	626,869
200 to 499	4,524	1,467,383	7,755	2,463,794
500 to 999	3,588	2,488,234	6,010	4,175,405
1,000 to 1,999	4,013	5,527,798	5,148	6,849,279
2,000 to 4,999	5,356	16,532,918	4,530	13,798,995
5,000 or more	2,850	40,793,750	2,206	31,715,604
Hogs and pigs used or to be used for breeding	32,867	6,290,610	39,367	6,174,439
Farms with-				
1 to 24	24,006	140,312	24,794	169,828
25 to 49	2,427	81,667	4,047	136,919
50 to 99	1,815	120,806	3,660	246,631

Hogs and pigs	2007		2002	
	Farms	Number	Farms	Number
Total hogs and pigs - Con.				
Hogs and pigs used or to be used for breeding - Con.				
Farms with - Con.				
100 to 199	1,408	184,483	2,831	368,969
200 to 499	1,256	378,897	1,952	580,702
500 or more	1,955	5,384,445	2,083	4,671,390
Other hogs and pigs	66,441	61,495,708	71,923	54,230,664
Farms with-				
1 to 24	38,194	214,156	34,240	227,230
25 to 49	3,450	116,006	4,661	157,264
50 to 99	2,652	177,656	4,160	277,423
100 to 199	2,355	314,087	4,318	570,087
200 to 499	4,494	1,424,141	7,681	2,388,116
500 to 999	3,618	2,478,132	5,834	4,009,622
1,000 or more	11,678	56,771,530	11,029	46,600,922

Table 20. **Hogs and Pigs - Sales: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Hogs and pigs	2007			2002		
	Farms	Number	Value ($1,000)	Farms	Number	Value ($1,000)
Total hogs and pigs sold	74,789	206,807,181	18,056,981	82,028	184,997,686	12,400,977
Farms with sales of-						
1 to 24	39,101	249,834	28,810	34,032	233,429	20,813
25 to 49	4,819	163,975	15,359	5,545	189,128	14,167
50 to 99	3,660	246,540	23,975	5,019	336,718	24,716
100 to 199	3,052	411,738	40,344	4,925	666,814	50,238
200 to 499	4,253	1,305,183	139,517	6,947	2,184,766	173,508
500 to 999	3,357	2,370,219	277,126	6,143	4,324,402	358,854
1,000 to 1,999	3,484	4,749,177	549,299	6,148	8,361,901	692,422
2,000 to 4,999	5,072	16,416,306	1,910,310	6,059	18,504,172	1,521,681
5,000 or more	7,991	180,894,209	15,072,240	7,210	150,196,356	9,544,579

Table 21. **Hogs and Pigs Herd Size by Inventory and Sales: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Herd size	Hogs and pigs inventory						Hogs and pigs sales		
	Total		Used or to be used for breeding		Other hogs and pigs				
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)
Total inventory	75,442	67,786,318	32,867	6,290,610	66,441	61,495,708	61,677	203,065,949	17,668,617
Farms with-									
1 to 24	45,047	260,154	17,985	71,899	36,688	188,255	31,731	542,532	50,627
25 to 49	4,292	146,672	3,236	37,754	4,019	108,918	4,050	321,828	29,521
50 to 99	3,182	215,206	2,374	46,309	3,053	168,897	3,094	518,099	48,721
100 to 199	2,590	354,203	1,865	57,731	2,507	296,472	2,577	845,142	86,745
200 to 499	4,524	1,467,383	2,409	150,835	4,456	1,316,548	4,494	3,668,970	379,818
500 to 999	3,588	2,488,234	1,500	218,663	3,543	2,269,571	3,566	6,790,915	659,607
1,000 to 1,999	4,013	5,527,798	1,279	417,746	3,989	5,110,052	3,996	16,465,902	1,542,960
2,000 to 4,999	5,356	16,532,918	1,150	887,583	5,336	15,645,335	5,320	48,955,437	4,616,491
5,000 or more	2,850	40,793,750	1,069	4,402,090	2,850	36,391,660	2,849	124,957,124	10,254,128
No hogs or pigs on Dec. 31, 2007	(X)	(X)	(X)	(X)	(X)	(X)	13,112	3,741,232	388,363

Table 22. **Hogs and Pigs - Inventory and Sales by Number Sold Per Farm: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Hogs and pigs	Hogs and pigs inventory						Hogs and pigs sales		
	Total		Used or to be used for breeding		Other hogs and pigs				
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value ($1,000)
Total sold	61,677	67,559,741	28,042	6,259,870	55,658	61,299,871	74,789	206,807,181	18,056,981
Farms with sales of-									
1 to 24	28,750	234,296	11,251	53,967	24,678	180,329	39,101	249,834	28,810
25 to 49	4,149	108,539	3,112	25,585	3,420	82,954	4,819	163,975	15,359
50 to 99	3,234	154,248	2,449	34,563	2,769	119,685	3,660	246,540	23,975
100 to 199	2,724	226,620	2,089	40,991	2,397	185,629	3,052	411,738	40,344
200 to 499	3,800	726,173	2,654	94,035	3,585	632,138	4,253	1,305,183	139,517
500 to 999	3,061	1,321,104	1,578	111,099	2,992	1,210,005	3,357	2,370,219	277,126
1,000 to 1,999	3,277	2,384,263	1,321	160,657	3,231	2,223,606	3,484	4,749,177	549,299
2,000 to 4,999	4,871	7,771,903	1,200	313,065	4,823	7,458,838	5,072	16,416,306	1,910,310
5,000 or more	7,811	54,632,595	2,388	5,425,908	7,763	49,206,687	7,991	180,894,209	15,072,240
None sold	13,765	226,577	4,825	30,740	10,783	195,837	(X)	(X)	(X)

Table 23. **Hogs and Pigs - Inventory by Type of Producer: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Herd size	Independent grower		Contractor or integrator		Contract grower (Contractee)	
	Farms	Number	Farms	Number	Farms	Number
Total inventory	66,267	31,809,284	712	9,538,977	8,463	26,438,057
Farms with-						
1 to 24	44,967	259,594	63	405	17	155
25 to 49	4,273	145,949	5	186	14	537
50 to 99	3,128	211,348	10	690	44	3,168
100 to 199	2,475	337,221	19	2,724	96	14,258
200 to 499	3,643	1,164,772	39	12,791	842	289,820
500 to 999	2,382	1,669,319	54	35,124	1,152	783,791
1,000 to 1,999	2,084	2,854,592	91	132,289	1,838	2,540,917
2,000 to 4,999	2,187	6,692,081	154	500,989	3,015	9,339,848
5,000 or more	1,128	18,474,408	277	8,853,779	1,445	13,465,563

Table 24. **Hogs and Pigs - Number Sold by Type of Producer: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Hogs and pigs	Independent grower		Contractor or integrator		Contract grower (Contractee)	
	Farms	Number	Farms	Number	Farms	Number
Total hogs and pigs sold	65,067	84,580,834	727	31,447,930	8,995	90,778,417
Farms with-						
1 to 24	39,039	249,294	61	(D)	1	(D)
25 to 49	4,801	163,349	16	(D)	2	(D)
50 to 99	3,643	245,296	8	507	9	737
100 to 199	3,034	409,385	5	560	13	1,793
200 to 499	4,042	1,228,168	28	9,611	183	67,404
500 to 999	2,606	1,826,177	35	22,569	716	521,473
1,000 to 1,999	2,363	3,202,590	43	57,949	1,078	1,488,638
2,000 to 4,999	2,552	8,000,920	94	300,788	2,426	8,114,598
5,000 or more	2,987	69,255,655	437	31,054,862	4,567	80,583,692

Table 25. **Hogs and Pigs - Inventory by Type of Operation: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Herd size	Farrow to wean		Farrow to finish		Finish only		Farrow to feeder		Nursery		Other	
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total inventory	5,102	6,559,162	21,513	20,096,038	28,321	29,116,843	5,460	3,004,856	1,638	4,809,569	13,408	4,199,850
Farms with-												
1 to 24	3,026	23,062	10,984	77,803	15,674	82,502	3,504	28,675	267	1,269	11,592	46,843
25 to 49	425	14,253	1,954	68,455	856	28,684	678	22,947	26	844	353	11,489
50 to 99	244	16,571	1,587	109,874	680	45,020	493	32,605	11	727	167	10,409
100 to 199	103	13,753	1,506	208,407	613	81,628	248	34,080	15	2,442	105	13,893
200 to 499	138	46,794	2,035	652,025	1,849	606,027	215	66,423	143	49,805	144	46,309
500 to 999	205	147,731	1,204	850,834	1,795	1,226,778	71	49,927	171	109,044	142	103,920
1,000 to 1,999	336	471,116	865	1,183,112	2,273	3,133,122	78	110,430	219	295,042	242	334,976
2,000 to 4,999	290	939,620	743	2,264,523	3,272	10,068,602	89	256,990	477	1,502,721	485	1,500,462
5,000 or more	335	4,886,262	635	14,681,005	1,309	13,844,480	84	2,402,779	309	2,847,675	178	2,131,549

Table 26. **Hogs and Pigs - Number Sold by Type of Operation: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Hogs and pigs	Farrow to wean		Farrow to finish		Finish only		Farrow to feeder		Nursery		Other	
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total hogs and pigs sold	4,970	48,936,246	21,032	41,440,210	31,958	66,639,625	5,252	12,120,383	1,614	26,236,108	9,963	11,434,609
Farms with-												
1 to 24	2,055	21,169	9,433	68,473	17,570	100,783	2,360	21,484	165	1,079	7,518	36,846
25 to 49	632	21,602	1,801	62,093	1,126	37,357	756	25,922	21	724	483	16,277
50 to 99	417	28,299	1,507	102,473	782	51,913	617	42,030	7	395	330	21,430
100 to 199	280	36,270	1,474	200,589	625	84,068	452	61,353	12	1,502	209	27,956
200 to 499	219	65,470	2,156	655,645	1,235	390,188	424	125,829	23	7,706	196	60,345
500 to 999	75	51,660	1,397	980,432	1,502	1,076,411	186	124,613	56	38,688	141	98,415
1,000 to 1,999	78	112,032	1,186	1,596,511	1,905	2,594,106	102	136,370	92	133,435	121	176,723
2,000 to 4,999	157	527,668	967	3,011,429	3,151	10,298,532	135	402,036	255	796,355	407	1,380,286
5,000 or more	1,057	48,072,076	1,111	34,762,565	4,062	52,006,267	220	11,180,746	983	25,256,224	558	9,616,331

Table 27. **Poultry - Inventory and Number Sold: 2007 and 2002**

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002	
	Farms	Number	Farms	Number
INVENTORY				
Layers (see text)	145,615	349,772,508	98,315	334,435,155
Farms with inventory of-				
1 to 49	125,195	2,006,251	82,693	1,366,625
50 to 99	10,648	651,314	7,431	443,106
100 to 399	5,001	785,699	3,684	557,490
400 to 3,199	785	783,776	487	507,033
3,200 to 9,999	626	4,691,571	672	5,051,441
10,000 to 19,999	1,373	20,218,149	1,421	20,695,146
20,000 to 49,999	1,292	35,972,247	1,127	31,665,909
50,000 to 99,999	261	18,129,706	302	21,436,185
100,000 or more	434	266,533,795	498	252,712,220
Pullets for laying flock replacement	22,514	105,876,529	25,624	94,882,450
Broilers and other meat-type chickens	32,668	1,602,574,592	37,937	1,389,279,047
Turkeys (see text)	17,226	107,173,804	16,586	93,028,191
Ducks	31,391	3,984,982	26,140	3,823,629
Emus	3,621	28,443	5,224	48,221
Geese	18,869	177,812	17,110	173,000
Ostriches	714	11,188	1,643	20,560
Pheasants	5,313	3,773,593	4,977	2,267,136
Pigeons or Squab	5,369	531,489	4,405	449,255
Quail	3,983	10,611,067	3,742	4,888,196
Other poultry (see text)	34,401	2,993,318	13,790	1,629,522
NUMBER SOLD				
Layers (see text)	24,971	194,955,057	18,621	202,947,490
Farms by number sold-				
1 to 99	19,091	386,526	13,776	282,433
100 to 399	1,669	281,575	1,150	180,715
400 to 3,199	563	604,332	294	318,466
3,200 to 9,999	721	5,417,492	605	4,457,915
10,000 to 19,999	1,433	21,419,741	1,223	17,758,088
20,000 to 49,999	1,053	29,334,123	895	25,984,561
50,000 to 99,999	197	13,887,039	305	21,684,118
100,000 or more	244	123,624,229	373	132,281,194
NUMBER SOLD - Con.				
Pullets for laying flock replacement	4,169	161,354,686	8,193	174,916,701
Farms by number sold-				
1 to 1,999	2,382	155,483	6,337	284,617
2,000 to 15,999	126	1,150,407	135	1,182,881
16,000 to 29,999	286	6,199,685	256	5,575,458
30,000 to 59,999	625	26,423,877	662	28,218,548
60,000 to 99,999	382	28,132,401	425	31,101,790
100,000 or more	368	99,292,833	378	108,553,407
Broilers and other meat-type chickens	27,091	8,914,828,122	32,006	8,500,313,357
Farms by number sold-				
1 to 1,999	9,743	1,178,804	10,869	1,146,308
2,000 to 15,999	334	2,044,755	406	2,871,466
16,000 to 29,999	87	1,903,683	206	4,420,530
30,000 to 59,999	197	8,800,795	444	19,732,838
60,000 to 99,999	623	49,932,801	1,060	84,498,647
100,000 to 199,999	2,270	341,362,565	3,311	498,386,958
200,000 to 299,999	2,493	604,600,599	4,653	1,137,668,155
300,000 to 499,999	4,840	1,892,461,973	5,754	2,191,324,340
500,000 or more	6,504	6,012,542,147	5,303	4,560,264,115
Turkeys (see text)	8,284	295,793,159	8,436	283,247,649
Farms by number sold-				
1 to 1,999	5,529	213,253	5,590	217,182
2,000 to 7,999	85	350,941	93	429,577
8,000 to 15,999	110	1,288,711	126	1,527,243
16,000 to 29,999	255	5,752,318	290	6,485,730
30,000 to 59,999	792	34,512,017	789	34,005,988
60,000 to 99,999	686	51,117,518	748	55,689,033
100,000 or more	827	202,558,401	800	184,892,896
Ducks	5,946	27,321,288	5,835	24,143,066
Emus	524	6,540	1,143	15,682
Geese	2,497	161,133	2,920	200,564
Ostriches	155	5,697	472	16,038
Pheasants	2,582	10,876,586	2,519	7,206,460
Pigeons or squab	1,441	1,294,163	1,309	1,160,364
Quail	2,072	39,968,045	1,907	19,157,803
Other poultry (see text)	6,640	4,354,448	3,627	3,111,544

Table 28. **Sheep and Lambs - Inventory, Wool Production, and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007		2002	
	Farms	Number	Farms	Number
Sheep and lambs inventory	83,134	5,819,162	73,814	6,341,799
Farms with-				
1 to 24	54,889	520,091	44,562	402,400
25 to 99	21,070	952,129	20,694	969,275
100 to 299	4,762	746,733	5,670	903,061
300 to 999	1,599	801,425	1,995	1,027,243
1,000 to 2,499	502	779,440	558	851,511
2,500 to 4,999	165	571,054	185	644,231
5,000 or more	147	1,448,290	150	1,544,078
Sheep and lambs inventory - Con.				
Ewes 1 year old or older	68,222	3,516,409	66,769	3,632,196
Wool production (pounds)	43,091	34,017,725	47,208	39,798,847
Sheep and lambs sold	53,268	4,579,608	47,464	5,426,904

Table 29. **Sheep and Lambs - Inventory, Wool Production, and Number Sold by Size of Flock: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Sheep and lambs inventory	Sheep and lambs inventory				Wool production		Sheep and lambs sold	
	Total		Ewes 1 year old or older					
	Farms	Number	Farms	Number	Farms	Pounds	Farms	Number
Total	83,134	5,819,162	68,222	3,516,409	42,494	33,787,534	49,039	4,448,272
Farms with inventory of-								
1 to 24	54,889	520,091	40,364	288,056	19,900	1,873,445	24,882	278,361
25 to 99	21,070	952,129	20,736	644,635	16,407	5,043,595	17,033	611,615
100 to 299	4,762	746,733	4,747	503,020	3,984	4,152,027	4,723	577,692
300 to 999	1,599	801,425	1,586	532,815	1,431	4,854,369	1,590	586,599
1,000 to 2,499	502	779,440	493	520,236	471	5,209,949	499	544,185
2,500 to 4,999	165	571,054	159	363,087	158	3,905,330	165	403,039
5,000 or more	147	1,448,290	137	664,560	143	8,748,819	147	1,446,781
No sheep and lambs as of Dec. 31, 2007	(X)	(X)	(X)	(X)	597	230,191	4,229	131,336

Table 30. **Ewes 1 Year Old or Older - Inventory, Wool Production, and Number Sold by Size of Ewe Flock: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Ewes 1 year old or older inventory	Sheep and lambs inventory				Wool production		Sheep and lambs sold	
	Total		Ewes 1 year old or older					
	Farms	Number	Farms	Number	Farms	Pounds	Farms	Number
Total	68,222	5,534,735	68,222	3,516,409	40,762	32,558,496	45,191	3,906,504
Farms with inventory of-								
1 to 24	48,632	717,207	48,632	424,000	24,405	3,124,402	27,091	377,214
25 to 99	14,807	964,101	14,807	665,732	12,090	5,255,979	13,350	696,246
100 to 199	2,365	484,653	2,365	312,312	2,045	2,699,044	2,348	381,683
200 to 499	1,388	640,431	1,388	402,136	1,242	3,680,550	1,376	478,239
500 to 999	496	552,275	496	335,942	469	3,362,762	494	399,171
1,000 to 2,499	354	835,043	354	531,706	336	5,542,084	352	612,127
2,500 to 4,999	123	692,437	123	428,705	120	4,638,662	123	469,481
5,000 or more	57	648,588	57	415,876	55	4,255,013	57	492,343
No ewes 1 year old or older as of Dec. 31, 2007	14,912	284,427	(X)	(X)	2,329	1,459,229	8,077	673,104

Table 31. **Other Animals and Animal Products - Inventory and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item		Inventory		Number sold	
		2007	2002	2007	2002
Colonies of bees	farms	27,908	17,357	1,046	937
	number	2,902,732	2,350,005	74,820	82,291
Honey collected (see text) [1]	farms	(X)	(X)	16,905	12,029
	pounds	(X)	(X)	152,057,812	134,551,490
Bison	farms	4,499	4,132	1,821	1,734
	number	198,234	231,950	62,890	57,210
Deer	farms	5,654	4,901	2,300	1,895
	number	269,537	286,863	44,210	43,526
Elk	farms	1,917	2,371	888	934
	number	68,251	97,901	13,049	16,058
Aquaculture value (see text)	farms	(X)	(X)	6,409	6,653
Goats, all	farms	144,466	91,462	61,748	43,495
	number	3,140,529	2,530,466	1,387,576	1,314,310
Angora goats	farms	7,215	5,075	1,645	1,662
	number	204,106	300,753	50,017	91,037
Mohair produced [1]	farms	(X)	(X)	4,312	2,434
	pounds	(X)	(X)	1,375,100	2,416,376
Milk goats	farms	27,481	22,389	9,095	8,850
	number	334,754	290,789	102,775	113,654
Meat and other goats	farms	123,278	74,980	54,280	36,403
	number	2,601,669	1,938,924	1,234,784	1,109,619

Item		Inventory		Number sold	
		2007	2002	2007	2002
Horses and ponies	farms	575,942	542,223	133,472	124,586
	number	4,028,827	3,644,278	506,503	470,423
Horses and ponies owned	farms	501,528	(NA)	106,050	(NA)
	number	3,224,964	(NA)	400,845	(NA)
Mules, burros, and donkeys	farms	99,746	29,936	11,548	4,941
	number	283,806	105,358	32,467	17,385
Alpacas (see text)	farms	8,708	(NA)	2,461	(NA)
	number	121,904	(NA)	13,164	(NA)
Llamas	farms	26,060	16,887	3,411	3,756
	number	122,680	144,782	12,704	18,653
Mink and their pelts	farms	290	310	282	320
	number	1,507,719	1,113,941	2,811,470	2,506,819
Rabbits and their pelts	farms	27,137	10,073	6,811	4,326
	number	616,129	405,241	979,563	886,841
Other livestock (see text) [2]	farms	12,781	4,364	5,047	2,492
Other livestock products [1]	farms	(X)	(X)	5,904	4,105

[1] Data are for farms with production, not necessarily sold.
[2] 2002 data include alpacas.

Table 32. **Specified Crops Harvested - Yield per Acre Irrigated and Nonirrigated: 2007**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	Entire crop irrigated			Part of crop irrigated				None of crop irrigated		
	Farms	Acres	Average yield per acre	Farms	Acres irrigated	Acres not irrigated	Average yield per acre	Farms	Acres	Average yield per acre
Barley for grain (bushels)	3,566	605,340	100.0	675	136,135	155,262	53.3	15,607	2,625,220	49.9
Corn for grain (bushels)	17,927	6,103,769	180.0	20,984	7,053,000	6,435,486	150.0	308,849	66,656,287	144.3
Corn for silage or greenchop (tons)	8,173	1,369,278	24.8	1,491	128,010	164,203	17.0	74,653	4,318,170	15.1
Cotton, all (bales)	4,256	2,046,094	2.5	4,520	1,989,516	2,243,148	1.8	9,829	4,214,480	1.5
Upland cotton (bales)	3,937	1,757,941	2.5	4,518	1,986,997	2,242,895	1.8	9,831	4,214,733	1.5
Pima cotton (bales)	551	290,672	2.7	-	-	-	-	-	-	-
Dry edible beans, excluding limas (cwt)	2,275	317,193	22.6	181	36,310	50,432	16.5	3,780	1,051,614	15.9
Oats for grain (bushels)	1,304	67,948	83.7	316	10,266	15,560	63.4	40,938	1,415,375	58.1
Peanuts for nuts (pounds)	1,301	251,564	3,722.5	1,080	167,225	186,723	3,234.1	3,801	595,052	2,725.8
Rice (cwt)	6,084	2,758,792	72.0	-	-	-	-	-	-	-
Sorghum for grain (bushels)	2,092	443,599	86.9	2,391	401,615	670,030	74.7	21,759	5,254,590	69.2
Soybeans for beans (bushels)	7,007	2,175,069	45.3	13,326	3,062,006	3,396,716	40.8	258,777	55,282,030	40.2
Sugarbeets for sugar (tons)	1,535	387,224	30.0	60	7,451	20,424	24.2	2,427	838,718	23.4
Sugarcane for sugar (tons)	210	431,796	38.7	9	3,409	3,373	33.3	473	408,088	34.7
Tobacco (pounds)	1,516	40,413	2,370.7	1,056	31,166	40,014	2,199.4	13,662	248,254	2,118.6
Wheat for grain, all (bushels)	7,695	1,806,902	80.3	7,518	1,557,177	3,703,599	42.7	145,597	43,865,291	37.0
Winter wheat for grain (bushels)	5,789	1,251,920	74.9	6,880	1,402,128	3,254,355	43.3	123,434	29,877,566	38.5
Durum wheat for grain (bushels)	514	183,423	99.0	39	4,728	28,690	30.9	3,170	1,921,893	28.1
Other Spring wheat for grain (bushels)	2,082	422,183	87.2	599	99,697	244,124	34.8	26,052	12,242,262	34.9
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	64,530	8,201,313	(X)	21,477	2,063,440	2,422,510	(X)	783,527	48,768,220	(X)
Alfalfa hay (tons, dry)	47,788	5,746,037	4.9	8,602	810,615	841,066	3.3	234,336	12,846,779	2.5
Small grain hay (tons, dry)	7,837	595,521	3.1	2,008	111,004	126,772	2.5	60,758	3,033,424	1.9
Tame hay other than alfalfa, small grain, and wild hay (tons, dry)	17,233	1,367,339	2.9	7,115	332,525	490,481	2.6	472,392	24,573,627	2.0
Wild hay (tons, dry)	4,265	751,651	1.4	1,728	116,164	141,107	1.4	119,550	6,236,891	1.4
Haylage or greenchop from alfalfa or alfalfa mixtures (tons, green)	2,477	341,176	7.6	703	52,489	74,586	7.6	37,768	2,946,019	6.5
All other haylage, grass silage, and greenchop (tons, green)	2,940	354,134	11.7	686	51,564	56,042	9.3	29,931	1,618,916	4.5
Land in vegetables (see text)	23,119	2,746,319	(X)	6,766	322,166	292,378	(X)	39,287	996,017	(X)
Land in orchards (see text)	54,587	3,825,311	(X)	6,602	156,005	140,608	(X)	54,746	917,552	(X)
Land in berries (see text)	9,910	151,581	(X)	1,600	24,987	26,651	(X)	13,507	58,514	(X)

Table 33. **Specified Crops by Acres Harvested: 2007 and 2002**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007					2002				
	Farms	Acres	Quantity	Irrigated land		Farms	Acres	Quantity	Irrigated land	
				Farms	Acres				Farms	Acres
FIELD CROPS										
Barley for grain (bushels)	19,848	3,521,957	207,089,232	4,241	741,475	24,747	4,015,654	214,800,035	4,979	890,241
1 to 14 acres	3,785	28,944	1,752,290	434	3,377	5,231	39,484	2,253,081	471	3,878
15 to 24 acres	1,957	37,018	2,239,714	366	6,874	2,713	50,718	2,959,106	454	8,376
25 to 49 acres	2,546	87,411	5,343,395	597	19,704	3,416	117,814	6,866,062	764	26,019
50 to 99 acres	2,859	197,092	12,092,789	841	54,506	3,424	236,007	13,185,406	935	61,068
100 to 249 acres	4,469	706,873	41,637,978	1,046	147,419	5,190	810,928	43,031,002	1,223	172,138
250 to 499 acres	2,552	880,342	51,998,017	529	156,148	2,837	975,506	51,407,513	592	180,921
500 to 999 acres	1,209	795,084	48,238,423	285	164,008	1,426	926,625	49,240,051	349	195,626
1,000 acres or more	471	789,193	43,786,626	143	189,439	510	858,572	45,857,814	191	242,215
1,000 to 1,999 acres	351	451,803	25,843,018	94	96,307	387	495,594	27,203,262	134	135,660
2,000 to 2,999 acres	82	189,571	9,382,712	32	45,387	78	187,504	9,799,687	34	58,414
3,000 to 4,999 acres	33	119,526	6,633,457	15	(D)	40	149,814	7,443,417	21	(D)
5,000 acres or more	5	28,293	1,927,439	2	(D)	5	25,660	1,411,448	2	(D)
Canola (pounds)	3,123	1,149,682	1,418,549,887	104	13,535	3,831	1,208,251	1,446,267,120	79	8,925
1 to 14 acres	87	607	637,246	26	(D)	92	611	592,929	14	62
15 to 24 acres	30	571	687,688	3	46	42	784	897,870	3	50
25 to 49 acres	95	3,489	3,815,356	8	(D)	168	6,347	6,529,020	12	457
50 to 99 acres	305	21,977	24,460,843	12	735	471	34,363	34,949,836	14	909
100 to 249 acres	967	158,144	189,765,755	35	4,838	1,336	218,596	238,385,036	24	3,134
250 to 499 acres	896	316,782	387,932,771	14	3,150	997	342,840	403,844,616	5	1,633
500 to 999 acres	538	361,931	458,286,436	4	2,071	558	369,797	464,778,697	7	2,680
1,000 acres or more	205	286,181	352,963,792	2	(D)	167	234,913	296,289,116	-	-
Corn for grain (bushels)	347,760	86,248,542	12,738,519,330	38,911	13,156,769	348,590	68,230,523	8,613,061,814	34,278	9,709,872
1 to 14 acres	43,443	321,984	33,542,995	1,361	7,627	46,054	343,504	28,692,851	1,269	7,815
15 to 24 acres	24,565	464,222	50,766,917	859	14,331	26,655	504,470	45,370,212	864	14,941
25 to 49 acres	44,923	1,592,019	188,266,152	2,041	67,150	48,092	1,702,631	173,459,715	2,179	71,532
50 to 99 acres	56,749	3,983,761	510,979,422	4,129	255,120	60,638	4,249,032	476,455,129	4,225	265,788
100 to 249 acres	78,166	12,420,682	1,705,815,656	9,218	1,196,628	82,483	13,012,959	1,565,808,118	9,218	1,223,318
250 to 499 acres	50,807	17,773,739	2,586,255,887	8,429	2,146,928	48,540	16,826,251	2,142,549,203	7,760	2,066,141
500 to 999 acres	32,731	22,235,236	3,379,896,951	7,564	3,594,028	27,226	18,108,418	2,382,963,487	5,999	2,933,165
1,000 acres or more	16,376	27,456,899	4,282,995,350	5,310	5,874,957	8,902	13,483,258	1,797,763,099	2,764	3,127,172
1,000 to 1,999 acres	12,852	16,873,615	2,619,062,466	3,932	3,368,469	7,557	9,622,218	1,281,012,933	2,221	2,020,806
2,000 to 2,999 acres	2,309	5,421,247	845,597,953	918	1,349,090	965	2,233,269	299,890,161	374	597,430
3,000 to 4,999 acres	982	3,563,268	564,045,708	360	764,561	313	1,122,753	150,014,749	134	339,238
5,000 acres or more	233	1,598,769	254,289,223	100	392,837	67	505,018	66,845,256	35	169,698
Corn for silage or greenchop (tons)	84,317	5,979,661	104,224,795	9,664	1,497,288	103,621	6,683,995	97,132,738	11,597	1,453,708
1 to 14 acres	19,418	158,923	2,335,788	744	5,562	23,846	193,745	2,600,339	979	7,787
15 to 24 acres	14,789	277,358	4,304,808	838	14,588	17,934	337,529	4,631,949	1,056	18,734
25 to 49 acres	19,610	668,177	10,156,020	1,667	54,092	25,171	859,347	11,682,753	2,166	69,882
50 to 99 acres	15,268	1,009,691	15,801,321	2,085	130,568	19,096	1,265,960	17,045,986	2,618	164,353
100 to 249 acres	10,855	1,563,336	26,414,390	2,570	355,342	13,014	1,869,092	26,639,688	3,121	432,008
250 to 499 acres	2,859	956,488	17,867,678	1,052	328,030	3,241	1,076,055	16,742,862	1,092	336,613
500 to 999 acres	1,132	738,511	14,844,631	484	295,205	1,050	679,648	11,011,856	436	253,455
1,000 acres or more	386	607,177	12,500,159	224	313,901	269	402,619	6,777,305	129	170,876
Cotton, all (bales)	18,605	10,493,238	18,898,128	8,776	4,035,610	24,805	12,456,162	17,145,345	11,006	4,802,024
1 to 14 acres	522	4,349	6,375	125	952	727	5,825	6,831	150	1,116
15 to 24 acres	439	8,518	12,875	94	1,663	677	13,011	15,702	139	2,435
25 to 49 acres	1,098	39,981	61,851	341	11,101	1,749	63,047	77,194	437	14,181
50 to 99 acres	1,945	137,857	220,098	690	42,952	2,748	194,734	242,528	901	58,771
100 to 249 acres	3,886	634,558	1,115,426	1,680	229,649	5,472	892,804	1,181,363	2,286	321,808
250 to 499 acres	3,738	1,340,540	2,355,916	1,748	493,243	4,997	1,786,124	2,506,757	2,467	724,082
500 to 999 acres	3,758	2,612,262	4,679,699	1,977	969,882	4,977	3,473,421	4,694,362	2,596	1,343,561
1,000 acres or more	3,219	5,715,173	10,445,888	2,121	2,286,168	3,458	6,027,196	8,420,608	2,030	2,336,070
1,000 to 1,999 acres	2,385	3,220,808	5,790,351	1,519	1,228,612	2,672	3,548,946	4,680,706	1,529	1,315,244
2,000 to 2,999 acres	575	1,343,157	2,440,028	407	534,317	526	1,226,991	1,740,816	322	472,496
3,000 to 4,999 acres	214	764,905	1,408,763	160	325,340	201	743,917	1,097,938	140	296,625
5,000 acres or more	45	386,303	806,746	35	197,899	59	507,342	901,148	39	251,705
Upland cotton (bales)	18,286	10,202,566	18,098,998	8,455	3,744,938	24,606	12,223,770	16,529,672	10,807	4,569,632
1 to 14 acres	505	4,187	6,027	108	790	699	5,636	6,553	122	927
15 to 24 acres	442	8,582	13,092	97	1,727	676	13,004	15,686	138	2,428
25 to 49 acres	1,097	39,975	62,108	340	11,076	1,739	62,673	76,711	427	13,807
50 to 99 acres	1,922	135,994	215,540	667	41,089	2,741	194,048	241,888	894	58,085
100 to 249 acres	3,818	622,466	1,083,443	1,610	217,304	5,467	891,484	1,184,552	2,281	320,488
250 to 499 acres	3,683	1,318,898	2,297,778	1,693	471,497	4,953	1,769,827	2,468,832	2,423	707,785
500 to 999 acres	3,661	2,543,552	4,493,017	1,880	900,384	4,927	3,437,243	4,597,285	2,546	1,307,383
1,000 acres or more	3,158	5,528,912	9,927,993	2,060	2,101,071	3,404	5,849,855	7,938,165	1,976	2,158,729
1,000 to 1,999 acres	2,335	3,151,660	5,610,057	1,469	1,160,628	2,631	3,493,546	4,522,987	1,488	1,259,844
2,000 to 2,999 acres	571	1,333,106	2,416,916	403	524,266	518	1,207,379	1,688,172	314	452,884
3,000 to 4,999 acres	210	751,971	1,366,496	156	312,406	199	737,517	1,075,888	138	290,225
5,000 acres or more	42	292,175	534,524	32	103,771	56	411,413	651,118	36	155,776
Pima cotton (bales)	551	290,672	799,130	551	290,672	524	232,392	615,673	524	232,392
1 to 14 acres	29	239	491	29	239	49	363	692	49	363
15 to 24 acres	8	155	401	8	155	16	304	661	16	304
25 to 49 acres	31	1,105	2,590	31	1,105	47	1,685	3,579	47	1,685
50 to 99 acres	76	5,607	13,975	76	5,607	69	5,040	11,654	69	5,040
100 to 249 acres	151	23,697	63,809	151	23,697	137	22,800	60,490	137	22,800
250 to 499 acres	121	43,309	117,916	121	43,309	120	41,595	108,574	120	41,595
500 to 999 acres	89	59,944	160,710	89	59,944	63	42,500	118,212	63	42,500
1,000 acres or more	46	156,616	439,238	46	156,616	23	118,105	311,811	23	118,105
1,000 to 1,999 acres	38	49,320	126,349	38	49,320	16	19,645	52,699	16	19,645
2,000 to 2,999 acres	2	(D)	(D)	2	(D)	4	(D)	(D)	4	(D)
3,000 to 4,999 acres	3	(D)	(D)	3	(D)	1	(D)	(D)	1	(D)
5,000 acres or more	3	92,677	268,120	3	92,677	2	(D)	(D)	2	(D)
Dry edible beans, excluding limas (cwt)	6,236	1,455,549	25,353,900	2,456	353,503	8,647	1,691,775	29,687,475	3,858	581,595
1 to 14 acres	551	2,715	52,443	347	1,528	657	4,056	72,511	275	1,842
15 to 24 acres	267	5,147	97,375	124	2,369	417	8,123	158,745	216	4,178
25 to 49 acres	651	23,339	449,735	329	11,834	1,128	40,652	780,251	549	19,785
50 to 99 acres	1,058	74,470	1,480,204	470	32,175	1,703	119,127	2,310,838	894	61,586
100 to 249 acres	1,856	296,050	5,411,031	741	109,356	2,564	406,069	7,470,897	1,202	182,557
250 to 499 acres	1,066	369,608	6,296,771	267	81,060	1,398	472,969	8,090,902	503	156,322
500 to 999 acres	597	391,148	6,585,781	136	69,244	617	403,176	6,791,789	170	89,245
1,000 to 1,999 acres	157	201,061	3,431,030	33	28,969	142	179,323	2,955,315	36	32,738
2,000 acres or more	33	92,011	1,549,530	9	16,968	21	58,280	1,056,227	13	33,342

See footnote(s) at end of table.

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Table 33. **Specified Crops by Acres Harvested: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007					2002				
	Farms	Acres	Quantity	Irrigated land		Farms	Acres	Quantity	Irrigated land	
				Farms	Acres				Farms	Acres
FIELD CROPS - Con.										
Dry edible peas (cwt)	3,048	848,874	17,260,031	232	15,502	1,547	281,871	4,780,492	153	11,644
1 to 14 acres	144	800	14,289	30	137	195	945	12,589	19	138
15 to 24 acres	65	1,232	24,358	27	488	69	1,326	18,105	20	379
25 to 49 acres	227	8,225	173,244	50	1,705	145	5,382	93,072	36	1,247
50 to 99 acres	452	32,511	629,608	58	3,938	265	18,767	329,018	34	2,162
100 to 249 acres	961	156,886	3,221,953	52	6,135	487	75,761	1,292,838	31	4,084
250 to 499 acres	714	249,947	5,099,685	11	1,514	280	95,589	1,585,156	8	2,256
500 to 999 acres	386	254,240	5,259,439	3	(D)	91	61,249	999,565	4	(D)
1,000 acres or more	99	145,033	2,837,455	1	(D)	15	22,852	450,149	1	(D)
Flaxseed (bushels)	1,698	347,309	5,722,192	11	608	3,010	641,288	10,738,434	4	302
1 to 14 acres	50	370	5,214	2	(D)	59	517	6,729	-	-
15 to 24 acres	41	782	11,948	4	69	71	1,339	19,021	-	-
25 to 49 acres	122	4,305	62,261	1	(D)	242	8,867	127,432	-	-
50 to 99 acres	309	22,381	348,123	-	-	533	38,776	614,195	2	(D)
100 to 249 acres	704	112,097	1,885,845	1	(D)	1,195	187,496	3,028,914	2	(D)
250 to 499 acres	338	111,498	1,897,308	3	344	665	224,549	3,904,051	-	-
500 to 999 acres	121	76,607	1,231,124	-	-	216	138,284	2,334,822	-	-
1,000 acres or more	13	19,269	280,369	-	-	29	41,460	703,270	-	-
Hops (pounds)	68	31,145	60,668,474	68	31,145	94	(D)	(D)	94	(D)
Lentils (cwt)	811	301,132	3,724,878	8	1,202	647	198,997	2,448,940	6	881
Mint for oil, all (pounds of oil)	341	89,783	8,694,739	295	77,973	519	108,798	9,919,641	418	92,504
Oats for grain (bushels)	42,558	1,509,149	89,508,669	1,620	78,214	63,763	1,996,916	109,840,449	1,948	96,150
1 to 14 acres	18,582	144,404	8,394,047	461	3,131	28,277	223,200	12,991,557	596	(D)
15 to 24 acres	8,462	157,185	9,457,847	297	4,628	13,322	247,451	14,694,621	329	5,453
25 to 49 acres	7,839	262,804	15,662,195	323	9,950	12,111	405,505	23,451,508	380	11,124
50 to 99 acres	4,328	285,306	16,993,885	278	15,738	6,177	403,292	21,715,374	347	20,682
100 to 249 acres	2,643	373,096	21,947,932	201	23,734	3,202	444,623	22,554,896	216	26,132
250 to 499 acres	552	180,201	10,723,647	40	9,548	537	172,042	9,039,442	68	19,742
500 to 999 acres	135	83,995	5,110,885	17	8,770	114	69,613	3,529,088	10	5,103
1,000 acres or more	17	22,158	1,218,231	3	2,715	23	31,190	1,863,963	2	(D)
Peanuts for nuts (pounds)	6,182	1,200,564	3,703,138,887	2,381	418,789	8,640	1,223,093	3,137,586,781	2,900	462,620
1 to 14 acres	545	3,381	6,984,645	112	504	1,457	9,987	17,996,880	173	857
15 to 24 acres	370	7,105	18,368,093	80	1,414	801	15,144	31,902,966	136	2,402
25 to 49 acres	746	26,176	68,920,960	201	6,370	1,329	46,751	103,055,430	311	9,775
50 to 99 acres	1,163	80,422	238,769,085	395	23,484	1,602	108,501	259,930,075	582	33,939
100 to 249 acres	1,886	293,820	895,735,202	807	100,231	2,034	312,310	785,984,133	928	121,035
250 to 499 acres	920	307,824	980,417,597	473	109,336	952	316,923	831,211,798	491	129,683
500 to 999 acres	423	285,000	886,665,535	243	105,836	349	228,731	608,883,151	211	92,960
1,000 acres or more	129	196,836	607,277,770	70	71,614	116	184,746	498,622,348	68	71,969
Pineapples harvested (tons)	42	(D)	(D)	20	(D)	34	10,211	314,626	12	9,759
Popcorn (pounds, shelled)	968	201,623	860,878,543	377	93,204	1,701	309,879	945,158,986	545	117,002
1 to 14 acres	214	658	1,674,122	23	66	309	1,226	2,167,522	17	54
15 to 24 acres	23	427	1,145,762	3	60	74	1,412	2,741,659	13	235
25 to 49 acres	72	2,685	10,618,086	23	810	163	5,853	14,598,058	43	1,492
50 to 99 acres	134	9,572	35,195,389	43	2,885	295	21,022	59,225,081	100	6,866
100 to 249 acres	266	42,992	179,362,481	145	21,778	497	78,569	241,850,897	212	30,598
250 to 499 acres	158	54,064	231,431,081	86	25,870	205	69,387	216,022,743	88	24,881
500 to 999 acres	73	49,998	214,456,485	36	20,838	124	(D)	258,661,369	51	28,981
1,000 acres or more	28	41,227	186,995,137	18	20,897	34	(D)	149,891,657	21	23,895
Proso millet (bushels)	1,528	542,108	17,333,479	127	12,552	1,250	282,664	3,810,986	108	9,961
1 to 14 acres	35	226	4,724	7	(D)	42	235	4,977	8	(D)
15 to 24 acres	33	609	17,373	2	(D)	42	780	15,895	6	118
25 to 49 acres	107	3,938	113,440	18	565	141	4,940	90,943	16	580
50 to 99 acres	215	15,211	464,964	30	1,748	254	17,745	266,762	20	1,235
100 to 249 acres	458	72,031	2,179,379	31	3,887	406	63,936	925,638	36	4,349
250 to 499 acres	340	119,952	3,625,530	21	2,397	225	78,924	1,171,383	9	1,400
500 to 999 acres	221	149,630	4,963,734	12	2,906	110	75,837	857,470	12	2,114
1,000 acres or more	119	180,511	5,964,335	6	1,005	30	40,267	477,918	1	(D)
Rice (cwt)	6,084	2,758,792	198,538,690	6,084	2,758,792	8,046	3,197,641	210,358,014	8,046	3,197,641
1 to 14 acres	61	503	30,346	61	503	120	1,039	59,136	120	1,039
15 to 24 acres	71	1,402	88,363	71	1,402	143	2,721	142,753	143	2,721
25 to 49 acres	338	12,268	865,389	338	12,268	469	17,033	992,384	469	17,033
50 to 99 acres	577	41,501	2,841,512	577	41,501	770	55,170	3,413,438	770	55,170
100 to 249 acres	1,459	246,020	17,307,378	1,459	246,020	2,214	371,716	24,352,037	2,214	371,716
250 to 499 acres	1,616	569,073	41,071,480	1,616	569,073	2,199	775,819	51,409,270	2,199	775,819
500 to 999 acres	1,346	892,471	64,295,581	1,346	892,471	1,504	1,001,665	65,518,769	1,504	1,001,665
1,000 acres or more	616	995,554	72,038,641	616	995,554	627	972,478	64,470,228	627	972,478
1,000 to 1,999 acres	487	642,135	45,843,949	487	642,135	522	666,999	44,763,159	522	666,999
2,000 to 2,999 acres	88	207,880	15,206,256	88	207,880	75	174,125	11,696,225	75	174,125
3,000 to 4,999 acres	40	(D)	(D)	40	(D)	24	87,242	5,545,571	24	87,242
5,000 acres or more	1	(D)	(D)	1	(D)	6	44,112	2,465,273	6	44,112
Rye for grain (bushels)	5,160	267,361	6,652,604	210	10,832	7,344	285,366	7,253,118	269	14,057
1 to 14 acres	2,164	14,161	450,454	45	216	3,649	23,809	740,907	82	307
15 to 24 acres	790	14,729	402,723	32	434	1,096	20,226	553,746	32	357
25 to 49 acres	908	30,938	804,309	36	767	1,182	39,540	1,029,255	45	1,010
50 to 99 acres	583	38,254	1,038,127	35	1,394	732	47,516	1,195,947	48	1,982
100 to 249 acres	494	70,898	1,714,581	44	4,307	528	75,452	1,909,661	48	4,726
250 to 499 acres	163	54,914	1,238,949	14	2,676	102	33,919	832,878	9	2,015
500 to 999 acres	46	27,981	627,841	3	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
1,000 acres or more	12	15,486	375,620	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Safflower (pounds)	766	164,003	203,814,924	250	37,787	878	182,292	270,105,054	264	52,199
1 to 14 acres	31	214	207,853	16	101	82	432	371,374	12	75
15 to 24 acres	21	376	467,219	14	(D)	31	626	853,626	10	194
25 to 49 acres	54	2,006	2,683,992	28	943	80	2,975	4,244,704	30	958
50 to 99 acres	137	9,766	12,522,541	44	2,962	149	10,339	16,801,468	60	4,088
100 to 249 acres	294	46,516	63,923,397	94	13,454	296	46,641	69,698,999	81	10,919
250 to 499 acres	164	55,708	74,885,461	42	12,835	154	53,733	82,778,678	39	12,293

See footnote(s) at end of table.

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Table 33. **Specified Crops by Acres Harvested: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007					2002				
	Farms	Acres	Quantity	Irrigated land		Farms	Acres	Quantity	Irrigated land	
				Farms	Acres				Farms	Acres
FIELD CROPS - Con.										
Safflower (pounds) - Con.										
500 to 999 acres	56	37,492	39,510,926	10	5,335	(NA)	(NA)	(NA)	(NA)	(NA)
1,000 acres or more	9	11,925	9,613,535	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum for grain (bushels)	26,242	6,769,834	482,452,865	4,483	845,214	33,172	6,755,326	333,485,523	4,300	705,103
1 to 14 acres	1,294	10,456	611,767	140	905	1,945	15,171	711,580	142	979
15 to 24 acres	1,315	25,353	1,529,893	123	1,947	2,020	38,800	1,901,458	166	2,735
25 to 49 acres	3,326	119,310	7,892,012	346	10,226	4,842	172,632	8,414,975	421	12,834
50 to 99 acres	5,009	354,093	24,848,005	626	36,016	6,836	476,601	23,786,198	735	41,877
100 to 249 acres	7,302	1,150,289	83,478,849	1,346	156,650	9,520	1,481,653	74,590,912	1,337	155,943
250 to 499 acres	4,377	1,511,136	109,895,106	966	207,968	4,789	1,640,241	84,217,841	823	176,294
500 to 999 acres	2,443	1,641,274	119,368,881	645	227,722	2,375	1,581,392	78,626,939	484	177,968
1,000 acres or more	1,176	1,957,923	134,828,352	291	203,780	845	1,348,836	61,235,620	192	136,473
1,000 to 1,999 acres	937	1,244,316	86,693,096	232	137,133	700	892,728	41,773,417	163	93,475
2,000 to 2,999 acres	168	397,214	26,210,215	47	39,105	95	222,285	9,464,532	19	27,248
3,000 to 4,999 acres	59	212,015	14,822,365	11	(D)	38	140,572	5,926,087	9	(D)
5,000 acres or more	12	104,378	7,102,676	1	(D)	12	93,251	4,071,584	1	(D)
Sorghum for silage or greenchop (tons)	5,625	450,041	5,763,450	1,163	170,742	7,042	406,031	3,904,834	1,103	98,016
1 to 14 acres	1,347	10,118	84,162	64	443	2,112	14,902	116,732	112	847
15 to 24 acres	834	15,619	154,640	99	1,575	1,132	21,344	171,026	142	2,369
25 to 49 acres	1,172	40,110	431,197	176	5,589	1,535	52,349	452,902	246	7,586
50 to 99 acres	1,048	69,395	751,191	272	16,556	1,155	76,878	682,591	255	15,481
100 to 249 acres	849	124,665	1,477,304	322	44,040	848	120,077	1,194,124	240	30,852
250 to 499 acres	257	87,206	1,223,397	151	45,939	185	61,880	657,027	72	19,636
500 to 999 acres	87	57,081	943,719	56	30,586	(NA)	(NA)	(NA)	(NA)	(NA)
1,000 acres or more	31	45,847	697,840	23	26,014	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans for beans (bushels)	279,110	63,915,821	2,582,423,697	20,333	5,237,075	317,611	72,399,844	2,707,719,216	22,852	5,460,192
1 to 14 acres	19,755	168,726	6,016,303	282	1,803	20,698	181,912	5,738,536	313	2,094
15 to 24 acres	18,703	358,638	12,828,026	397	6,286	21,290	407,567	13,385,144	479	7,916
25 to 49 acres	39,453	1,410,843	53,168,014	1,209	35,981	44,509	1,588,337	54,595,467	1,320	41,552
50 to 99 acres	51,482	3,627,583	145,072,555	2,527	142,035	58,785	4,136,836	150,656,410	3,036	175,804
100 to 249 acres	70,698	11,281,858	464,265,830	5,657	643,553	81,993	13,039,146	489,589,238	6,540	771,100
250 to 499 acres	44,381	15,444,692	642,969,207	4,797	1,061,985	50,973	17,737,396	682,423,159	5,353	1,210,979
500 to 999 acres	25,097	16,830,023	686,573,369	3,383	1,368,371	28,978	19,378,369	738,554,858	3,846	1,544,605
1,000 acres or more	9,541	14,793,458	571,530,393	2,081	1,977,061	10,385	15,930,281	572,776,404	1,965	1,706,142
1,000 to 1,999 acres	7,905	10,183,238	397,841,512	1,615	1,228,641	8,727	11,269,228	410,382,670	1,541	1,102,101
2,000 to 2,999 acres	1,163	2,702,212	102,073,492	308	405,123	1,216	2,804,383	98,150,869	294	358,859
3,000 to 4,999 acres	399	1,418,465	54,222,674	140	295,305	357	1,282,157	44,293,693	113	206,000
5,000 acres or more	74	489,543	17,392,715	18	47,992	85	574,513	19,949,172	17	39,182
Sugarbeets for sugar (tons)	4,022	1,253,817	31,937,325	1,595	394,675	5,027	1,365,769	27,793,126	2,087	471,556
1 to 14 acres	46	330	8,597	27	165	122	1,035	20,994	66	579
15 to 24 acres	85	1,673	42,746	43	843	162	3,128	64,880	71	1,382
25 to 49 acres	302	10,928	273,928	151	5,514	426	15,236	313,767	213	7,576
50 to 99 acres	590	42,655	1,113,377	304	21,906	834	58,960	1,233,726	416	29,432
100 to 249 acres	1,274	209,350	5,420,524	549	88,403	1,567	253,373	5,283,507	705	109,439
250 to 499 acres	1,004	355,048	8,792,618	316	101,865	1,175	407,519	8,235,580	401	131,680
500 to 999 acres	540	355,078	8,892,447	143	85,825	582	385,592	7,631,363	156	99,853
1,000 to 1,999 acres	159	204,053	5,374,872	55	67,234	139	178,416	3,707,172	47	57,413
2,000 acres or more	22	74,702	2,018,216	7	22,920	20	62,510	1,302,137	12	34,202
Sugarcane for sugar (tons)	692	846,666	31,127,405	219	435,205	953	978,393	35,319,767	276	496,608
1 to 14 acres	50	341	10,621	22	60	44	303	9,964	4	24
15 to 24 acres	21	393	11,446	3	55	25	475	15,823	-	-
25 to 49 acres	40	1,322	45,896	10	351	56	2,001	67,533	14	471
50 to 99 acres	38	2,631	92,837	19	1,316	78	6,037	222,413	34	2,567
100 to 249 acres	81	13,571	464,091	52	8,449	130	20,343	743,968	67	10,295
250 to 499 acres	96	34,638	1,191,447	35	12,535	171	61,740	2,021,210	60	20,314
500 to 999 acres	157	111,896	3,821,781	22	13,903	229	164,983	5,456,943	39	24,597
1,000 to 1,999 acres	121	167,308	5,792,840	20	25,596	138	190,938	6,227,200	14	17,891
2,000 acres or more	88	514,566	19,696,446	36	372,940	82	531,573	20,554,713	44	420,449
Sunflower seed, all (pounds)	6,403	2,000,153	2,820,962,445	608	102,219	7,506	1,833,435	2,042,510,240	571	70,363
1 to 14 acres	366	1,909	1,529,163	51	217	852	3,564	2,407,073	88	245
15 to 24 acres	136	2,573	2,343,956	12	184	197	3,764	3,347,333	17	322
25 to 49 acres	319	11,504	12,737,481	30	1,023	484	17,701	17,507,863	60	1,803
50 to 99 acres	834	60,650	77,839,974	98	6,203	1,115	79,074	83,047,463	127	7,863
100 to 249 acres	2,110	340,685	471,038,872	235	32,525	2,402	382,929	420,295,060	178	24,429
250 to 499 acres	1,494	519,809	740,639,472	106	27,138	1,482	506,985	573,929,954	71	17,484
500 to 999 acres	824	543,516	762,024,834	57	18,265	728	475,024	536,253,488	23	10,036
1,000 acres or more	320	519,507	752,808,693	19	16,664	246	364,394	405,722,006	7	8,181
Sunflower seed - oil varieties (pounds)	5,501	1,710,057	2,443,486,848	415	73,297	6,286	1,500,828	1,694,628,777	394	46,709
1 to 14 acres	255	1,405	1,081,603	28	122	573	2,454	1,589,983	52	127
15 to 24 acres	122	2,319	2,090,705	9	141	172	3,328	2,988,903	11	215
25 to 49 acres	274	9,845	10,881,758	16	536	424	15,658	15,580,200	39	1,175
50 to 99 acres	730	53,436	68,343,009	68	4,211	1,020	72,291	75,722,132	99	6,065
100 to 249 acres	1,840	298,115	415,936,903	164	22,668	2,088	332,133	367,512,945	124	16,703
250 to 499 acres	1,326	458,829	657,943,701	77	19,340	1,228	418,920	478,520,058	49	11,653
500 to 999 acres	691	456,658	650,240,441	40	13,460	597	388,208	444,455,501	14	4,817
1,000 acres or more	263	429,450	636,968,728	13	12,819	184	267,836	308,259,055	6	5,954
Sunflower seed - non-oil varieties (pounds)	1,135	290,096	377,475,597	206	28,922	1,477	332,607	347,881,463	193	23,654
1 to 14 acres	119	560	527,002	26	97	300	1,142	831,595	41	120
15 to 24 acres	18	328	350,570	4	47	36	642	565,763	7	127
25 to 49 acres	62	2,263	2,625,932	13	481	77	2,754	2,844,867	21	(D)
50 to 99 acres	152	10,815	13,855,510	37	2,460	166	11,986	12,884,906	38	2,417
100 to 249 acres	408	64,563	83,361,280	88	11,762	440	71,796	77,020,108	59	8,526
250 to 499 acres	216	73,995	100,202,803	21	6,587	294	100,023	110,342,991	19	5,872
500 to 999 acres	115	73,034	95,057,509	11	3,643	121	78,139	77,573,336	7	3,737
1,000 acres or more	45	64,538	81,494,991	6	3,845	43	66,125	65,817,897	1	(D)
Tobacco (pounds)	16,234	359,846	778,301,825	2,572	71,578	56,977	428,631	873,350,412	5,923	97,355
0.1 to 0.9 acres	235	127	273,459	15	7	9,519	5,066	8,943,748	307	160
1.0 to 1.9 acres	1,493	1,739	3,625,099	69	76	14,323	16,809	29,107,690	577	667
2.0 to 2.9 acres	1,827	3,865	7,983,071	103	216	8,618	18,471	32,184,289	534	1,079
3.0 to 4.9 acres	2,772	9,835	20,444,753	220	688	8,239	28,871	54,281,198	747	2,442

See footnote(s) at end of table.

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Table 33. **Specified Crops by Acres Harvested: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007					2002				
	Farms	Acres	Quantity	Irrigated land		Farms	Acres	Quantity	Irrigated land	
				Farms	Acres				Farms	Acres
FIELD CROPS - Con.										
Tobacco (pounds) - Con.										
5.0 to 9.9 acres	3,459	22,642	49,649,665	405	2,438	7,157	45,973	90,523,753	1,057	6,133
10.0 to 24.9 acres	3,129	45,747	99,386,489	610	7,366	5,099	74,807	153,115,742	1,246	15,818
25.0 to 49.9 acres	1,343	45,743	100,047,433	410	10,606	2,201	74,689	158,705,669	745	21,126
50.0 to 74.9 acres	699	41,163	88,471,744	282	11,763	954	56,337	118,486,949	355	17,065
75.0 to 99.9 acres	406	34,150	73,500,622	141	7,681	342	28,567	61,227,015	136	8,847
100.0 acres or more	871	154,835	334,919,490	317	30,738	525	79,042	166,774,359	219	24,019
100.0 to 249.9 acres	738	106,634	229,521,335	273	23,915	482	64,288	138,116,090	202	20,152
250.0 acres or more	133	48,201	105,398,155	44	6,823	43	14,754	28,658,269	17	3,867
Wheat for grain, all (bushels)	160,810	50,932,969	1,993,648,378	15,213	3,364,079	169,528	45,519,976	1,577,005,140	13,330	2,910,181
1 to 14 acres	13,795	117,426	5,569,894	564	4,290	19,232	161,776	7,471,665	560	4,377
15 to 24 acres	12,908	245,624	11,721,223	544	9,488	15,781	299,989	14,223,702	614	10,722
25 to 49 acres	22,584	792,718	37,195,636	1,252	40,328	25,174	881,306	40,923,128	1,333	43,231
50 to 99 acres	26,825	1,857,801	83,681,696	2,153	129,629	27,384	1,890,287	82,690,685	2,054	127,838
100 to 249 acres	34,703	5,439,157	228,595,995	3,831	477,553	34,401	5,362,078	214,381,675	3,623	478,245
250 to 499 acres	21,167	7,412,051	291,347,790	2,723	620,383	21,018	7,344,223	264,661,912	2,372	594,823
500 to 999 acres	15,789	10,868,661	414,670,130	2,150	744,254	15,636	10,757,322	361,250,724	1,647	672,804
1,000 acres or more	13,039	24,199,531	920,866,014	1,996	1,338,154	10,902	18,822,995	591,401,649	1,127	978,141
1,000 to 1,999 acres	9,234	12,418,248	472,504,501	1,393	716,301	8,316	11,032,298	355,768,931	831	550,178
2,000 to 2,999 acres	2,403	5,625,869	213,983,781	374	313,685	1,685	3,962,016	119,302,451	167	165,920
3,000 to 4,999 acres	1,102	3,996,858	148,576,472	167	175,961	727	2,612,687	81,182,031	105	185,592
5,000 acres or more	300	2,158,556	85,801,260	62	132,207	174	1,215,994	35,148,236	24	76,451
Winter wheat for grain (bushels)	136,103	35,785,969	1,444,540,438	12,669	2,654,048	141,062	29,303,293	1,104,334,391	10,805	2,222,029
1 to 14 acres	12,937	110,034	5,240,347	447	3,349	18,360	154,598	7,203,358	441	3,365
15 to 24 acres	12,083	229,679	11,047,292	435	7,478	14,885	282,644	13,597,948	515	8,876
25 to 49 acres	20,704	726,633	34,494,781	1,020	32,332	23,216	811,096	38,518,819	1,102	35,197
50 to 99 acres	23,882	1,651,453	75,239,559	1,722	101,308	24,204	1,665,563	75,135,928	1,678	103,142
100 to 249 acres	29,775	4,642,675	197,895,038	3,140	378,149	28,593	4,426,126	184,929,317	2,933	378,681
250 to 499 acres	16,980	5,915,926	236,900,350	2,359	511,004	15,671	5,438,966	208,213,349	1,908	462,859
500 to 999 acres	11,447	7,819,647	302,457,298	1,854	597,682	10,261	6,995,987	251,693,334	1,382	529,626
1,000 acres or more	8,295	14,689,922	581,265,773	1,692	1,022,746	5,872	9,528,313	325,042,338	846	700,283
1,000 to 1,999 acres	6,138	8,173,443	317,363,189	1,214	569,369	4,731	6,185,494	214,592,308	654	416,292
2,000 to 2,999 acres	1,438	3,346,576	131,838,799	317	232,844	768	1,785,631	58,338,389	110	114,355
3,000 to 4,999 acres	565	2,045,090	82,019,791	113	116,561	316	1,108,032	36,608,474	67	110,336
5,000 acres or more	154	1,124,813	50,043,994	48	103,972	57	449,156	15,503,167	15	59,300
Durum wheat for grain (bushels)	3,723	2,138,734	73,201,303	553	188,151	5,325	2,717,841	81,170,077	683	210,670
1 to 14 acres	57	423	14,027	8	66	54	388	20,335	18	146
15 to 24 acres	36	683	24,708	6	115	52	1,001	29,438	4	82
25 to 49 acres	142	5,117	217,768	34	1,204	188	6,833	268,454	42	1,484
50 to 99 acres	305	21,780	875,139	64	4,433	522	37,882	1,438,315	110	7,665
100 to 249 acres	920	150,949	6,475,693	201	31,401	1,463	240,257	8,287,325	234	37,440
250 to 499 acres	843	296,771	10,835,280	109	37,025	1,283	449,142	14,176,954	150	48,194
500 to 999 acres	770	523,982	17,926,619	88	48,785	1,002	682,306	19,982,657	79	46,693
1,000 acres or more	650	1,139,029	36,832,069	43	65,122	761	1,300,032	36,966,599	46	68,966
1,000 to 1,999 acres	463	615,189	20,152,371	31	37,530	566	747,480	21,581,303	33	39,310
2,000 to 2,999 acres	128	296,895	9,302,929	5	(D)	139	327,769	8,420,832	6	(D)
3,000 to 4,999 acres	51	179,087	6,036,755	6	15,468	50	180,601	5,341,962	6	(D)
5,000 acres or more	8	47,858	1,340,014	1	(D)	6	44,182	1,622,502	1	(D)
Other Spring wheat for grain (bushels)	28,733	13,008,266	475,906,637	2,681	521,880	30,333	13,498,842	391,500,672	2,581	477,482
1 to 14 acres	1,056	8,949	418,095	170	1,442	1,099	9,016	357,993	178	1,453
15 to 24 acres	1,066	20,491	914,204	173	3,155	1,087	21,034	856,185	172	3,157
25 to 49 acres	2,275	80,319	3,454,899	319	11,007	2,454	87,732	3,216,229	336	11,462
50 to 99 acres	3,745	263,773	11,148,646	532	34,229	3,836	269,765	9,486,598	466	30,553
100 to 249 acres	6,814	1,097,611	42,628,242	720	98,555	7,167	1,152,700	37,252,579	702	96,749
250 to 499 acres	5,462	1,931,494	72,526,455	351	96,134	5,849	2,062,034	62,641,108	350	96,564
500 to 999 acres	4,763	3,292,423	124,146,593	242	120,236	5,145	3,541,364	104,110,732	226	105,234
1,000 acres or more	3,552	6,313,206	220,669,503	174	157,122	3,696	6,355,197	173,579,248	151	132,310
1,000 to 1,999 acres	2,578	3,444,988	126,303,436	120	97,270	2,777	3,664,387	104,210,357	109	88,765
2,000 to 2,999 acres	641	1,494,451	51,043,379	35	39,742	619	1,446,910	37,350,108	27	22,625
3,000 to 4,999 acres	266	942,955	29,870,851	16	(D)	241	867,099	23,384,332	12	20,445
5,000 acres or more	67	430,812	13,451,837	3	(D)	59	376,801	8,634,451	3	475
HAY, FORAGE, AND FIELD AND GRASS SEEDS										
Field and grass seed crops, all	6,038	1,178,726	(X)	1,457	323,441	10,332	1,422,133	(X)	1,705	271,935
1 to 14 acres	935	7,194	(X)	179	1,176	1,790	13,475	(X)	219	1,420
15 to 24 acres	625	11,825	(X)	81	1,433	1,284	24,243	(X)	145	2,603
25 to 49 acres	1,108	38,410	(X)	171	5,846	2,019	70,110	(X)	253	8,265
50 to 99 acres	1,112	75,026	(X)	241	15,476	1,953	132,018	(X)	298	19,295
100 to 249 acres	1,151	177,868	(X)	309	43,838	1,942	287,754	(X)	364	48,686
250 to 499 acres	539	186,272	(X)	221	62,233	761	258,604	(X)	221	60,030
500 to 999 acres	329	222,836	(X)	135	63,071	381	253,190	(X)	132	66,982
1,000 to 1,999 acres	168	216,994	(X)	88	79,200	150	195,526	(X)	58	53,099
2,000 acres or more	71	242,301	(X)	32	51,168	52	187,213	(X)	15	11,555
Alfalfa seed (pounds)	806	121,467	62,115,239	569	102,958	1,234	110,617	58,020,460	740	87,177
1 to 14 acres	151	1,164	276,865	89	600	271	1,849	408,923	120	742
15 to 24 acres	70	1,299	458,533	40	764	160	3,001	844,766	73	1,395
25 to 49 acres	129	4,678	1,573,778	82	2,920	262	9,167	3,040,774	149	5,232
50 to 99 acres	152	10,012	3,834,193	109	7,229	227	15,651	6,406,686	139	9,791
100 to 249 acres	176	28,081	12,791,297	133	20,731	216	32,733	16,161,246	165	24,298
250 to 499 acres	81	27,452	14,780,871	71	23,385	66	22,813	15,868,054	64	22,023
500 to 999 acres	26	17,126	9,240,229	24	15,742	26	16,311	9,358,034	24	14,604
1,000 acres or more	21	31,655	19,159,473	21	31,587	6	9,092	5,931,977	6	9,092
Fescue seed (pounds)	2,917	386,122	303,243,394	272	39,930	5,172	565,691	323,023,498	280	34,491
1 to 14 acres	340	2,711	1,309,583	29	163	604	4,653	1,307,175	26	178
15 to 24 acres	330	6,210	1,890,775	13	256	593	11,239	3,190,030	20	334
25 to 49 acres	641	21,941	7,193,568	24	735	1,103	38,746	11,646,424	42	1,351
50 to 99 acres	619	41,642	17,654,843	50	3,048	1,167	77,723	26,610,399	41	2,232
100 to 249 acres	600	89,865	53,124,103	69	8,227	1,196	174,342	76,753,648	83	8,630
250 to 499 acres	238	79,098	68,083,337	55	11,494	356	116,775	74,213,767	44	10,214
500 to 999 acres	108	69,213	60,975,613	21	7,363	115	73,299	57,736,370	20	9,044
1,000 acres or more	41	75,442	93,011,572	11	8,644	38	68,914	71,565,685	4	2,508

See footnote(s) at end of table.

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Table 33. **Specified Crops by Acres Harvested: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007					2002				
	Farms	Acres	Quantity	Irrigated land		Farms	Acres	Quantity	Irrigated land	
				Farms	Acres				Farms	Acres
HAY, FORAGE, AND FIELD AND GRASS SEEDS - Con.										
Field and grass seed crops, all - Con.										
Ryegrass seed (pounds)	968	307,722	504,262,904	300	54,641	1,039	290,963	459,929,090	260	32,031
1 to 14 acres	119	878	851,619	24	170	162	1,216	840,390	34	235
15 to 24 acres	80	1,474	1,576,018	18	309	101	1,842	1,686,079	30	452
25 to 49 acres	113	3,990	4,830,208	38	1,263	133	4,681	5,416,305	28	714
50 to 99 acres	135	9,384	12,888,709	38	2,153	150	10,483	14,928,070	36	1,731
100 to 249 acres	211	34,540	49,924,030	66	6,681	200	32,719	49,386,699	59	6,332
250 to 499 acres	141	50,343	83,491,419	56	13,925	139	48,657	82,929,939	39	9,288
500 to 999 acres	106	71,439	116,473,401	39	13,427	86	59,493	97,611,612	20	6,818
1,000 to 1,999 acres	40	53,391	91,999,136	12	7,570	47	62,066	98,477,655	8	5,213
2,000 acres or more	23	82,283	142,228,364	9	9,143	21	69,806	108,652,341	6	1,248
Forage - land used for all hay and all haylage, grass silage, and greenchop (tons, dry equivalent) (see text)	869,534	61,455,483	155,393,762	86,007	10,264,753	884,831	64,041,337	154,976,932	81,995	10,269,779
1 to 14 acres	222,523	1,782,574	3,818,751	21,388	144,402	218,375	1,747,343	3,843,141	18,859	127,802
15 to 24 acres	145,010	2,696,092	5,660,375	9,771	163,838	144,703	2,699,068	5,810,867	8,757	146,004
25 to 49 acres	193,724	6,622,570	14,520,765	13,283	401,960	195,797	6,711,272	14,954,256	12,547	377,851
50 to 99 acres	151,549	10,130,109	23,508,354	13,260	772,849	157,359	10,537,846	24,972,881	12,970	755,302
100 to 249 acres	111,368	16,174,036	40,234,014	15,339	1,932,748	120,899	17,638,529	43,339,615	15,790	1,994,512
250 to 499 acres	30,370	10,110,738	26,403,785	7,313	1,989,174	32,307	10,784,457	25,904,827	7,312	2,013,840
500 to 999 acres	10,911	7,068,019	19,449,434	3,655	1,905,935	11,608	7,538,310	18,409,508	3,945	2,063,389
1,000 acres or more	4,079	6,871,345	21,798,283	1,998	2,953,847	3,783	6,384,514	17,741,837	1,815	2,791,079
1,000 to 1,999 acres	3,146	4,036,040	12,047,028	1,435	1,480,720	2,965	3,785,049	9,803,335	1,325	1,391,325
2,000 to 2,999 acres	592	1,351,348	4,389,818	328	608,012	499	1,141,046	3,125,682	277	485,977
3,000 to 4,999 acres	257	923,166	3,354,192	178	524,289	237	845,250	2,764,394	151	469,975
5,000 acres or more	84	560,791	2,007,244	57	340,826	82	613,169	2,048,426	62	443,802
Hay - All hay including alfalfa, other tame, small grain, and wild (tons, dry) (see text)	845,050	58,121,003	138,113,218	82,892	9,830,856	870,541	60,645,417	137,858,890	79,751	9,879,867
1 to 14 acres	218,869	1,754,377	3,761,311	20,633	139,708	216,413	1,742,671	3,761,564	18,392	125,495
15 to 24 acres	143,230	2,665,502	5,556,256	9,419	157,822	145,518	2,716,192	5,772,243	8,608	144,255
25 to 49 acres	191,435	6,546,731	14,087,807	12,933	390,762	197,362	6,765,296	14,763,055	12,434	375,523
50 to 99 acres	147,089	9,800,828	21,730,789	12,797	745,306	155,297	10,351,875	23,311,025	12,699	742,935
100 to 249 acres	102,489	14,836,986	34,489,730	14,704	1,857,264	112,385	16,284,045	37,005,660	15,211	1,939,565
250 to 499 acres	27,793	9,250,586	22,423,747	7,028	1,911,449	29,242	9,766,070	21,646,308	6,960	1,931,897
500 to 999 acres	10,249	6,653,151	16,810,404	3,463	1,796,953	10,719	6,959,480	15,766,440	3,730	1,974,291
1,000 acres or more	3,896	6,612,842	19,253,174	1,915	2,831,592	3,605	6,059,788	15,832,595	1,717	2,645,906
1,000 to 1,999 acres	2,991	3,850,115	10,628,439	1,377	1,425,396	2,825	3,598,909	8,712,178	1,253	1,323,555
2,000 to 2,999 acres	567	1,294,438	3,799,635	311	581,987	482	1,102,757	2,871,402	269	479,329
3,000 to 4,999 acres	254	909,079	3,007,423	171	495,038	222	790,347	2,447,283	139	435,009
5,000 acres or more	84	559,210	1,817,677	56	329,171	76	567,775	1,801,732	56	408,013
Alfalfa hay (tons, dry)	290,726	20,244,497	65,349,074	56,390	6,556,652	344,197	22,637,984	68,524,529	55,841	6,809,432
1 to 14 acres	92,193	686,330	1,719,458	14,118	96,318	104,748	791,913	2,043,824	12,484	87,396
15 to 24 acres	45,446	852,047	2,307,915	6,195	110,156	55,152	1,032,810	2,782,259	5,880	103,564
25 to 49 acres	58,111	1,995,215	5,716,031	8,759	284,094	70,285	2,414,646	6,796,768	8,898	287,895
50 to 99 acres	45,111	3,017,573	9,055,847	9,226	582,781	56,124	3,747,064	10,836,525	9,447	593,572
100 to 249 acres	33,781	4,927,194	15,490,978	10,581	1,447,112	41,136	5,943,297	17,182,124	11,254	1,537,125
250 to 499 acres	10,329	3,470,482	11,111,633	4,521	1,346,929	11,159	3,746,318	10,737,445	4,729	1,410,228
500 to 999 acres	4,221	2,738,429	9,121,367	2,012	1,147,072	4,277	2,768,073	8,774,952	2,215	1,282,690
1,000 acres or more	1,534	2,557,227	10,825,845	978	1,542,190	1,316	2,193,863	9,370,632	934	1,506,962
1,000 to 1,999 acres	1,223	1,592,047	6,285,213	738	857,858	1,042	1,324,561	5,039,489	701	794,177
2,000 to 2,999 acres	192	446,948	1,886,403	140	274,854	166	377,010	1,776,573	137	287,282
3,000 to 4,999 acres	93	337,543	1,733,862	77	253,600	80	288,278	1,435,686	70	234,699
5,000 acres or more	26	180,689	920,367	23	155,878	28	204,014	1,118,884	26	190,804
Small grain hay (tons, dry)	70,603	3,866,721	8,253,840	9,845	706,525	76,584	4,354,516	7,501,232	9,840	665,293
1 to 14 acres	21,928	169,026	318,665	2,512	17,119	25,614	187,781	349,285	2,321	15,682
15 to 24 acres	12,306	229,709	460,416	1,331	22,840	12,822	239,008	457,300	1,326	23,264
25 to 49 acres	14,975	511,135	1,018,064	1,901	59,862	15,280	520,426	966,945	2,009	64,609
50 to 99 acres	11,016	726,322	1,474,018	1,717	100,374	11,353	751,297	1,364,953	1,881	113,974
100 to 249 acres	7,932	1,135,575	2,433,009	1,649	204,304	8,492	1,231,357	2,188,713	1,702	220,328
250 to 499 acres	1,826	601,712	1,405,396	500	137,106	2,164	715,130	1,133,124	414	112,351
500 to 999 acres	498	314,249	719,527	179	87,720	665	415,327	637,383	150	74,047
1,000 acres or more	122	178,993	424,745	56	77,200	194	294,190	403,529	37	41,038
Other tame hay (tons, dry)	496,740	26,763,972	54,347,673	24,348	1,699,864	504,861	26,944,228	53,477,464	22,535	1,616,719
1 to 14 acres	130,829	1,064,853	2,210,794	7,361	47,811	131,733	1,068,860	2,164,405	6,698	43,625
15 to 24 acres	90,528	1,679,914	3,294,798	3,387	52,352	92,828	1,728,132	3,399,925	3,083	49,577
25 to 49 acres	119,370	4,060,660	8,080,902	4,419	122,749	121,909	4,146,546	8,279,784	4,110	115,205
50 to 99 acres	87,090	5,746,034	11,542,819	3,774	196,249	88,318	5,804,901	11,662,863	3,594	192,473
100 to 249 acres	54,542	7,714,795	15,591,946	3,445	389,972	55,950	7,881,203	15,892,727	3,329	388,232
250 to 499 acres	10,712	3,470,659	7,033,085	1,166	288,986	10,646	3,447,997	6,778,364	1,049	275,044
500 to 999 acres	2,870	1,793,730	3,818,397	532	255,080	2,762	1,717,729	3,288,588	475	246,322
1,000 acres or more	799	1,233,327	2,774,932	264	346,665	715	1,148,860	2,010,808	197	306,241
1,000 to 1,999 acres	645	802,103	1,793,104	205	215,578	585	742,532	1,324,851	148	155,505
2,000 to 2,999 acres	106	237,962	588,096	37	65,193	86	191,669	333,978	29	47,900
3,000 to 4,999 acres	38	134,670	308,981	19	54,894	32	110,059	179,238	13	42,940
5,000 acres or more	10	58,592	84,751	3	11,000	12	104,600	172,741	7	59,896
Wild hay (tons, dry)	125,543	7,245,813	10,162,631	5,993	867,815	114,056	6,708,689	8,355,665	5,270	788,423
1 to 14 acres	40,583	315,053	477,465	1,804	10,202	37,267	283,391	418,378	1,506	8,982
15 to 24 acres	24,076	444,618	651,318	719	10,702	21,316	395,003	554,605	652	9,715
25 to 49 acres	27,529	931,256	1,394,666	891	24,666	24,000	811,750	1,126,225	757	21,055
50 to 99 acres	17,726	1,159,860	1,732,268	804	43,524	16,196	1,056,810	1,458,940	689	37,323
100 to 249 acres	11,005	1,564,310	2,254,902	804	100,936	11,045	1,566,777	2,026,024	791	102,909
250 to 499 acres	2,903	966,606	1,298,863	474	140,411	2,565	847,935	981,471	431	133,546
500 to 999 acres	1,084	704,961	945,100	281	162,891	1,062	687,493	739,579	280	169,521
1,000 acres or more	637	1,159,149	1,408,049	216	374,483	605	1,059,530	1,050,443	164	305,372
1,000 to 1,999 acres	462	601,067	764,140	148	183,332	438	546,890	577,456	111	129,680
2,000 to 2,999 acres	99	221,438	252,524	32	64,693	102	229,627	197,568	26	51,778
3,000 to 4,999 acres	53	188,299	211,572	28	71,166	47	166,221	176,064	19	64,622
5,000 acres or more	23	148,345	179,813	8	55,292	18	116,792	99,355	8	59,292
All haylage, grass silage, and greenchop (tons, green)	68,936	5,494,926	34,959,627	6,340	799,363	62,785	5,324,920	34,631,619	5,028	686,112
1 to 14 acres	13,982	109,113	401,399	1,413	9,016	11,461	77,860	439,385	806	4,766
15 to 24 acres	9,448	177,371	772,916	627	10,489	6,873	130,187	696,815	386	6,607

See footnote(s) at end of table.

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Table 33. **Specified Crops by Acres Harvested: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007					2002				
	Farms	Acres	Quantity	Irrigated land		Farms	Acres	Quantity	Irrigated land	
				Farms	Acres				Farms	Acres
HAY, FORAGE, AND FIELD AND GRASS SEEDS - Con.										
All haylage, grass silage, and greenchop (tons, green) - Con.										
25 to 49 acres	14,444	500,505	2,554,279	964	28,829	12,515	438,336	2,593,438	751	23,410
50 to 99 acres	14,901	1,008,870	5,563,496	989	58,511	14,921	1,015,758	6,148,399	965	56,638
100 to 249 acres	12,158	1,745,656	10,579,787	1,370	174,887	13,116	1,876,781	11,764,642	1,289	165,369
250 to 499 acres	2,852	946,445	6,655,960	561	160,288	2,939	967,626	6,543,012	508	144,527
500 to 999 acres	888	574,560	4,484,581	299	166,408	757	490,159	3,792,218	228	130,143
1,000 to 1,999 acres	201	256,844	2,268,203	76	79,758	165	209,810	1,735,527	69	78,047
2,000 acres or more	62	175,562	1,679,006	41	111,177	38	118,403	918,183	26	76,605
Haylage or greenchop from alfalfa or alfalfa mixtures (tons, green)	40,948	3,414,270	22,604,406	3,180	393,665	43,798	3,547,160	23,403,394	2,623	365,572
1 to 14 acres	6,503	51,322	224,057	747	4,650	7,261	47,088	294,100	414	2,227
15 to 24 acres	4,954	93,974	520,928	278	4,676	4,684	89,249	521,749	204	3,305
25 to 49 acres	8,761	307,297	1,854,049	450	13,695	9,062	318,423	2,026,814	372	12,109
50 to 99 acres	10,440	706,239	4,311,880	530	30,669	11,334	768,383	4,848,828	512	30,895
100 to 249 acres	7,938	1,124,508	7,208,764	700	86,680	9,139	1,289,448	8,234,536	694	92,361
250 to 499 acres	1,691	561,796	4,034,424	270	77,997	1,768	577,872	3,929,119	253	71,422
500 to 999 acres	517	334,197	2,539,059	154	81,677	428	277,201	2,110,903	122	70,967
1,000 to 1,999 acres	116	152,730	1,213,023	30	30,959	105	132,381	1,099,483	39	45,076
2,000 acres or more	28	82,207	698,222	21	62,662	17	47,115	337,862	13	37,210
Other haylage, grass silage, and greenchop, excluding corn and sorghum silage (tons, green)	33,557	2,080,656	12,355,221	3,626	405,698	27,614	1,777,468	11,227,005	2,758	320,403
1 to 14 acres	9,635	73,745	251,747	969	5,311	7,410	54,673	267,500	485	3,008
15 to 24 acres	5,753	106,908	379,852	346	5,765	4,352	81,803	396,960	226	3,972
25 to 49 acres	7,062	239,127	965,616	561	16,918	5,834	199,515	1,025,618	471	14,538
50 to 99 acres	5,380	356,661	1,600,818	526	32,284	4,918	325,163	1,776,305	546	32,442
100 to 249 acres	4,294	619,017	3,470,716	723	97,638	3,882	554,662	3,515,972	650	85,033
250 to 499 acres	1,028	337,956	2,432,305	309	91,466	903	295,474	2,044,607	237	69,793
500 to 999 acres	320	209,131	1,756,125	144	84,849	257	165,093	1,343,058	108	59,800
1,000 to 1,999 acres	63	76,849	756,939	33	35,777	44	55,651	511,822	25	28,322
2,000 acres or more	22	61,262	741,103	15	35,690	14	45,434	345,163	10	23,495
OTHER SPECIFIED CROPS										
Land in vegetables (see text) [1]	69,172	4,356,880	(X)	29,885	3,068,485	54,391	3,433,269	(X)	23,149	2,359,667
0.1 to 0.9 acres	13,591	5,432	(X)	5,180	1,996	7,738	3,237	(X)	2,926	1,199
1.0 to 4.9 acres	27,862	56,608	(X)	10,651	18,878	18,742	40,087	(X)	6,661	12,606
5.0 to 14.9 acres	10,923	85,210	(X)	4,606	28,640	10,024	80,654	(X)	4,032	25,916
15 to 24 acres	2,946	54,705	(X)	1,433	20,623	3,548	66,177	(X)	1,634	24,913
25 to 49 acres	3,579	124,415	(X)	1,648	47,370	4,250	148,507	(X)	1,856	54,096
50 to 99 acres	3,092	212,376	(X)	1,473	88,074	3,670	251,705	(X)	1,749	108,242
100 to 249 acres	3,473	538,241	(X)	2,010	281,120	3,548	545,907	(X)	2,045	295,091
250 to 499 acres	1,787	615,642	(X)	1,266	396,480	1,539	528,843	(X)	1,121	359,247
500 to 749 acres	713	428,628	(X)	569	312,201	534	316,287	(X)	421	231,979
750 to 999 acres	343	294,296	(X)	285	225,389	245	208,247	(X)	207	161,466
1,000 acres or more	863	1,941,326	(X)	764	1,647,715	553	1,243,619	(X)	497	1,084,912
1,000 to 1,999 acres	563	774,012	(X)	487	615,785	340	454,067	(X)	301	378,124
2,000 to 2,999 acres	144	347,976	(X)	129	293,978	115	273,794	(X)	103	236,102
3,000 to 4,999 acres	94	352,713	(X)	89	309,599	58	218,649	(X)	53	189,393
5,000 acres or more	62	466,625	(X)	59	428,353	40	297,109	(X)	40	281,293
Land in orchards (see text)	115,935	5,039,476	(X)	61,189	3,981,316	113,649	5,330,439	(X)	64,907	4,374,125
0.1 to 0.9 acres	11,755	5,066	(X)	4,556	1,956	8,483	3,822	(X)	3,204	1,468
1.0 to 4.9 acres	41,020	88,981	(X)	18,720	39,514	36,917	81,298	(X)	17,290	37,296
5.0 to 14.9 acres	26,287	213,530	(X)	13,268	104,241	27,075	221,526	(X)	14,328	113,676
15 to 24 acres	10,756	200,142	(X)	6,369	112,992	11,719	218,418	(X)	7,523	135,219
25 to 49 acres	10,180	351,859	(X)	6,264	207,598	11,490	398,472	(X)	8,027	269,576
50 to 99 acres	6,939	474,586	(X)	4,632	304,323	8,052	550,451	(X)	6,058	402,472
100 to 249 acres	5,434	828,529	(X)	4,223	628,491	6,138	931,137	(X)	5,075	744,271
250 to 499 acres	2,026	696,787	(X)	1,748	582,269	2,253	772,374	(X)	1,976	653,747
500 to 749 acres	665	398,858	(X)	587	341,664	620	370,788	(X)	567	323,784
750 to 999 acres	265	228,247	(X)	248	208,113	316	272,933	(X)	297	247,934
1,000 acres or more	608	1,552,893	(X)	574	1,450,156	586	1,509,220	(X)	562	1,444,683
1,000 to 1,999 acres	385	517,116	(X)	360	469,745	366	490,940	(X)	346	449,879
2,000 to 2,999 acres	92	218,492	(X)	86	203,431	86	205,697	(X)	82	193,273
3,000 acres or more	131	817,285	(X)	128	776,980	134	812,584	(X)	134	801,532
Land in berries (see text)	25,017	261,733	(X)	11,510	176,568	(NA)	(NA)	(X)	(NA)	(NA)
0.1 to 0.9 acres	10,283	3,230	(X)	3,610	1,086	(NA)	(NA)	(X)	(NA)	(NA)
1.0 to 4.9 acres	9,135	17,386	(X)	4,126	7,691	(NA)	(NA)	(X)	(NA)	(NA)
5.0 to 14.9 acres	2,995	23,916	(X)	1,793	13,434	(NA)	(NA)	(X)	(NA)	(NA)
15 to 24 acres	879	16,316	(X)	602	10,260	(NA)	(NA)	(X)	(NA)	(NA)
25 to 49 acres	764	25,763	(X)	579	18,188	(NA)	(NA)	(X)	(NA)	(NA)
50 to 99 acres	468	31,591	(X)	375	23,941	(NA)	(NA)	(X)	(NA)	(NA)
100 acres or more	493	143,532	(X)	425	101,969	(NA)	(NA)	(X)	(NA)	(NA)

[1] 2002 data do not include potatoes, sweet potatoes, or ginseng.

Table 34. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007						2002 total harvested	
	Total harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
Vegetables harvested for sale (see text) [1]	69,172	4,682,588	11,468	2,059,160	62,495	2,623,427	54,391	3,698,744
0.1 to 0.9 acres	13,426	5,755	824	260	12,948	5,495	7,550	3,399
1.0 to 4.9 acres	27,752	57,780	1,961	2,146	27,211	55,635	18,692	40,476
5.0 to 14.9 acres	11,069	87,168	979	4,045	10,818	83,123	10,118	81,825
15.0 to 24.9 acres	2,990	55,646	532	7,513	2,679	48,133	3,578	66,947
25.0 to 49.9 acres	3,573	124,414	1,283	40,420	2,544	83,994	4,260	148,891
50.0 to 99.9 acres	3,093	212,379	1,580	99,969	1,777	112,411	3,684	252,531
100.0 to 249.9 acres	3,451	536,569	1,961	267,713	2,000	268,856	3,563	548,675
250.0 to 499.9 acres	1,791	615,956	1,076	304,242	1,100	311,713	1,530	527,071
500.0 to 749.9 acres	720	430,775	453	216,940	468	213,836	540	322,230
750.0 to 999.9 acres	360	309,554	233	151,255	248	158,300	259	219,524
1,000.0 acres or more	947	2,246,591	586	964,659	702	1,281,933	617	1,487,174
1,000.0 to 1,999.9 acres	591	814,667	379	368,863	432	445,804	364	485,452
2,000.0 to 2,999.9 acres	159	386,087	97	161,921	121	224,166	120	288,392
3,000.0 to 4,999.9 acres	123	458,158	65	176,681	89	281,477	82	309,456
5,000.0 acres or more	74	587,679	45	257,193	60	330,486	51	403,875
Artichokes (excluding Jerusalem) (see text)	118	9,687	-	-	118	9,687	93	7,789
Asparagus, bearing age (see text)	2,605	43,010	219	11,087	2,465	31,923	2,987	74,987
0.1 to 0.9 acres	1,408	388	27	5	1,395	383	1,304	401
1.0 to 4.9 acres	733	1,311	17	24	726	1,287	871	1,605
5.0 to 14.9 acres	158	1,368	42	357	127	1,010	219	1,817
15.0 to 24.9 acres	56	1,041	23	376	37	665	124	2,370
25.0 to 49.9 acres	65	2,343	34	1,139	35	1,204	123	4,199
50.0 to 99.9 acres	67	4,568	32	2,017	48	2,552	146	10,364
100.0 acres or more	118	31,991	44	7,169	97	24,822	200	54,231
Beans, green limas	1,020	42,529	260	37,450	772	5,079	1,077	51,773
Beans, snap	17,300	303,997	1,999	198,101	15,654	105,896	11,343	307,101
0.1 to 0.9 acres	12,347	2,907	566	106	11,944	2,801	6,433	1,752
1.0 to 4.9 acres	2,829	4,627	156	199	2,759	4,428	2,379	4,148
5.0 to 14.9 acres	434	3,345	33	316	408	3,029	547	4,262
15.0 to 24.9 acres	167	3,239	78	1,534	92	1,706	244	4,637
25.0 to 49.9 acres	369	12,949	253	8,875	122	4,074	424	14,882
50.0 to 99.9 acres	392	27,114	316	21,659	90	5,455	517	34,892
100.0 to 249.9 acres	479	72,095	392	56,380	124	15,716	505	74,861
250.0 to 499.9 acres	165	55,103	127	40,526	54	14,577	183	62,604
500.0 acres or more	118	122,618	78	68,508	61	54,111	111	105,064
Beets	2,744	8,412	117	5,275	2,651	3,138	2,123	9,092
Broccoli	3,087	130,603	94	6,399	3,030	124,204	2,493	141,533
0.1 to 0.9 acres	2,227	497	38	(D)	2,199	(D)	1,510	410
1.0 to 4.9 acres	471	863	10	9	465	854	509	921
5.0 to 14.9 acres	71	550	2	(D)	70	(D)	103	829
15.0 to 24.9 acres	37	685	3	51	35	634	39	731
25.0 to 49.9 acres	33	1,131	9	239	26	892	38	1,395
50.0 to 99.9 acres	40	2,994	5	354	36	2,640	57	3,701
100.0 to 249.9 acres	81	12,781	11	1,298	74	11,482	95	14,913
250.0 to 499.9 acres	52	17,950	4	800	50	17,150	65	20,958
500.0 to 749.9 acres	29	16,922	5	1,393	29	15,530	(NA)	(NA)
750.0 to 999.9 acres	8	6,981	3	1,305	8	5,676	(NA)	(NA)
1,000.0 acres or more	38	69,250	4	936	38	68,313	(NA)	(NA)
Brussels sprouts	483	3,874	16	924	476	2,950	193	3,100
Cabbage, Chinese	620	11,480	6	9	618	11,471	469	12,293
Cabbage, head	4,086	80,620	175	9,866	3,986	70,753	3,757	85,324
0.1 to 0.9 acres	2,480	603	48	11	2,450	592	1,808	516
1.0 to 4.9 acres	843	1,542	19	19	836	1,523	979	1,896
5.0 to 14.9 acres	238	1,806	16	88	230	1,718	315	2,505
15.0 to 24.9 acres	97	1,776	10	177	90	1,599	139	2,592
25.0 to 49.9 acres	116	3,937	16	534	105	3,403	157	5,248
50.0 to 99.9 acres	114	7,534	22	1,084	103	6,451	147	10,179
100.0 to 249.9 acres	101	15,304	27	3,586	80	11,718	130	19,477
250.0 to 499.9 acres	64	21,516	8	1,639	60	19,877	54	18,673
500.0 acres or more	33	26,601	9	2,729	32	23,872	28	24,240
Cabbage, mustard	53	66	1	(D)	52	(D)	29	160
Cantaloupes	9,148	84,290	18	34	9,140	84,256	7,478	105,262
0.1 to 0.9 acres	5,542	1,543	(NA)	(NA)	(NA)	(NA)	3,490	1,084
1.0 to 4.9 acres	2,637	4,784	(NA)	(NA)	(NA)	(NA)	2,620	5,016
5.0 to 14.9 acres	563	4,164	(NA)	(NA)	(NA)	(NA)	775	5,795
15.0 to 24.9 acres	102	1,843	(NA)	(NA)	(NA)	(NA)	160	2,913
25.0 to 49.9 acres	84	2,861	(NA)	(NA)	(NA)	(NA)	130	4,319
50.0 to 99.9 acres	63	4,165	(NA)	(NA)	(NA)	(NA)	91	6,134
100.0 to 249.9 acres	93	14,353	(NA)	(NA)	(NA)	(NA)	124	18,707
250.0 to 499.9 acres	34	11,235	(NA)	(NA)	(NA)	(NA)	49	16,259
500.0 acres or more	30	39,343	(NA)	(NA)	(NA)	(NA)	39	45,036
Carrots	2,543	90,292	202	24,931	2,393	65,362	1,792	107,013
0.1 to 0.9 acres	1,929	379	32	5	1,910	375	1,133	260
1.0 to 4.9 acres	245	377	7	13	241	365	213	363
5.0 to 14.9 acres	55	424	9	64	50	360	59	520
15.0 to 24.9 acres	35	660	14	266	23	394	47	913
25.0 to 49.9 acres	43	1,506	19	624	27	883	49	1,748
50.0 to 99.9 acres	56	3,930	31	2,069	29	1,862	67	4,599
100.0 to 249.9 acres	86	13,412	52	7,119	41	6,293	(NA)	(NA)
250.0 to 499.9 acres	57	20,163	27	8,120	41	12,043	(NA)	(NA)
500.0 acres or more	37	49,440	11	6,651	31	42,789	(NA)	(NA)
Cauliflower	1,136	39,515	49	2,019	1,104	37,496	1,032	44,163
0.1 to 0.9 acres	660	168	8	2	655	166	494	143
1.0 to 4.9 acres	257	463	6	12	255	452	256	484
5.0 to 14.9 acres	47	414	6	56	42	359	75	614
15.0 to 24.9 acres	19	360	3	55	17	305	32	576
25.0 to 49.9 acres	18	653	8	308	11	345	32	1,167
50.0 to 99.9 acres	39	2,702	12	759	30	1,943	39	2,692

See footnote(s) at end of table.

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Table 34. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007						2002 total harvested	
	Total harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
Cauliflower - Con.								
100.0 to 249.9 acres	45	7,422	3	394	44	7,028	(NA)	(NA)
250.0 to 499.9 acres	31	10,413	2	(D)	30	(D)	(NA)	(NA)
500.0 acres or more	20	16,920	1	(D)	20	(D)	(NA)	(NA)
Celery	326	29,907	30	1,606	311	28,301	303	28,241
Chicory	46	2,118	-	-	46	2,118	53	2,649
Collards	1,374	11,223	54	1,572	1,354	9,651	1,190	16,782
Cucumbers and pickles	11,202	151,759	750	95,380	10,614	56,380	7,563	166,124
0.1 to 0.9 acres	8,474	1,919	251	46	8,283	1,872	4,624	1,226
1.0 to 4.9 acres	1,721	2,754	70	106	1,692	2,648	1,613	2,756
5.0 to 14.9 acres	287	2,218	35	299	264	1,919	343	2,681
15.0 to 24.9 acres	118	2,235	53	981	70	1,254	165	3,097
25.0 to 49.9 acres	147	5,033	57	1,878	93	3,156	238	8,147
50.0 to 99.9 acres	151	10,328	88	5,762	73	4,566	207	14,125
100.0 to 249.9 acres	157	23,676	100	14,048	72	9,628	(NA)	(NA)
250.0 to 499.9 acres	80	26,790	46	14,793	41	11,997	(NA)	(NA)
500.0 acres or more	67	76,808	50	57,468	26	19,340	(NA)	(NA)
Daikon	139	624	2	(D)	138	(D)	177	1,125
Eggplant	2,904	6,038	25	228	2,892	5,810	2,213	6,401
Escarole/Endive	133	3,627	1	(D)	132	(D)	123	3,939
Garlic (see text)	2,277	26,172	128	14,285	2,188	11,887	1,855	32,398
Ginseng (see text)	225	674	169	569	59	105	588	1,433
Herbs, fresh cut	2,053	13,573	(X)	(X)	2,053	13,573	1,774	10,916
Honeydew melons	396	17,344	1	(D)	396	(D)	363	24,258
Horseradish (see text)	112	3,692	28	3,597	87	94	(NA)	(NA)
Kale	954	3,994	12	211	946	3,784	679	4,901
Lettuce, all	3,839	313,036	(X)	(X)	3,839	313,036	2,903	306,849
0.1 to 0.9 acres	2,737	663	(X)	(X)	(NA)	(NA)	1,734	430
1.0 to 4.9 acres	505	908	(X)	(X)	(NA)	(NA)	518	975
5.0 to 14.9 acres	131	1,110	(X)	(X)	(NA)	(NA)	138	1,178
15.0 to 24.9 acres	38	731	(X)	(X)	(NA)	(NA)	62	1,188
25.0 to 49.9 acres	75	2,503	(X)	(X)	(NA)	(NA)	76	2,601
50.0 to 99.9 acres	51	3,619	(X)	(X)	(NA)	(NA)	67	4,612
100.0 to 249.9 acres	82	13,321	(X)	(X)	(NA)	(NA)	95	15,256
250.0 to 499.9 acres	52	18,190	(X)	(X)	(NA)	(NA)	77	27,783
500.0 to 749.9 acres	53	31,698	(X)	(X)	(NA)	(NA)	38	23,700
750.0 to 999.9 acres	27	22,909	(X)	(X)	(NA)	(NA)	17	14,724
1,000.0 acres or more	88	217,384	(X)	(X)	(NA)	(NA)	81	214,404
Lettuce, head	1,158	166,838	(X)	(X)	1,158	166,838	830	188,700
0.1 to 0.9 acres	707	162	(X)	(X)	(NA)	(NA)	363	85
1.0 to 4.9 acres	116	192	(X)	(X)	(NA)	(NA)	103	167
5.0 to 14.9 acres	30	225	(X)	(X)	(NA)	(NA)	48	461
15.0 to 24.9 acres	15	284	(X)	(X)	(NA)	(NA)	24	483
25.0 to 49.9 acres	34	1,107	(X)	(X)	(NA)	(NA)	27	969
50.0 to 99.9 acres	36	2,454	(X)	(X)	(NA)	(NA)	47	3,389
100.0 to 249.9 acres	61	9,440	(X)	(X)	(NA)	(NA)	66	10,817
250.0 to 499.9 acres	53	18,336	(X)	(X)	(NA)	(NA)	51	17,933
500.0 to 749.9 acres	32	19,087	(X)	(X)	(NA)	(NA)	27	16,833
750.0 to 999.9 acres	15	12,695	(X)	(X)	(NA)	(NA)	16	14,095
1,000.0 acres or more	59	102,856	(X)	(X)	(NA)	(NA)	58	123,468
Lettuce, leaf	2,891	58,861	(X)	(X)	2,891	58,861	2,153	58,324
Lettuce, romaine	1,057	87,337	(X)	(X)	1,057	87,337	709	59,825
Mustard greens	871	8,323	32	1,310	848	7,013	871	13,917
Okra	2,555	2,444	92	81	2,506	2,363	2,200	3,069
Onions, dry	4,249	166,484	335	40,199	4,047	126,285	3,746	164,375
0.1 to 0.9 acres	2,720	609	51	7	2,681	602	1,885	468
1.0 to 4.9 acres	490	781	22	27	478	754	529	896
5.0 to 14.9 acres	137	1,087	16	132	125	955	199	1,737
15.0 to 24.9 acres	93	1,717	13	198	89	1,519	132	2,522
25.0 to 49.9 acres	175	6,119	34	1,075	151	5,045	239	8,343
50.0 to 99.9 acres	177	12,314	36	2,256	154	10,058	284	19,503
100.0 to 249.9 acres	276	43,728	91	10,269	227	33,459	311	47,971
250.0 to 499.9 acres	119	40,085	48	12,695	91	27,390	110	37,880
500.0 acres or more	62	60,045	24	13,541	51	46,504	57	45,055
Onions, green	1,558	5,704	30	68	1,540	5,635	1,165	6,202
Parsley	370	4,240	11	933	361	3,308	304	3,647
Peas, Chinese (Sugar, Snow)	863	8,859	86	4,915	796	3,944	435	6,936
Peas, green (excluding southern peas)	4,532	214,057	2,047	206,092	2,568	7,965	4,849	219,176
0.1 to 0.9 acres	1,818	431	46	(D)	1,789	(D)	1,591	403
1.0 to 4.9 acres	579	1,051	39	42	561	1,009	677	1,306
5.0 to 14.9 acres	131	1,085	30	316	103	769	226	1,882
15.0 to 24.9 acres	212	4,224	183	3,643	35	581	228	4,425
25.0 to 49.9 acres	705	25,453	684	24,482	31	972	915	32,403
50.0 to 99.9 acres	542	36,427	529	35,376	23	1,051	647	44,071
100.0 to 249.9 acres	382	56,722	374	54,673	20	2,048	412	60,958
250.0 to 499.9 acres	107	36,816	107	(D)	5	(D)	105	33,709
500.0 acres or more	56	51,849	55	(D)	1	(D)	48	40,021

See footnote(s) at end of table.

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Table 34. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007						2002 total harvested	
	Total harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
Peas, green southern (cowpeas) - blackeyed, crowder, etc	3,061	27,089	334	15,386	2,859	11,703	2,372	28,867
Peppers, Bell (excluding pimientos) (see text)	9,572	62,363	315	11,872	9,379	50,492	8,484	58,998
0.1 to 0.9 acres	7,113	1,628	(NA)	(NA)	(NA)	(NA)	5,769	1,506
1.0 to 4.9 acres	1,780	2,866	(NA)	(NA)	(NA)	(NA)	1,902	3,197
5.0 to 14.9 acres	301	2,262	(NA)	(NA)	(NA)	(NA)	383	2,873
15.0 to 24.9 acres	97	1,774	(NA)	(NA)	(NA)	(NA)	112	2,166
25.0 to 49.9 acres	81	2,697	(NA)	(NA)	(NA)	(NA)	123	4,130
50.0 to 99.9 acres	68	4,588	(NA)	(NA)	(NA)	(NA)	76	5,016
100.0 acres or more	132	46,549	(NA)	(NA)	(NA)	(NA)	119	40,111
Peppers, other than Bell (including chile) (see text)	6,124	37,372	466	23,278	5,780	14,093	4,748	42,666
Potatoes (see text)	15,014	1,131,963	1,739	599,604	13,855	532,359	9,408	1,266,087
0.1 to 0.9 acres	8,877	2,473	345	76	8,640	2,397	3,512	1,118
1.0 to 4.9 acres	3,136	5,296	143	158	3,091	5,138	2,165	3,730
5.0 to 14.9 acres	464	3,444	45	272	442	3,172	468	3,668
15.0 to 24.9 acres	148	2,816	17	309	134	2,507	189	3,604
25.0 to 49.9 acres	214	7,477	68	2,391	150	5,085	318	11,481
50.0 to 99.9 acres	325	22,097	137	8,406	216	13,690	458	32,338
100.0 to 249.9 acres	714	114,291	332	47,053	470	67,239	974	154,956
250.0 to 499.9 acres	525	180,042	258	73,110	354	106,931	651	226,838
500.0 to 749.9 acres	221	132,242	122	62,516	138	69,726	260	154,013
750.0 to 999.9 acres	116	99,114	74	53,139	65	45,975	134	114,558
1,000.0 acres or more	274	562,672	198	352,173	155	210,499	279	559,783
1,000.0 to 1,999.9 acres	185	249,205	130	137,776	114	111,430	192	260,275
2,000.0 to 2,999.9 acres	43	105,101	31	68,755	20	36,346	46	107,292
3,000.0 acres or more	46	208,366	37	145,642	21	62,724	41	192,216
Pumpkins	15,088	92,955	444	12,306	14,877	80,649	14,073	97,408
Radishes	818	14,599	18	264	805	14,335	626	17,056
Rhubarb	574	1,404	42	448	542	956	467	1,809
Spinach	1,202	44,071	112	14,226	1,121	29,846	1,109	49,859
Squash, all (see text)	11,821	54,454	397	6,706	11,601	47,748	11,035	71,236
0.1 to 0.9 acres	7,443	2,125	(NA)	(NA)	(NA)	(NA)	5,713	1,695
1.0 to 4.9 acres	3,085	5,557	(NA)	(NA)	(NA)	(NA)	3,536	6,683
5.0 to 14.9 acres	701	5,320	(NA)	(NA)	(NA)	(NA)	920	7,024
15.0 to 24.9 acres	167	3,091	(NA)	(NA)	(NA)	(NA)	257	4,797
25.0 to 49.9 acres	190	6,503	(NA)	(NA)	(NA)	(NA)	272	9,321
50.0 to 99.9 acres	124	8,238	(NA)	(NA)	(NA)	(NA)	185	12,099
100.0 acres or more	111	23,621	(NA)	(NA)	(NA)	(NA)	152	29,617
Squash, summer (see text)	9,170	34,094	229	2,933	9,029	31,160	(NA)	(NA)
Squash, winter (see text)	4,798	20,360	193	3,773	4,654	16,587	(NA)	(NA)
Sweet corn	28,241	622,946	3,670	361,886	25,409	261,060	22,473	692,819
0.1 to 0.9 acres	9,970	3,033	545	137	9,610	2,896	5,530	1,872
1.0 to 4.9 acres	10,123	20,273	549	674	9,918	19,600	7,964	16,611
5.0 to 14.9 acres	3,566	27,710	168	883	3,510	26,827	3,469	27,299
15.0 to 24.9 acres	963	17,754	154	2,605	840	15,149	1,129	20,996
25.0 to 49.9 acres	1,299	45,275	623	21,946	719	23,329	1,601	56,109
50.0 to 99.9 acres	1,103	75,627	741	49,962	418	25,665	1,261	85,729
100.0 acres or more	1,217	433,274	890	285,681	394	147,594	1,519	484,204
100.0 to 249.9 acres	789	117,173	585	85,350	244	31,823	1,024	151,038
250.0 to 499.9 acres	237	80,365	179	58,389	69	21,976	293	99,288
500.0 to 749.9 acres	74	43,619	54	30,603	26	13,016	70	41,191
750.0 to 999.9 acres	32	27,069	22	17,189	13	9,880	43	36,566
1,000.0 acres or more	85	165,049	50	94,150	42	70,899	89	156,121
Sweet potatoes (see text)	1,910	105,284	259	21,360	1,807	83,924	2,366	92,310
0.1 to 0.9 acres	789	225	31	(D)	770	(D)	884	253
1.0 to 4.9 acres	474	849	32	46	463	803	619	1,197
5.0 to 14.9 acres	169	1,330	22	142	153	1,188	254	2,205
15.0 to 24.9 acres	60	1,091	5	(D)	58	(D)	102	1,882
25.0 to 49.9 acres	81	2,810	29	686	66	2,124	140	5,010
50.0 to 99.9 acres	96	6,591	38	1,553	83	5,038	129	9,155
100.0 to 249.9 acres	113	17,205	51	5,159	98	12,046	142	20,574
250.0 to 499.9 acres	71	25,242	31	5,865	63	19,377	60	20,602
500.0 acres or more	57	49,942	20	7,862	53	42,081	36	31,432
Tomatoes in the open (see text)	25,809	442,225	1,761	319,549	24,630	122,675	19,539	448,500
0.1 to 0.9 acres	17,536	4,721	775	155	17,015	4,566	11,621	3,433
1.0 to 4.9 acres	6,251	10,467	296	328	6,150	10,138	5,563	9,685
5.0 to 14.9 acres	856	6,276	59	290	844	5,986	977	7,418
15.0 to 24.9 acres	182	3,304	19	305	170	2,999	231	4,302
25.0 to 49.9 acres	170	5,904	30	1,075	146	4,829	207	7,126
50.0 to 99.9 acres	133	9,207	63	4,236	80	4,972	175	12,034
100.0 acres or more	681	402,346	519	313,161	225	89,185	765	404,502
100.0 to 249.9 acres	240	38,738	165	25,985	93	12,753	313	51,147
250.0 to 499.9 acres	221	76,591	179	58,080	69	18,511	250	85,263
500.0 to 749.9 acres	88	53,361	65	38,447	27	14,915	84	49,544
750.0 to 999.9 acres	35	29,522	31	25,170	8	4,352	30	25,406
1,000.0 acres or more	97	204,135	79	165,480	28	38,654	88	193,143
Turnips	914	3,632	39	582	890	3,050	837	5,293
Turnip greens	836	9,365	58	2,361	792	7,005	860	10,546
Watercress	62	679	1	(D)	61	(D)	60	699
Watermelons	12,808	142,359	27	271	12,804	142,089	10,121	164,525
0.1 to 0.9 acres	6,373	1,892	(NA)	(NA)	(NA)	(NA)	3,381	1,106
1.0 to 4.9 acres	4,087	7,622	(NA)	(NA)	(NA)	(NA)	3,592	7,064
5.0 to 14.9 acres	1,045	8,024	(NA)	(NA)	(NA)	(NA)	1,369	10,907

See footnote(s) at end of table.

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Table 34. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007						2002 total harvested	
	Total harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
Watermelons - Con.								
15.0 to 24.9 acres	317	5,779	(NA)	(NA)	(NA)	(NA)	481	8,917
25.0 to 49.9 acres	353	11,758	(NA)	(NA)	(NA)	(NA)	509	17,170
50.0 to 99.9 acres	236	15,921	(NA)	(NA)	(NA)	(NA)	365	24,592
100.0 to 249.9 acres	271	39,424	(NA)	(NA)	(NA)	(NA)	311	45,639
250.0 to 499.9 acres	98	33,171	(NA)	(NA)	(NA)	(NA)	89	29,536
500.0 acres or more	28	18,768	(NA)	(NA)	(NA)	(NA)	24	19,594
Vegetables, other (see text)	6,846	47,563	381	1,683	6,668	45,880	2,982	31,819

[1] 2002 data do not include potatoes, sweet potatoes, or ginseng.

Table 35. **Specified Fruits and Nuts by Acres: 2007 and 2002**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop		Total		Bearing age acres		Nonbearing age acres	
		Farms	Acres	Farms	Acres	Farms	Acres
Noncitrus fruit, all (see text)	2007	72,757	2,176,511	65,697	1,948,205	27,375	228,307
	2002	67,113	2,322,905	57,021	2,045,359	31,087	277,547
Apples	2007	25,591	398,770	21,716	360,195	9,740	38,575
	2002	26,853	464,025	21,084	401,706	12,344	62,319
2007 acres:							
0.1 to 0.9 acres		9,270	3,000	7,069	2,164	3,188	836
1.0 to 4.9 acres		9,059	18,091	7,659	13,869	3,398	4,223
5.0 to 14.9 acres		3,366	27,070	3,135	22,730	1,307	4,340
15.0 to 24.9 acres		1,131	21,154	1,108	18,849	433	2,305
25.0 to 49.9 acres		1,168	40,102	1,151	35,836	537	4,266
50.0 to 99.9 acres		791	54,158	788	49,514	398	4,644
100.0 acres or more		806	235,195	806	217,234	479	17,961
100.0 to 249.9 acres		561	83,996	561	76,869	325	7,127
250.0 to 499.9 acres		152	51,422	152	47,528	97	3,894
500.0 to 749.9 acres		52	31,107	52	28,873	31	2,234
750.0 to 999.9 acres		20	17,408	20	15,262	12	2,145
1,000.0 acres or more		21	51,263	21	48,702	14	2,561
2002 acres:							
0.1 to 0.9 acres		8,525	2,988	5,712	1,854	3,715	1,135
1.0 to 4.9 acres		9,249	18,749	6,938	12,453	4,252	6,296
5.0 to 14.9 acres		4,088	33,224	3,598	25,864	1,828	7,360
15.0 to 24.9 acres		1,526	28,416	1,433	23,225	719	5,191
25.0 to 49.9 acres		1,517	52,369	1,484	46,248	710	6,122
50.0 to 99.9 acres		1,012	69,795	992	62,165	521	7,630
100.0 acres or more		936	258,484	927	229,898	599	28,586
100.0 to 249.9 acres		647	97,071	644	85,930	406	11,141
250.0 to 499.9 acres		189	64,094	183	56,131	121	7,964
500.0 to 749.9 acres		50	30,170	50	25,971	41	4,198
750.0 to 999.9 acres		27	23,532	27	21,927	15	1,605
1,000.0 acres or more		23	43,617	23	39,938	16	3,679
Apricots	2007	3,141	13,750	2,458	12,830	952	920
	2002	2,698	18,191	2,015	16,478	1,008	1,713
Avocados	2007	8,245	82,647	7,670	72,747	2,855	9,900
	2002	6,251	75,570	5,680	66,430	2,388	9,140
2007 acres:							
0.1 to 0.9 acres		1,540	(D)	1,310	436	416	(D)
1.0 to 4.9 acres		3,784	8,179	3,505	6,720	1,328	1,459
5.0 to 14.9 acres		1,733	13,790	1,674	11,987	615	1,803
15.0 to 24.9 acres		539	(D)	533	(D)	230	1,525
25.0 to 49.9 acres		360	11,954	359	10,601	150	1,353
50.0 to 99.9 acres		161	(D)	161	(D)	65	1,000
100.0 acres or more		128	27,920	128	(D)	51	(D)
100.0 to 249.9 acres		95	13,297	95	(D)	31	(D)
250.0 to 499.9 acres		24	(D)	24	(D)	14	(D)
500.0 acres or more		9	(D)	9	(D)	6	1,182
2002 acres:							
0.1 to 0.9 acres		1,089	(D)	860	(D)	374	(D)
1.0 to 4.9 acres		2,680	5,804	2,425	4,568	1,033	1,236
5.0 to 14.9 acres		1,399	11,213	1,334	9,360	548	1,853
15.0 to 24.9 acres		461	(D)	453	(D)	189	(D)
25.0 to 49.9 acres		346	11,531	339	9,883	153	1,648
50.0 to 99.9 acres		149	10,313	143	9,096	49	1,216
100.0 acres or more		127	27,623	126	25,626	42	1,997
100.0 to 249.9 acres		(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
250.0 to 499.9 acres		(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
500.0 acres or more		(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Bananas	2007	1,326	2,547	1,175	2,100	355	447
	2002	765	1,975	628	1,683	231	293
Cherries, sweet	2007	8,051	100,705	6,687	84,040	2,980	16,665
	2002	8,043	91,735	6,259	72,380	3,632	19,356
2007 acres:							
0.1 to 0.9 acres		3,202	750	2,197	511	1,198	238
1.0 to 4.9 acres		2,023	4,365	1,787	3,592	620	773
5.0 to 14.9 acres		1,332	11,211	1,249	9,483	458	1,729
15.0 to 24.9 acres		547	10,266	524	8,693	224	1,573
25.0 to 49.9 acres		480	16,389	471	14,191	226	2,198
50.0 to 99.9 acres		286	19,705	283	16,572	151	3,133
100.0 acres or more		181	38,020	176	30,998	103	7,022
100.0 to 249.9 acres		148	22,102	143	17,839	82	4,263
250.0 to 499.9 acres		26	8,959	26	7,267	16	1,692
500.0 acres or more		7	6,959	7	5,893	5	1,066
2002 acres:							
0.1 to 0.9 acres		2,942	736	1,810	448	1,310	288
1.0 to 4.9 acres		2,049	4,474	1,688	3,376	749	1,098
5.0 to 14.9 acres		1,542	12,841	1,348	9,567	750	3,275
15.0 to 24.9 acres		582	10,824	530	8,397	284	2,427
25.0 to 49.9 acres		529	18,267	494	14,489	295	3,778
50.0 to 99.9 acres		247	16,845	241	13,753	143	3,092
100.0 acres or more		152	27,749	148	22,352	101	5,398
100.0 to 249.9 acres		134	19,581	130	15,796	89	3,785
250.0 to 499.9 acres		15	5,244	15	(D)	11	(D)
500.0 acres or more		3	2,924	3	(D)	1	(D)
Cherries, tart	2007	3,028	49,561	2,309	37,412	1,264	12,149
	2002	2,955	47,138	2,190	38,419	1,330	8,719
2007 acres:							
0.1 to 0.9 acres		1,886	391	1,279	259	697	131
1.0 to 4.9 acres		417	730	333	566	144	164
5.0 to 14.9 acres		211	1,855	192	1,458	90	397
15.0 to 24.9 acres		122	2,316	117	1,966	53	351
25.0 to 49.9 acres		145	4,925	143	3,979	81	946
50.0 to 99.9 acres		133	9,282	132	7,569	96	1,713
100.0 acres or more		114	30,063	113	21,615	103	8,448
100.0 to 249.9 acres		83	12,976	82	9,768	72	3,209
250.0 to 499.9 acres		22	7,161	22	5,524	22	1,637
500.0 acres or more		9	9,926	9	6,323	9	3,602

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Table 35. **Specified Fruits and Nuts by Acres: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Acres	Farms	Acres
Noncitrus fruit, all (see text) - Con.						
Cherries, tart - Con.						
2002 acres:						
0.1 to 0.9 acres	1,758	392	1,097	229	750	163
1.0 to 4.9 acres	419	725	340	538	169	187
5.0 to 14.9 acres	231	2,066	223	1,818	79	248
15.0 to 24.9 acres	134	2,499	123	1,964	68	535
25.0 to 49.9 acres	165	5,633	162	4,635	83	998
50.0 to 99.9 acres	125	8,688	122	7,159	87	1,529
100.0 acres or more	123	27,134	123	22,074	94	5,060
100.0 to 249.9 acres	97	14,698	97	12,120	72	2,577
250.0 to 499.9 acres	17	5,467	17	4,497	14	970
500.0 acres or more	9	6,970	9	5,457	8	1,513
Coffee 2007	1,521	7,891	1,404	6,652	439	1,238
2002	1,202	7,986	1,123	6,568	375	1,418
Dates 2007	168	7,669	140	(D)	92	(D)
2002	209	7,585	187	5,710	104	1,874
Figs 2007	1,101	9,739	828	9,315	357	423
2002	812	14,274	627	13,772	258	502
Grapes 2007	25,892	1,051,407	22,947	973,638	8,509	77,769
2002	23,856	1,060,295	19,819	965,114	9,844	95,180
2007 acres:						
0.1 to 0.9 acres	6,009	1,683	4,555	1,196	1,917	488
1.0 to 4.9 acres	7,064	15,157	5,952	11,660	2,565	3,497
5.0 to 14.9 acres	4,710	39,631	4,432	33,838	1,571	5,793
15.0 to 24.9 acres	2,354	43,884	2,300	39,405	693	4,478
25.0 to 49.9 acres	2,244	78,266	2,219	72,072	635	6,194
50.0 to 99.9 acres	1,563	108,290	1,551	100,391	473	7,899
100.0 acres or more	1,948	764,495	1,938	715,076	655	49,419
100.0 to 249.9 acres	1,164	180,131	1,156	169,184	347	10,947
250.0 to 499.9 acres	453	154,287	452	145,602	160	8,685
500.0 acres or more	331	430,078	330	400,291	148	29,787
500.0 to 749.9 acres	137	83,503	136	77,751	56	5,751
750.0 to 999.9 acres	60	51,389	60	(D)	26	(D)
1,000.0 to 1,499.9 acres	63	76,128	63	(D)	31	(D)
1,500.0 acres or more	71	219,058	71	(D)	35	(D)
2002 acres:						
0.1 to 0.9 acres	5,641	1,542	3,801	969	2,264	574
1.0 to 4.9 acres	5,547	12,004	4,217	8,233	2,481	3,771
5.0 to 14.9 acres	4,315	36,617	3,797	28,319	1,857	8,298
15.0 to 24.9 acres	2,401	44,908	2,218	36,976	988	7,932
25.0 to 49.9 acres	2,305	80,453	2,196	69,542	896	10,911
50.0 to 99.9 acres	1,614	110,609	1,579	99,425	607	11,184
100.0 acres or more	2,033	774,163	2,011	721,652	751	52,511
100.0 to 249.9 acres	1,248	188,234	1,230	172,560	443	15,674
250.0 to 499.9 acres	435	149,925	431	138,872	161	11,053
500.0 acres or more	350	436,003	350	410,219	147	25,784
500.0 to 749.9 acres	145	87,141	145	(D)	52	(D)
750.0 to 999.9 acres	77	65,882	77	(D)	33	(D)
1,000.0 to 1,499.9 acres	59	(D)	59	(D)	28	(D)
1,500.0 acres or more	69	(D)	69	(D)	34	(D)
Guavas 2007	487	883	441	799	106	84
2002	308	1,213	239	959	95	254
Kiwifruit 2007	430	4,509	373	4,307	96	202
2002	474	4,984	425	4,594	129	390
Mangoes 2007	877	2,259	736	1,845	289	413
2002	623	1,938	464	1,600	267	338
Nectarines 2007	2,269	31,846	1,864	28,432	737	3,414
2002	2,261	45,645	1,845	39,159	901	6,486
Olives 2007	1,696	39,540	1,470	31,217	509	8,324
2002	1,549	39,591	1,352	36,526	503	3,064
Papayas 2007	586	2,501	520	1,926	188	575
2002	451	3,001	398	2,231	176	769
Passion fruit 2007	129	93	121	(D)	21	(D)
2002	66	53	43	32	25	21
Peaches, all (see text) 2007	13,582	149,237	11,102	126,226	5,094	23,014
2002	14,526	184,495	11,062	156,327	6,544	28,168
2007 acres:						
0.1 to 0.9 acres	6,351	1,765	4,597	(D)	2,287	(D)
1.0 to 4.9 acres	4,111	8,256	3,519	(D)	1,474	(D)
5.0 to 14.9 acres	1,589	12,672	1,488	10,667	572	2,005
15.0 to 24.9 acres	515	9,592	498	(D)	212	(D)
25.0 to 49.9 acres	453	15,417	444	13,230	223	2,187
50.0 to 99.9 acres	277	19,271	270	16,345	154	2,926
100.0 acres or more	286	82,265	286	69,946	172	12,320
100.0 to 249.9 acres	201	29,289	201	25,509	114	3,780
250.0 to 499.9 acres	50	16,684	50	14,411	34	2,273
500.0 to 749.9 acres	17	9,965	17	(D)	10	(D)
750.0 to 999.9 acres	3	2,551	3	(D)	2	(D)
1,000.0 acres or more	15	23,777	15	19,467	12	4,310
2002 acres:						
0.1 to 0.9 acres	6,253	1,790	3,921	1,057	2,807	733
1.0 to 4.9 acres	4,166	8,476	3,278	6,047	1,829	2,430
5.0 to 14.9 acres	1,990	16,144	1,811	12,985	827	3,159
15.0 to 24.9 acres	692	12,806	648	10,444	329	2,362
25.0 to 49.9 acres	607	21,046	601	18,259	289	2,787
50.0 to 99.9 acres	431	29,792	420	25,495	243	4,297
100.0 acres or more	387	94,442	383	82,041	220	12,401
100.0 to 249.9 acres	288	42,285	284	36,936	154	5,349
250.0 to 499.9 acres	69	22,690	69	19,593	45	3,097

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Table 35. **Specified Fruits and Nuts by Acres: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop		Total		Bearing age acres		Nonbearing age acres	
		Farms	Acres	Farms	Acres	Farms	Acres
Noncitrus fruit, all (see text) - Con.							
Peaches, all (see text) - Con.							
2002 acres - Con.							
100.0 acres or more - Con.							
500.0 to 749.9 acres		16	8,853	16	7,759	9	1,095
750.0 to 999.9 acres		6	5,108	6	4,648	5	460
1,000.0 acres or more		8	15,505	8	13,105	7	2,401
Pears, all	2007	9,878	68,216	7,882	62,995	3,100	5,224
	2002	10,809	80,801	7,884	71,483	4,506	9,318
2007 acres:							
0.1 to 0.9 acres		6,150	1,457	4,448	1,019	2,074	438
1.0 to 4.9 acres		2,095	3,805	1,848	3,153	567	655
5.0 to 14.9 acres		774	6,469	736	5,830	188	639
15.0 to 24.9 acres		272	5,034	266	4,646	69	388
25.0 to 49.9 acres		284	9,642	281	9,086	85	556
50.0 to 99.9 acres		185	12,427	185	11,672	68	755
100.0 acres or more		118	29,382	118	27,589	49	1,793
100.0 to 249.9 acres		88	12,418	88	11,646	36	772
250.0 to 499.9 acres		20	6,296	20	6,016	9	280
500.0 acres or more		10	10,669	10	9,927	4	742
2002 acres:							
0.1 to 0.9 acres		6,425	1,593	4,016	939	2,831	654
1.0 to 4.9 acres		2,237	4,288	1,803	3,230	864	1,058
5.0 to 14.9 acres		1,026	8,582	960	7,355	357	1,227
15.0 to 24.9 acres		378	7,012	376	6,329	128	683
25.0 to 49.9 acres		371	12,500	359	11,053	150	1,447
50.0 to 99.9 acres		235	15,753	235	14,438	106	1,315
100.0 acres or more		137	31,074	135	28,140	70	2,934
100.0 to 249.9 acres		112	16,475	110	14,867	56	1,608
250.0 to 499.9 acres		16	5,373	16	(D)	10	(D)
500.0 acres or more		9	9,227	9	(D)	4	(D)
Persimmons	2007	1,505	4,191	1,195	3,451	526	741
	2002	1,425	4,855	1,161	3,602	518	1,252
Plums and prunes	2007	6,987	109,319	5,623	97,901	2,294	11,420
	2002	7,300	148,839	5,476	130,054	3,166	18,784
2007 acres:							
0.1 to 0.9 acres		4,178	(D)	3,024	671	1,369	(D)
1.0 to 4.9 acres		1,152	2,130	995	1,711	367	419
5.0 to 14.9 acres		528	4,612	492	4,003	150	609
15.0 to 24.9 acres		307	5,826	299	5,303	83	523
25.0 to 49.9 acres		312	10,839	307	9,435	120	1,404
50.0 to 99.9 acres		248	17,307	247	(D)	94	(D)
100.0 acres or more		262	(D)	259	(D)	111	(D)
100.0 to 249.9 acres		197	(D)	194	(D)	77	(D)
250.0 to 499.9 acres		39	13,410	39	11,699	22	1,711
500.0 acres or more		26	24,317	26	21,846	12	2,471
2002 acres:							
0.1 to 0.9 acres		3,721	888	2,259	(D)	1,688	(D)
1.0 to 4.9 acres		1,225	2,378	980	1,700	531	678
5.0 to 14.9 acres		788	6,718	716	5,526	292	1,192
15.0 to 24.9 acres		364	6,882	347	5,865	133	1,016
25.0 to 49.9 acres		454	15,847	444	13,789	185	2,058
50.0 to 99.9 acres		370	25,578	356	21,930	166	3,648
100.0 acres or more		378	90,547	374	(D)	171	(D)
100.0 to 249.9 acres		279	(D)	277	(D)	128	(D)
250.0 to 499.9 acres		71	(D)	69	(D)	28	2,668
500.0 acres or more		28	24,598	28	22,329	15	2,269
Pluots (see text)	2007	308	4,332	258	3,843	97	489
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Pomegranates	2007	599	24,517	432	12,103	291	12,415
	2002	369	9,535	312	4,044	109	5,491
Other noncitrus fruit (see text)	2007	4,866	10,383	4,312	8,278	971	2,105
	2002	1,640	9,184	1,217	6,486	815	2,698
Citrus fruit, all	2007	15,658	1,005,806	14,934	944,312	3,738	61,495
	2002	17,727	1,279,324	16,750	1,198,212	4,675	81,112
2007 acres:							
0.1 to 0.9 acres		2,153	869	1,851	723	511	146
1.0 to 4.9 acres		4,269	9,307	4,056	8,309	940	998
5.0 to 14.9 acres		3,571	30,231	3,429	27,570	740	2,661
15.0 to 24.9 acres		1,523	28,752	1,487	26,405	337	2,347
25.0 to 49.9 acres		1,622	56,701	1,607	52,514	416	4,187
50.0 to 99.9 acres		1,082	73,984	1,069	68,065	294	5,919
100.0 to 249.9 acres		843	125,892	841	116,042	277	9,850
250.0 to 499.9 acres		297	102,461	296	95,013	102	7,449
500.0 to 749.9 acres		98	57,893	98	55,220	34	2,673
750.0 to 999.9 acres		37	31,642	37	29,597	14	2,046
1,000.0 acres or more		163	488,076	163	464,857	73	23,220
1,000.0 to 1,999.9 acres		100	133,267	100	125,260	50	8,008
2,000.0 to 2,999.9 acres		20	49,026	20	46,340	11	2,686
3,000.0 acres or more		43	305,783	43	293,257	12	12,526
2002 acres:							
0.1 to 0.9 acres		1,646	686	1,380	544	450	142
1.0 to 4.9 acres		4,239	9,549	3,888	8,064	1,198	1,484
5.0 to 14.9 acres		4,238	36,169	4,032	32,107	973	4,063
15.0 to 24.9 acres		2,007	38,136	1,935	34,290	476	3,846
25.0 to 49.9 acres		2,180	75,866	2,144	69,752	550	6,113
50.0 to 99.9 acres		1,490	102,665	1,453	94,060	403	8,605
100.0 to 249.9 acres		1,157	170,872	1,149	159,101	356	11,771
250.0 to 499.9 acres		409	139,385	409	133,081	131	6,304
500.0 to 749.9 acres		100	58,468	100	55,512	35	2,956
750.0 to 999.9 acres		69	59,137	69	55,841	23	3,297
1,000.0 acres or more		192	588,391	191	555,860	80	32,531
1,000.0 to 1,999.9 acres		106	142,794	105	132,735	42	10,059
2,000.0 to 2,999.9 acres		30	73,182	30	69,081	17	4,101
3,000.0 acres or more		56	372,416	56	354,045	21	18,371

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Table 35. **Specified Fruits and Nuts by Acres: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Acres	Farms	Acres
Citrus fruit, all - Con.						
Grapefruit 2007	2,923	102,578	2,751	96,675	519	5,903
2002	4,006	156,869	3,759	149,416	810	7,453
2007 acres:						
0.1 to 0.9 acres	743	201	644	175	131	26
1.0 to 4.9 acres	773	1,677	743	1,525	136	152
5.0 to 14.9 acres	751	6,093	724	5,639	112	454
15.0 to 24.9 acres	198	3,695	191	3,494	30	201
25.0 to 49.9 acres	187	6,354	181	5,831	45	523
50.0 to 99.9 acres	120	8,068	119	7,428	28	640
100.0 acres or more	151	76,490	149	72,583	37	3,907
100.0 to 249.9 acres	83	12,685	81	11,697	19	988
250.0 to 499.9 acres	33	11,233	33	10,667	6	565
500.0 to 749.9 acres	13	8,026	13	(D)	4	(D)
750.0 to 999.9 acres	5	4,304	5	(D)	3	(D)
1,000.0 acres or more	17	40,243	17	(D)	5	(D)
2002 acres:						
0.1 to 0.9 acres	791	246	652	199	210	48
1.0 to 4.9 acres	957	2,129	899	1,877	221	252
5.0 to 14.9 acres	1,094	8,895	1,060	8,359	167	536
15.0 to 24.9 acres	380	7,151	372	6,674	62	477
25.0 to 49.9 acres	344	11,562	340	10,902	60	660
50.0 to 99.9 acres	192	12,991	188	12,254	37	737
100.0 acres or more	248	113,895	248	109,152	53	4,744
100.0 to 249.9 acres	135	20,243	135	19,322	24	920
250.0 to 499.9 acres	62	20,578	62	19,576	17	1,002
500.0 to 749.9 acres	14	8,065	14	(D)	2	(D)
750.0 to 999.9 acres	14	11,926	14	(D)	3	(D)
1,000.0 acres or more	23	53,084	23	51,251	7	1,833
Kumquats 2007	154	183	129	164	38	19
2002	114	192	106	(D)	14	(D)
Lemons 2007	2,607	66,972	2,364	62,718	575	4,254
2002	2,142	80,898	1,969	73,275	540	7,622
2007 acres:						
0.1 to 0.9 acres	1,000	235	831	198	217	37
1.0 to 4.9 acres	559	1,135	525	991	107	144
5.0 to 14.9 acres	403	3,398	379	3,046	87	353
15.0 to 24.9 acres	198	3,778	188	3,346	47	431
25.0 to 49.9 acres	180	6,298	174	5,820	41	478
50.0 to 99.9 acres	127	9,045	127	8,380	36	665
100.0 acres or more	140	43,083	140	40,937	40	2,146
100.0 to 249.9 acres	95	13,735	95	12,874	28	861
250.0 to 499.9 acres	25	8,199	25	7,754	7	445
500.0 acres or more	20	21,149	20	20,310	5	839
2002 acres:						
0.1 to 0.9 acres	499	123	402	96	124	27
1.0 to 4.9 acres	459	1,002	420	844	118	158
5.0 to 14.9 acres	401	3,539	380	3,075	97	465
15.0 to 24.9 acres	200	3,824	186	3,343	50	481
25.0 to 49.9 acres	238	8,100	238	7,653	53	447
50.0 to 99.9 acres	158	11,007	158	10,495	38	513
100.0 acres or more	187	53,303	185	47,770	60	5,532
100.0 to 249.9 acres	129	19,303	127	17,622	41	1,681
250.0 to 499.9 acres	42	14,008	42	13,199	15	808
500.0 acres or more	16	19,992	16	16,949	4	3,043
Limes 2007	862	1,251	756	1,135	192	116
2002	633	1,368	557	1,258	147	110
Oranges, all 2007	12,116	785,856	11,612	742,625	2,611	43,230
2002	14,288	987,743	13,515	925,635	3,581	62,108
2007 acres:						
0.1 to 0.9 acres	1,702	570	1,477	486	340	84
1.0 to 4.9 acres	2,935	6,518	2,814	5,949	529	568
5.0 to 14.9 acres	2,922	24,636	2,815	22,577	572	2,060
15.0 to 24.9 acres	1,219	23,020	1,193	21,225	255	1,796
25.0 to 49.9 acres	1,329	46,365	1,318	43,018	327	3,348
50.0 to 99.9 acres	901	61,500	891	56,892	228	4,608
100.0 acres or more	1,108	623,246	1,104	592,479	360	30,767
100.0 to 249.9 acres	642	95,175	639	88,735	192	6,440
250.0 to 499.9 acres	241	83,506	240	77,101	79	6,405
500.0 acres or more	225	444,566	225	426,644	89	17,923
500.0 to 749.9 acres	65	38,551	65	36,897	25	1,654
750.0 to 999.9 acres	38	33,037	38	31,589	16	1,448
1,000.0 to 1,499.9 acres	47	54,102	47	51,659	22	2,443
1,500.0 acres or more	75	318,877	75	306,498	26	12,379
2002 acres:						
0.1 to 0.9 acres	1,489	573	1,264	457	399	116
1.0 to 4.9 acres	3,187	7,381	2,937	6,333	828	1,049
5.0 to 14.9 acres	3,532	29,809	3,354	26,654	775	3,154
15.0 to 24.9 acres	1,627	31,013	1,575	28,248	353	2,766
25.0 to 49.9 acres	1,778	61,630	1,747	56,884	436	4,745
50.0 to 99.9 acres	1,222	83,724	1,192	76,582	332	7,142
100.0 acres or more	1,453	773,612	1,446	730,476	458	43,136
100.0 to 249.9 acres	885	132,263	879	123,270	262	8,993
250.0 to 499.9 acres	292	99,448	292	94,319	95	5,129
500.0 acres or more	276	541,901	275	512,887	101	29,014
500.0 to 749.9 acres	83	49,364	83	47,770	27	1,594
750.0 to 999.9 acres	57	48,745	57	46,040	16	2,705
1,000.0 to 1,499.9 acres	49	59,624	48	55,298	19	4,326
1,500.0 acres or more	87	384,168	87	363,779	39	20,389
Valencia oranges 2007	6,537	354,288	6,295	335,131	1,160	19,157
2002	8,635	457,922	8,282	429,272	1,625	28,650
2007 acres:						
0.1 to 0.9 acres	956	330	830	294	161	36
1.0 to 4.9 acres	1,621	3,679	1,560	3,387	276	293
5.0 to 14.9 acres	1,744	14,975	1,711	14,004	263	971
15.0 to 24.9 acres	690	13,018	675	12,218	121	800
25.0 to 49.9 acres	663	22,876	661	21,687	124	1,189

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Table 35. **Specified Fruits and Nuts by Acres: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Acres	Farms	Acres
Citrus fruit, all - Con.						
Oranges, all - Con.						
Valencia oranges - Con.						
2007 acres - Con.						
50.0 to 99.9 acres	395	26,057	392	24,591	89	1,466
100.0 acres or more	468	273,353	466	258,950	126	14,403
100.0 to 249.9 acres	255	39,457	254	37,354	56	2,102
250.0 to 499.9 acres	107	37,252	106	(D)	35	(D)
500.0 acres or more	106	196,645	106	(D)	35	(D)
500.0 to 749.9 acres	30	(D)	30	(D)	10	1,119
750.0 to 999.9 acres	20	(D)	20	(D)	6	(D)
1,000.0 to 1,499.9 acres	23	(D)	23	(D)	9	(D)
1,500.0 acres or more	33	133,489	33	126,998	10	6,491
2002 acres:						
0.1 to 0.9 acres	937	318	820	265	192	53
1.0 to 4.9 acres	2,141	5,094	2,035	4,614	392	480
5.0 to 14.9 acres	2,389	20,078	2,307	18,519	387	1,559
15.0 to 24.9 acres	1,012	18,996	990	17,793	175	1,204
25.0 to 49.9 acres	986	33,739	968	31,430	210	2,309
50.0 to 99.9 acres	555	37,708	548	35,218	118	2,490
100.0 acres or more	615	341,989	614	321,434	151	20,555
100.0 to 249.9 acres	370	54,793	370	52,176	86	2,617
250.0 to 499.9 acres	108	38,870	108	(D)	20	(D)
500.0 acres or more	137	248,327	136	(D)	45	(D)
500.0 to 749.9 acres	39	23,409	39	(D)	12	(D)
750.0 to 999.9 acres	28	23,727	27	(D)	10	(D)
1,000.0 to 1,499.9 acres	26	(D)	26	(D)	4	685
1,500.0 acres or more	44	(D)	44	(D)	19	(D)
Other oranges (see text) 2007	9,659	431,568	9,242	407,494	2,016	24,073
2002	11,786	529,821	11,135	496,362	2,677	33,459
2007 acres:						
0.1 to 0.9 acres	1,540	463	1,354	402	281	62
1.0 to 4.9 acres	2,378	5,575	2,281	5,131	398	445
5.0 to 14.9 acres	2,391	20,056	2,296	18,397	462	1,659
15.0 to 24.9 acres	987	18,618	967	17,012	224	1,606
25.0 to 49.9 acres	1,038	36,111	1,026	33,459	260	2,652
50.0 to 99.9 acres	620	42,829	615	39,274	166	3,555
100.0 acres or more	705	307,915	703	293,821	225	14,094
100.0 to 249.9 acres	422	63,930	420	59,879	128	4,050
250.0 to 499.9 acres	153	50,699	153	46,659	55	4,040
500.0 acres or more	130	193,286	130	187,283	42	6,004
500.0 to 749.9 acres	50	29,718	50	28,586	14	1,132
750.0 to 999.9 acres	26	22,400	26	21,889	7	511
1,000.0 to 1,499.9 acres	23	27,322	23	25,870	13	1,452
1,500.0 acres or more	31	113,847	31	110,937	8	2,910
2002 acres:						
0.1 to 0.9 acres	1,410	504	1,186	395	374	109
1.0 to 4.9 acres	2,890	7,011	2,704	6,254	575	757
5.0 to 14.9 acres	3,084	26,093	2,948	23,723	595	2,370
15.0 to 24.9 acres	1,281	24,367	1,238	22,281	272	2,086
25.0 to 49.9 acres	1,388	47,937	1,356	43,948	350	3,989
50.0 to 99.9 acres	837	57,256	809	51,536	249	5,720
100.0 acres or more	896	366,654	894	348,226	262	18,429
100.0 to 249.9 acres	565	84,934	564	79,722	151	5,213
250.0 to 499.9 acres	176	60,902	175	56,825	58	4,077
500.0 acres or more	155	220,818	155	211,679	53	9,139
500.0 to 749.9 acres	59	35,216	59	33,554	19	1,661
750.0 to 999.9 acres	27	22,970	27	20,885	13	2,086
1,000.0 to 1,499.9 acres	28	32,249	28	30,962	10	1,287
1,500.0 acres or more	41	130,383	41	126,278	11	4,105
Tangelos 2007	800	9,694	737	8,932	140	762
2002	961	14,382	906	13,641	187	740
Tangerines 2007	1,976	36,965	1,756	30,072	479	6,893
2002	1,731	31,419	1,590	29,040	366	2,379
Temples 2007	116	1,211	114	1,198	12	13
2002	345	3,678	344	(D)	16	(D)
Other citrus fruit (see text) 2007	407	1,097	359	792	134	305
2002	461	2,624	360	2,046	175	579
Nuts, all (see text) 2007	39,480	1,857,179	34,776	1,553,492	13,268	303,687
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Almonds 2007	6,700	790,245	5,956	649,953	2,820	140,292
2002	6,482	696,635	6,004	625,616	2,434	71,019
2007 acres:						
0.1 to 0.9 acres	466	98	321	69	171	29
1.0 to 4.9 acres	493	1,231	445	1,045	155	186
5.0 to 14.9 acres	1,063	9,716	907	7,801	356	1,916
15.0 to 24.9 acres	1,077	19,954	957	16,004	466	3,950
25.0 to 49.9 acres	1,095	38,702	970	30,066	470	8,636
50.0 to 99.9 acres	900	63,683	823	51,172	383	12,511
100.0 acres or more	1,606	656,860	1,533	543,795	819	113,065
100.0 to 249.9 acres	927	146,611	869	119,021	448	27,590
250.0 to 499.9 acres	389	137,479	377	113,289	211	24,191
500.0 to 749.9 acres	139	82,386	136	70,366	76	12,021
750.0 to 999.9 acres	51	43,630	51	38,534	26	5,096
1,000.0 acres or more	100	246,754	100	202,586	58	44,168
2002 acres:						
0.1 to 0.9 acres	236	(D)	164	(D)	81	(D)
1.0 to 4.9 acres	554	1,518	482	1,178	210	340
5.0 to 14.9 acres	1,062	(D)	947	(D)	318	(D)
15.0 to 24.9 acres	1,036	19,458	931	15,741	418	3,717
25.0 to 49.9 acres	1,068	38,200	1,026	33,210	403	4,990
50.0 to 99.9 acres	944	(D)	895	57,444	360	(D)
100.0 acres or more	1,582	561,990	1,559	509,900	644	52,090
100.0 to 249.9 acres	961	145,393	941	130,729	375	14,664
250.0 to 499.9 acres	374	128,534	372	116,580	161	11,954

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Table 35. **Specified Fruits and Nuts by Acres: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Acres	Farms	Acres
Nuts, all (see text) - Con.						
Almonds - Con.						
2002 acres - Con.						
100.0 acres or more - Con.						
500.0 to 749.9 acres	126	74,394	125	67,148	53	7,246
750.0 to 999.9 acres	51	44,063	51	40,935	21	3,127
1,000.0 acres or more	70	169,606	70	154,507	34	15,099
Chestnuts (see text) 2007	1,200	3,335	845	2,072	538	1,262
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hazelnuts (Filberts) 2007	1,557	34,465	1,218	31,903	522	2,562
2002	1,231	33,801	1,042	31,753	385	2,049
Macadamia nuts 2007	1,150	17,811	1,042	16,732	234	1,079
2002	1,059	18,682	979	17,962	238	720
Pecans, all (see text) 2007	21,856	581,809	19,248	506,181	6,560	75,628
2002	22,371	545,344	16,980	408,079	10,670	137,265
2007 acres:						
0.1 to 0.9 acres	2,107	710	1,484	492	801	218
1.0 to 4.9 acres	6,708	15,582	5,754	12,371	1,942	3,211
5.0 to 14.9 acres	6,288	49,923	5,608	40,576	1,909	9,347
15.0 to 24.9 acres	2,357	43,548	2,182	36,557	646	6,992
25.0 to 49.9 acres	2,011	67,322	1,920	58,571	527	8,751
50.0 to 99.9 acres	1,283	84,035	1,232	73,391	338	10,644
100.0 acres or more	1,102	320,689	1,068	284,224	397	36,465
100.0 to 249.9 acres	758	107,453	733	93,016	277	14,437
250.0 to 499.9 acres	198	65,494	194	56,744	73	8,750
500.0 to 749.9 acres	76	45,012	71	38,810	25	6,202
750.0 to 999.9 acres	21	17,485	21	15,562	8	1,923
1,000.0 acres or more	49	85,245	49	80,093	14	5,153
2002 acres:						
0.1 to 0.9 acres	2,062	731	1,262	429	987	303
1.0 to 4.9 acres	7,110	16,603	5,290	10,655	3,238	5,948
5.0 to 14.9 acres	6,623	53,270	4,922	33,327	3,338	19,943
15.0 to 24.9 acres	2,370	43,762	1,891	29,125	1,109	14,636
25.0 to 49.9 acres	2,080	69,559	1,699	45,780	1,043	23,780
50.0 to 99.9 acres	1,195	78,248	1,039	54,044	578	24,204
100.0 acres or more	931	283,170	877	234,718	377	48,452
100.0 to 249.9 acres	606	88,686	566	68,817	250	19,869
250.0 to 499.9 acres	198	66,640	188	53,215	78	13,425
500.0 to 749.9 acres	71	42,658	69	36,598	26	6,060
750.0 to 999.9 acres	18	15,610	18	13,401	9	2,208
1,000.0 acres or more	38	69,577	36	62,687	14	6,890
Pecans, improved (see text) 2007	12,869	308,634	11,142	266,081	3,962	42,553
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Pecans, native and seedlings (see text) 2007	11,180	273,175	9,955	240,100	3,008	33,075
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Pistachios 2007	1,306	154,103	1,070	117,044	498	37,059
2002	1,320	126,569	1,097	95,040	483	31,529
2007 acres:						
0.1 to 0.9 acres	104	34	72	(D)	33	(D)
1.0 to 4.9 acres	205	457	154	310	80	147
5.0 to 14.9 acres	233	1,992	198	1,596	74	395
15.0 to 24.9 acres	153	2,933	134	2,534	37	399
25.0 to 49.9 acres	194	7,036	160	(D)	73	(D)
50.0 to 99.9 acres	152	10,658	125	7,659	76	2,998
100.0 acres or more	265	130,994	227	99,620	125	31,374
100.0 to 249.9 acres	146	(D)	123	(D)	62	6,192
250.0 to 499.9 acres	63	(D)	54	(D)	34	7,713
500.0 to 749.9 acres	22	13,263	17	7,625	13	5,638
750.0 to 999.9 acres	9	7,862	8	6,665	3	1,197
1,000.0 acres or more	25	65,130	25	54,496	13	10,634
2002 acres:						
0.1 to 0.9 acres	74	28	55	(D)	26	(D)
1.0 to 4.9 acres	250	575	199	(D)	103	(D)
5.0 to 14.9 acres	254	2,235	188	1,520	112	715
15.0 to 24.9 acres	190	3,654	164	3,033	44	621
25.0 to 49.9 acres	213	7,778	184	6,179	65	1,599
50.0 to 99.9 acres	135	9,359	121	7,592	47	1,767
100.0 acres or more	204	102,941	186	(D)	86	(D)
100.0 to 249.9 acres	121	(D)	113	(D)	41	(D)
250.0 to 499.9 acres	42	14,199	34	9,615	24	4,584
500.0 to 749.9 acres	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
750.0 to 999.9 acres	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1,000.0 acres or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Walnuts, English 2007	7,161	267,751	6,385	225,106	2,421	42,644
2002	7,025	292,691	6,291	244,907	2,574	47,784
2007 acres:						
0.1 to 0.9 acres	1,228	314	904	224	397	90
1.0 to 4.9 acres	1,758	3,938	1,571	3,335	462	603
5.0 to 14.9 acres	1,479	12,222	1,369	10,344	499	1,878
15.0 to 24.9 acres	737	13,810	685	11,676	229	2,133
25.0 to 49.9 acres	764	26,747	710	22,455	271	4,292
50.0 to 99.9 acres	553	38,512	522	32,092	227	6,421
100.0 acres or more	642	172,209	624	144,981	336	27,228
100.0 to 249.9 acres	438	66,209	423	54,763	227	11,446
250.0 to 499.9 acres	148	49,533	146	43,171	75	6,362
500.0 to 749.9 acres	36	22,152	35	18,798	22	3,354
750.0 to 999.9 acres	6	5,115	6	4,060	4	1,055
1,000.0 acres or more	14	29,200	14	24,189	8	5,011
2002 acres:						
0.1 to 0.9 acres	681	218	505	150	225	68
1.0 to 4.9 acres	1,670	3,991	1,426	3,137	544	854
5.0 to 14.9 acres	1,617	13,854	1,483	11,546	511	2,308
15.0 to 24.9 acres	816	15,230	747	12,671	281	2,559

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Table 35. **Specified Fruits and Nuts by Acres: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Acres	Farms	Acres
Nuts, all (see text) - Con.						
Walnuts, English - Con.						
2002 acres - Con.						
25.0 to 49.9 acres	891	30,963	831	26,005	348	4,958
50.0 to 99.9 acres	669	45,709	639	38,606	287	7,104
100.0 acres or more	681	182,725	660	152,792	378	29,933
100.0 to 249.9 acres	480	72,168	464	60,756	252	11,412
250.0 to 499.9 acres	145	48,764	140	40,608	84	8,156
500.0 to 749.9 acres	30	17,271	30	15,068	20	2,203
750.0 to 999.9 acres	6	5,103	6	4,724	6	379
1,000.0 acres or more	20	39,419	20	31,636	16	7,784
Other nuts (see text) 2007	1,302	7,661	887	4,500	666	3,161
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Table 36. **Berries: 2007 and 2002**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Crop	2007						2002 acres harvested	
	Total acres		Acres harvested		Acres not harvested			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
Blackberries and dewberries	5,694	14,874	4,471	10,728	1,873	4,146	3,565	10,210
Blueberries, tame	9,991	77,150	7,516	60,353	3,790	16,797	6,428	52,002
0.1 to 0.9 acres	4,279	1,283	3,022	864	1,473	418	(NA)	(NA)
1.0 to 4.9 acres	3,735	6,960	2,759	4,701	1,470	2,259	(NA)	(NA)
5.0 to 14.9 acres	1,079	8,560	915	6,339	421	2,221	(NA)	(NA)
15.0 to 24.9 acres	305	5,549	276	4,328	126	1,220	(NA)	(NA)
25.0 to 49.9 acres	277	9,322	242	6,920	129	2,403	(NA)	(NA)
50.0 to 99.9 acres	160	10,392	150	8,514	73	1,877	(NA)	(NA)
100.0 acres or more	156	35,085	152	28,686	98	6,399	(NA)	(NA)
Blueberries, wild	907	45,763	728	23,492	582	22,271	665	23,851
Boysenberries	304	1,068	270	823	61	245	320	1,097
Cranberries	1,134	41,310	1,088	38,597	385	2,712	1,099	40,685
Currants	323	382	276	253	74	129	103	294
Loganberries	97	93	89	77	11	16	129	(D)
Raspberries, all	6,588	21,554	5,719	19,363	1,405	2,191	4,521	19,888
Strawberries	8,638	58,718	7,807	55,601	1,976	3,117	6,799	55,866
0.1 to 0.9 acres	4,377	1,190	3,814	995	815	195	2,821	843
1.0 to 4.9 acres	2,879	5,665	2,633	4,767	769	899	2,485	5,011
5.0 to 14.9 acres	855	6,621	837	5,741	305	880	864	6,586
15.0 to 24.9 acres	165	3,004	163	2,764	41	240	174	3,251
25.0 to 49.9 acres	148	4,914	146	4,536	27	379	201	6,758
50.0 to 99.9 acres	95	6,643	95	6,475	11	168	126	8,799
100.0 acres or more	119	30,681	119	30,323	8	357	128	24,618
Other berries	856	828	691	503	227	325	353	(D)

Table 37. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Crops		Under glass or other protection		In the open		Value of sales	
		Farms	Square feet	Farms	Acres	Farms	Dollars
Aquatic plants	2007	364	1,712,080	423	1,128	651	35,193,380
	2002	621	3,546,388	581	1,259	(NA)	(NA)
Bulbs, corms, rhizomes, and tubers-dry	2007	247	2,111,759	717	6,060	896	90,304,021
	2002	576	4,043,848	1,097	9,300	(NA)	(NA)
Cuttings, seedlings, liners, and plugs (see text)	2007	1,066	29,975,544	612	4,089	1,447	440,932,591
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Floriculture crops - bedding/garden plants, cut flowers and cut florist greens, foliage plants, potted flowering plants, and other floriculture and bedding crops, total	2007	18,670	819,940,649	13,154	54,196	26,137	6,466,885,753
	2002	21,728	973,658,415	14,579	68,214	(NA)	(NA)
Bedding/garden plants	2007	14,747	361,050,691	7,120	18,647	18,337	3,763,633,057
	2002	16,849	386,963,439	7,574	21,484	(NA)	(NA)
Cut flowers and cut florist greens	2007	1,316	174,339,910	4,343	25,698	5,056	711,369,050
	2002	1,754	230,313,795	4,821	33,079	(NA)	(NA)
Foliage plants, indoor	2007	2,099	139,863,389	883	4,846	2,593	733,423,833
	2002	3,237	183,251,147	1,618	8,231	(NA)	(NA)
Potted flowering plants	2007	5,006	142,637,616	1,969	4,211	6,257	1,239,520,013
	2002	6,806	173,130,034	2,625	5,419	(NA)	(NA)
Other floriculture and bedding crops	2007	172	2,049,043	182	794	301	18,939,800
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Flower seeds	2007	191	319,577	320	9,709	491	35,995,358
	2002	340	1,187,990	392	8,256	(NA)	(NA)
Greenhouse fruits and berries (see text)	2007	249	(D)	(X)	(X)	244	11,422,793
	2002	(NA)	(NA)	(X)	(X)	(NA)	(NA)
Total greenhouse vegetables and fresh cut herbs (see text)	2007	4,075	61,765,935	(X)	(X)	4,056	553,034,688
	2002	3,416	64,364,430	(X)	(X)	(NA)	(NA)
2007 farms by area:							
1 to 999 square feet		1,223	474,448	(X)	(X)	1,213	4,546,195
1,000 to 1,999 square feet		648	892,411	(X)	(X)	645	10,180,513
2,000 to 2,999 square feet		579	1,398,906	(X)	(X)	578	12,781,997
3,000 to 3,999 square feet		449	1,449,212	(X)	(X)	447	10,927,213
4,000 to 5,999 square feet		397	1,867,511	(X)	(X)	394	15,135,670
6,000 to 9,999 square feet		326	2,380,424	(X)	(X)	326	27,713,090
10,000 or more square feet		453	53,303,023	(X)	(X)	453	471,750,010
10,000 to 19,999 square feet		221	2,841,320	(X)	(X)	221	22,917,726
20,000 to 39,999 square feet		113	2,899,874	(X)	(X)	113	24,690,521
40,000 or more square feet		119	47,561,829	(X)	(X)	119	424,141,763
Greenhouse tomatoes (see text)	2007	2,926	43,949,871	(X)	(X)	2,919	393,783,610
	2002	(NA)	(NA)	(X)	(X)	(NA)	(NA)
Other greenhouse vegetables and fresh cut herbs (see text)	2007	2,032	17,816,064	(X)	(X)	2,015	159,251,078
	2002	(NA)	(NA)	(X)	(X)	(NA)	(NA)
Mushrooms (see text)	2007	462	45,308,740	(X)	(X)	460	985,295,349
	2002	462	48,339,412	(X)	(X)	(NA)	(NA)
2007 farms by area:							
1 to 999 square feet		197	39,737	(X)	(X)	195	772,263
1,000 to 1,999 square feet		31	38,330	(X)	(X)	31	419,778
2,000 to 4,999 square feet		52	165,921	(X)	(X)	52	2,919,535
5,000 to 9,999 square feet		23	150,692	(X)	(X)	23	3,720,091
10,000 to 19,999 square feet		20	284,337	(X)	(X)	20	6,005,622
20,000 to 49,999 square feet		33	1,107,882	(X)	(X)	33	38,122,884
50,000 to 99,999 square feet		27	2,073,157	(X)	(X)	27	46,801,948
100,000 to 199,999 square feet		30	4,349,647	(X)	(X)	30	104,418,008
200,000 to 499,999 square feet		29	8,528,122	(X)	(X)	29	207,358,389
500,000 to 999,999 square feet		11	6,736,549	(X)	(X)	11	266,868,374
1,000,000 or more square feet		9	21,834,366	(X)	(X)	9	307,888,457
Mushroom spawn (see text)	2007	16	(X)	(X)	(X)	16	33,919,494
	2002	(NA)	(X)	(X)	(X)	(NA)	(NA)
Nursery stock	2007	4,590	221,813,698	20,906	446,496	22,130	6,568,562,723
	2002	4,956	187,765,579	23,272	463,631	(NA)	(NA)
Other nursery crops	2007	228	1,431,170	543	3,628	693	48,475,835
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sod harvested	2007	(X)	(X)	1,881	409,440	1,878	1,353,422,529
	2002	(X)	(X)	2,124	386,504	(NA)	(NA)
2007 farms by area:							
0 to 14.9 acres		(X)	(X)	369	2,177	367	10,160,738
15.0 to 49.9 acres		(X)	(X)	352	10,202	352	34,233,766
50.0 to 99.9 acres		(X)	(X)	290	19,580	289	60,388,713
100.0 to 249.9 acres		(X)	(X)	402	63,136	402	227,818,120
250.0 to 399.9 acres		(X)	(X)	185	56,689	185	183,182,984
400.0 to 749.9 acres		(X)	(X)	168	86,102	168	305,368,450
750 acres or more		(X)	(X)	115	171,556	115	532,269,758
Tobacco plants sold for transplant	2007	438	3,964,653	7	3	442	9,289,259
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Vegetable seeds	2007	361	837,940	805	45,309	1,097	99,694,490
	2002	542	1,864,522	1,231	56,939	(NA)	(NA)
Vegetable transplants	2007	1,135	20,247,905	290	1,233	1,313	121,929,991
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Table 38. **Woodland Crops: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Crop	Acres in production		Harvested		Irrigated	
	Farms	Acres	Farms	Trees cut	Farms	Acres
Cut Christmas trees 2007	17,367	343,374	12,255	17,415,971	1,531	13,912
2002	21,904	446,996	13,849	20,808,065	(NA)	(NA)
2007 farms by acres in production:						
1 to 2 acres	4,241	6,051	2,521	200,049	432	546
3 to 4 acres	2,669	9,168	1,744	319,391	260	702
5 to 9 acres	3,880	23,830	2,822	819,780	341	1,521
10 to 19 acres	3,180	39,584	2,312	1,201,239	215	1,557
20 to 49 acres	2,242	63,879	1,736	1,870,187	163	2,529
50 to 99 acres	637	41,672	610	1,659,067	58	1,105
100 acres or more	518	159,190	510	11,346,258	62	5,952
2002 farms by acres in production:						
1 to 2 acres	4,508	6,773	2,406	277,487	(NA)	(NA)
3 to 4 acres	3,308	11,352	2,049	382,535	(NA)	(NA)
5 to 9 acres	5,148	31,545	3,250	1,120,047	(NA)	(NA)
10 to 19 acres	4,087	50,237	2,607	1,569,276	(NA)	(NA)
20 to 49 acres	3,292	93,543	2,067	2,507,069	(NA)	(NA)
50 to 99 acres	875	57,082	785	2,302,856	(NA)	(NA)
100 acres or more	686	196,464	685	12,648,795	(NA)	(NA)

Crop	Acres in production		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres
Short-rotation woody crops 2007	4,717	228,335	1,769	31,007	668	(D)
2002	6,285	288,686	1,940	31,920	(NA)	(NA)
2007 farms by acres in production:						
1 to 9 acres	1,948	7,052	751	1,572	433	1,098
10 to 49 acres	1,926	43,191	696	7,310	178	2,484
50 to 99 acres	484	32,844	185	5,313	35	1,151
100 to 249 acres	270	38,571	90	5,409	12	468
250 to 499 acres	56	18,050	24	2,479	6	1,700
500 acres or more	33	88,627	23	8,924	4	(D)
500 to 749 acres	16	9,489	12	1,212	2	(D)
750 to 999 acres	2	(D)	1	(D)	-	-
1,000 to 1,999 acre	5	7,486	2	(D)	-	-
2,000 to 2,999 acres	5	12,185	4	2,870	-	-
3,000 to 4,999 acres	2	(D)	1	(D)	-	-
5,000 to 9,999 acres	1	(D)	1	(D)	1	(D)
10,000 acres or more	2	(D)	2	(D)	1	(D)
2002 farms by acres in production:						
1 to 9 acres	2,892	9,193	910	1,928	(NA)	(NA)
10 to 49 acres	2,335	50,016	726	6,985	(NA)	(NA)
50 to 99 acres	570	38,393	139	4,562	(NA)	(NA)
100 to 249 acres	353	51,041	108	6,446	(NA)	(NA)
250 to 499 acres	92	31,320	33	2,836	(NA)	(NA)
500 acres or more	43	108,723	24	9,163	(NA)	(NA)
500 to 749 acres	19	12,158	10	(D)	(NA)	(NA)
750 to 999 acres	4	3,565	2	(D)	(NA)	(NA)
1,000 to 1,999 acre	10	12,186	4	(D)	(NA)	(NA)
2,000 to 2,999 acres	3	7,090	2	(D)	(NA)	(NA)
3,000 to 4,999 acres	4	15,662	3	785	(NA)	(NA)
5,000 to 9,999 acres	-	-	-	-	(NA)	(NA)
10,000 acres or more	3	58,062	3	(D)	(NA)	(NA)

Crop	Taps set		Syrup produced	
	Farms	Number	Farms	Gallons
Maple syrup 2007	8,121	8,369,856	8,121	1,582,101
2002	8,068	8,230,772	8,068	1,651,552
2007 farms by number of taps:				
1 to 99 taps	2,568	87,977	2,568	16,495
100 to 499 taps	2,629	617,018	2,629	98,749
500 to 999 taps	1,083	724,334	1,083	115,795
1,000 to 1,999 taps	848	1,090,285	848	191,944
2,000 to 2,999 taps	372	855,480	372	151,683
3,000 to 4,999 taps	302	1,084,031	302	207,224
5,000 to 9,999 taps	193	1,236,157	193	250,038
10,000 taps or more	126	2,674,574	126	550,173
2002 farms by number of taps:				
1 to 99 taps	1,836	67,287	1,836	14,851
100 to 499 taps	2,920	728,751	2,920	139,656
500 to 999 taps	1,230	824,040	1,230	160,409
1,000 to 1,999 taps	1,089	1,382,581	1,089	275,678
2,000 to 2,999 taps	412	935,869	412	187,129
3,000 to 4,999 taps	288	1,031,686	288	206,181
5,000 to 9,999 taps	190	1,260,415	190	254,872
10,000 taps or more	103	2,000,143	103	412,776

Table 39. **Grain Storage Capacity: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Grain storage capacity	2007		2002	
	Farms	Bushels	Farms	Bushels
Grain storage capacity	309,365	11,333,050,084	346,977	9,889,959,099
Average capacity per farm	(X)	36,633	(X)	28,503
Capacity by bushels:				
1 to 4,999 bushels	72,996	149,803,989	93,028	190,308,785
5,000 to 9,999 bushels	43,349	295,027,844	53,101	359,773,084
10,000 to 19,999 bushels	55,442	744,898,776	65,279	875,539,678
20,000 to 29,999 bushels	32,981	768,701,110	37,589	872,530,478
30,000 to 49,999 bushels	37,909	1,405,588,877	39,900	1,474,577,373
50,000 to 99,999 bushels	38,030	2,541,879,171	36,797	2,430,725,447
100,000 to 249,999 bushels	23,385	3,314,953,337	18,278	2,527,922,601
250,000 bushels or more	5,273	2,112,196,980	3,005	1,158,581,653
Capacity by land in farms:				
1 to 9 acres	3,257	32,563,500	2,521	20,035,612
10 to 49 acres	14,843	129,324,385	15,020	107,729,277
50 to 69 acres	6,857	53,152,595	7,584	50,268,431
70 to 99 acres	12,851	98,210,781	14,738	93,939,991
100 to 139 acres	15,516	129,745,208	18,096	137,209,303
140 to 179 acres	17,507	179,008,687	21,278	192,650,253
180 to 219 acres	13,476	154,730,047	16,336	162,338,496
220 to 259 acres	13,328	175,613,703	16,159	193,402,035
260 to 499 acres	57,544	1,074,963,797	68,008	1,112,229,998
500 to 999 acres	62,463	2,163,369,530	71,528	2,095,584,100
1,000 to 1,999 acres	49,081	2,930,335,005	54,108	2,634,988,733
2,000 to 4,999 acres	32,503	3,007,664,783	32,128	2,252,287,675
5,000 acres or more	10,139	1,204,368,063	9,473	837,295,195
Capacity by harvested cropland:				
0 to 9 acres	25,816	381,175,623	28,832	363,252,688
10 to 49 acres	25,012	140,828,684	29,737	156,772,444
50 to 69 acres	11,647	77,291,724	14,352	84,272,234
70 to 99 acres	15,514	123,039,399	18,270	132,741,413
100 to 139 acres	18,950	180,756,105	23,044	206,880,939
140 to 179 acres	17,015	206,745,649	20,697	230,293,970
180 to 219 acres	14,326	197,260,598	17,401	223,990,701
220 to 259 acres	12,550	199,562,959	15,189	224,863,416
260 to 499 acres	52,081	1,199,717,846	61,097	1,269,096,863
500 to 999 acres	55,755	2,320,758,867	61,993	2,280,377,608
1,000 to 1,999 acres	39,732	2,978,897,311	40,154	2,570,808,912
2,000 to 4,999 acres	18,723	2,611,685,021	14,830	1,761,621,362
5,000 acres or more	2,244	715,330,298	1,381	384,986,549
Capacity by North American Industry Classification System (NAICS):				
Crop production (111)	205,765	9,315,779,238	213,605	7,661,802,857
Animal production (112)	103,600	2,017,270,846	133,372	2,228,156,242

Table 40. **Farms by Concentration of Market Value of Agricultural Products Sold: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All farms	Fewest number of farms accounting for-			
		10 percent of sales	25 percent of sales	50 percent of sales	75 percent of sales
Farms ..... number	2,204,792	449	4,009	32,886	125,478
percent	100.0	(Z)	0.2	1.5	5.7
Land in farms ..... acres	922,095,840	2,570,166	15,595,983	94,130,514	278,050,330
Average size of farm ..... acres	418	5,724	3,890	2,862	2,216
Estimated market value of land and buildings ..... farms	2,204,792	449	4,009	32,886	125,478
$1,000	1,744,295,252	11,387,156	54,313,028	225,251,966	557,369,994
Average per farm ..... dollars	791,138	25,361,148	13,547,775	6,849,479	4,441,974
Average per acre ..... dollars	1,892	4,431	3,483	2,393	2,005
Estimated market value of all machinery and equipment $1,000	194,783,471	1,834,776	7,367,608	26,770,244	65,115,735
percent	100.0	0.9	3.8	13.7	33.4
Land in farms according to use:					
Total cropland ..... acres	406,424,909	1,593,058	8,057,286	55,923,629	165,723,561
Harvested cropland ..... acres	309,607,601	1,363,376	7,185,932	50,621,350	148,367,899
Pastureland, excluding woodland pastured ..... acres	444,603,270	662,556	6,344,176	34,163,280	102,325,305
Market value of agricultural products sold (see text) $1,000	297,220,491	29,754,134	74,305,946	148,611,621	222,915,735
Average per farm ..... dollars	134,807	66,267,560	18,534,783	4,518,994	1,776,532
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	123	1,201	16,291	78,108
$1,000	77,215,262	161,904	1,212,472	15,401,679	45,961,097
Tobacco ..... farms	16,228	-	18	372	1,634
$1,000	1,268,114	-	38,439	270,540	678,009
Cotton and cottonseed ..... farms	18,591	10	117	1,804	7,209
$1,000	4,898,608	(D)	334,098	1,607,727	3,789,796
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	53	606	3,492	8,432
$1,000	14,683,058	1,986,857	7,151,286	11,583,953	13,317,853
Fruits, tree nuts, and berries ..... farms	112,690	54	630	3,255	8,662
$1,000	18,625,459	1,868,401	6,194,254	11,162,758	14,533,412
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	49	503	2,309	5,909
$1,000	16,632,734	2,149,156	7,465,016	12,000,054	14,413,792
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	-	13	92	317
$1,000	384,594	-	49,590	133,571	202,887
Other crops and hay (see text) ..... farms	434,502	83	653	6,444	25,335
$1,000	9,950,098	382,986	998,345	3,270,997	5,765,422
Cattle and calves ..... farms	798,290	257	1,864	14,414	53,772
$1,000	61,209,970	17,021,241	25,410,990	34,987,323	43,767,158
Milk and other dairy products from cows ..... farms	69,763	26	895	4,786	14,417
$1,000	31,848,029	1,113,637	10,148,341	19,510,391	25,162,840
Hogs and pigs ..... farms	74,789	36	360	4,701	14,336
$1,000	18,056,981	1,762,187	4,719,253	12,011,627	16,674,228
Sheep, goats, and their products ..... farms	121,171	3	34	476	2,418
$1,000	704,855	(D)	63,826	155,322	268,572
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	27	99	713	2,421
$1,000	2,061,862	382,742	618,206	956,676	1,209,347
Poultry and eggs ..... farms	148,911	45	584	7,311	21,189
$1,000	37,065,947	2,557,931	9,168,079	24,171,845	35,267,586
Aquaculture (see text) ..... farms	6,409	-	25	252	843
$1,000	1,415,271	-	276,327	743,612	1,081,472
Other animals and other animal products (see text) ..... farms	43,226	16	77	382	1,166
$1,000	1,199,649	211,584	457,425	643,546	822,265
Value of organically produced commodities (see text) ..... farms	18,211	32	157	486	1,315
$1,000	1,709,111	166,897	483,246	836,051	1,163,921
Value of landlord's share of total sales (see text) ..... farms	97,706	4	156	3,754	22,815
$1,000	6,429,386	(D)	106,780	1,175,074	3,999,925
Total farm production expenses ..... farms	2,204,792	449	4,009	32,886	125,478
$1,000	241,113,666	25,196,163	59,183,405	114,755,630	169,644,590
Selected farm production expenses:					
Fertilizer, lime, and soil conditioners ..... farms	1,148,218	267	2,713	25,149	103,660
$1,000	18,107,194	355,789	1,308,207	4,514,634	10,241,525
Chemicals ..... farms	918,604	309	2,842	25,479	99,597
$1,000	10,074,914	333,852	1,241,640	3,416,672	6,565,482
Livestock and poultry purchased or leased (see text) ..... farms	490,819	324	2,268	18,667	59,425
$1,000	38,003,682	11,588,819	18,764,456	27,430,160	33,644,485
Feed purchased ..... farms	1,135,968	332	2,472	20,636	69,292
$1,000	49,095,106	6,489,443	15,304,874	30,685,041	40,931,636
Gasoline, fuels, and oils ..... farms	2,148,806	447	4,002	32,809	125,184
$1,000	12,912,179	373,571	1,286,132	3,532,934	6,711,449
Utilities (see text) ..... farms	1,102,530	424	3,859	31,204	115,197
$1,000	5,917,615	367,958	1,166,233	2,456,583	3,739,504
Hired farm labor ..... farms	482,186	438	3,840	27,904	93,006
$1,000	21,877,661	1,926,317	7,077,048	12,919,448	17,297,475
Interest expense ..... farms	667,454	279	2,804	24,339	89,708
$1,000	10,880,731	267,964	1,040,497	2,898,746	5,341,434
Government payments ..... farms	838,391	101	1,409	18,374	83,594
$1,000	7,983,922	4,405	81,306	980,207	3,095,056
Inventory of selected livestock:					
Cattle and calves ..... farms	963,669	257	1,892	15,030	56,076
number	96,347,858	8,285,089	16,459,849	28,701,943	43,986,808
Milk cows ..... farms	69,890	26	894	4,745	14,279
number	9,266,574	281,469	2,734,921	5,301,894	6,946,167
Hogs and pigs ..... farms	75,442	34	352	4,594	13,808
number	67,786,318	6,901,768	17,277,838	42,690,366	60,683,841

Table 41. **Commodities Raised and Delivered Under Production Contracts: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Commodity	2007		2002	
	Farms	Number	Farms	Number
Broilers and other meat-type chickens	17,001	8,600,795,123	20,778	8,330,584,759
Eggs, chicken (dozens)	3,331	1,823,376,451	3,408	1,981,167,784
Pullets for laying flock replacement	1,563	116,811,593	1,622	118,198,365
Turkeys	2,195	200,125,309	2,102	180,238,549
Custom fed cattle shipped directly for slaughter (see text)	1,485	8,826,814	(NA)	(NA)
Hogs and pigs	8,991	89,601,632	10,370	79,402,887
Other cattle, livestock, poultry, or aquaculture (see text)	4,641	(X)	(NA)	(X)
Grains and oilseeds	506	(X)	2,295	(X)
Vegetables, melons, and potatoes (see text)	2,033	(X)	2,099	(X)
Other crops (see text)	14	(X)	114	(X)
Value of commodities (see text) ($1,000)	40,496	48,847,998	46,955	31,589,927
Payments received (see text) ($1,000)	40,496	7,603,734	46,955	6,002,025

Table 42. **Value of Land and Buildings: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Value of land and buildings	2007		2002 [1]	
	Farms	Value ($1,000)	Farms	Value ($1,000)
Estimated market value of land and buildings ..... farms	2,204,792	(X)	2,128,739	(X)
$1,000	(X)	1,744,295,252	(X)	1,144,905,925
Average per farm ..... dollars	(X)	791,138	(X)	537,833
Average per acre ..... dollars	(X)	1,892	(X)	1,213
Farms by value group:				
$1 to $49,999	223,182	5,389,974	250,117	6,271,328
$50,000 to $99,999	212,783	15,332,567	277,144	20,049,745
$100,000 to $199,999	374,783	53,279,856	455,928	64,359,299
$200,000 to $499,999	631,939	198,135,165	597,519	182,556,908
$500,000 to $999,999	371,783	255,120,688	280,285	191,490,295
$1,000,000 to $1,999,999	206,282	279,370,915	155,315	211,338,983
$2,000,000 to $4,999,999	132,549	397,786,859	90,558	266,427,412
$5,000,000 to $9,999,999	36,072	242,067,138	17,887	117,466,757
$10,000,000 or more	15,419	297,812,088	3,986	84,945,199

[1] 2002 data are based on a sample of farms.

Table 43. **Value of Machinery and Equipment on Operation: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Value of machinery and equipment	2007		2002 [1]	
	Farms	Value ($1,000)	Farms	Value ($1,000)
Estimated market value of machinery and equipment	2,204,513	194,783,471	2,052,348	136,624,880
Average per farm ..... dollars	(X)	88,357	(X)	66,570
By value group:				
$1 to $4,999	195,820	525,370	348,038	776,067
$5,000 to $9,999	217,460	1,489,642	279,061	1,879,501
$10,000 to $19,999	351,088	4,777,255	347,224	4,668,284
$20,000 to $29,999	279,609	6,531,269	231,428	5,375,772
$30,000 to $49,999	318,680	11,881,082	234,070	8,683,985
$50,000 to $69,999	215,497	12,086,691	147,047	8,270,393
$70,000 to $99,999	151,271	12,244,548	112,297	9,172,969
$100,000 to $199,999	232,001	30,552,240	180,503	24,171,380
$200,000 to $499,999	175,152	51,192,883	132,284	38,591,548
$500,000 to $999,999	48,725	31,708,088	31,563	20,501,991
$1,000,000 or more	19,210	31,794,404	8,833	14,532,989

[1] 2002 data are based on a sample of farms.

Table 44. **Selected Machinery and Equipment on Operation: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Selected machinery and equipment	2007						2002 [1]			
	Total		Manufactured 2003 to 2007		Manufactured prior to 2003		Total		Manufactured 1998 to 2002	
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Trucks, including pickups (see text)	1,783,324	3,512,538	586,671	731,562	1,496,339	2,780,976	(NA)	(NA)	(NA)	(NA)
Tractors, all	1,844,647	4,389,812	385,317	530,102	1,664,161	3,859,710	1,901,787	4,592,545	297,605	435,218
2 or 3	687,004	1,609,191	70,658	156,572	614,822	1,441,428	705,550	1,658,293	56,647	126,537
4 or more	355,311	1,978,289	12,301	71,172	307,733	1,676,676	369,081	2,107,096	13,533	81,256
Less than 40 horsepower (PTO)	910,937	1,280,039	127,288	142,117	807,659	1,137,922	983,294	1,415,807	99,961	121,715
40 to 99 horsepower (PTO)	1,238,101	1,998,508	212,259	250,743	1,098,874	1,747,765	1,252,337	2,066,720	152,256	190,945
100 horsepower (PTO) or more	555,941	1,111,265	91,469	137,242	516,702	974,023	564,066	1,110,018	80,870	122,558
Grain and bean combines, self-propelled	295,490	346,935	37,491	41,420	262,538	305,515	353,539	409,442	37,756	41,314
Cotton pickers and strippers, self-propelled	12,500	18,162	3,346	4,238	9,716	13,924	15,736	23,336	3,368	4,473
Forage harvesters, self-propelled	60,133	64,191	7,794	8,381	52,926	55,810	60,613	67,610	7,183	7,870
Hay balers	593,543	727,501	82,405	87,948	530,680	639,553	632,655	766,457	74,594	79,475

[1] 2002 data are based on a sample of farms.

Table 45. **Fertilizers and Chemicals: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	2007	2002 [1]
Any fertilizer, manure, or chemicals used [2] ... farms	1,195,772	(NA)
Manure used ... farms	307,073	347,585
acres treated	22,096,315	22,749,251
Any fertilizer or chemical expense [2 3] ... farms	1,288,360	(NA)
$1,000	28,182,108	(NA)
Commercial fertilizer, lime, and soil conditioners used [2] ... farms	1,022,036	(NA)
acres treated	265,995,497	248,060,293
Commercial fertilizer, lime, and soil conditioners expenses ... farms	1,148,218	1,189,850
$1,000	18,107,194	9,751,460
Chemical expenses ... farms	918,604	947,279
$1,000	10,074,914	7,608,921
Chemicals used to control-		
Insects ... farms	354,357	357,274
acres treated	90,947,822	65,697,023
Weeds, grass, or brush ... farms	703,884	708,252
acres treated	226,295,783	193,968,317
Nematodes ... farms	34,992	35,877
acres treated	7,560,158	5,936,346
Diseases in crops and orchards ... farms	97,333	92,334
acres treated	22,693,212	12,392,352
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ... farms	44,638	44,725
acres treated	12,125,799	10,874,350

[1] 2002 data are based on a sample of farms.
[2] 2002 farm count data are not comparable due to calculation change.
[3] 2002 expense data are not comparable due to calculation change.

Table 46. **Selected Characteristics of Farms by North American Industry Classification System: 2007**

[For meaning of abbreviations and symbols, see introductory text]

NAICS code (see text)	Farms	Land in farms (acres)	Harvested cropland (acres)	Estimated market value of selected capital assets, average per farm (dollars)		Market value of agricultural products sold ($1,000)		
				Land and buildings	Machinery and equipment	Total	Crops	Livestock, poultry, and their products
Total	2,204,792	922,095,840	309,607,601	791,138	88,357	297,220,491	143,657,928	153,562,563
Crop production (111)	1,051,889	416,961,540	244,213,836	951,279	108,515	141,921,405	135,806,093	6,115,312
Oilseed and grain farming (1111)	338,237	266,831,616	194,191,397	1,595,687	203,486	74,559,692	69,851,934	4,707,758
Soybean farming (11111)	62,923	22,094,100	17,599,156	884,065	115,621	5,637,504	5,532,934	104,570
Oilseed (except soybean) farming (11112)	515	458,591	306,033	839,339	172,383	62,238	61,081	1,157
Dry pea and bean farming (11113)	526	382,071	269,759	888,101	198,237	79,297	78,454	844
Wheat farming (11114)	35,232	55,992,672	29,062,744	1,227,996	182,956	6,157,944	5,821,678	336,267
Corn farming (11115)	161,874	103,071,231	86,627,715	1,795,895	217,033	39,675,674	38,524,804	1,150,870
Rice farming (11116)	3,853	4,233,156	3,396,230	2,514,837	368,087	1,936,574	1,915,447	21,127
Other grain farming (11119)	73,314	80,599,795	56,929,760	1,903,182	250,461	21,010,459	17,917,536	3,092,923
Vegetable and melon farming (11121)	40,589	9,272,945	6,018,702	1,095,695	129,380	14,975,322	14,850,087	125,235
Potato farming (111211)	2,182	2,577,795	1,992,430	3,199,194	561,943	2,885,906	2,854,320	31,586
Other vegetable (except potato) and melon farming (111219)	38,407	6,695,150	4,026,272	976,190	104,804	12,089,416	11,995,767	93,649
Fruit and tree nut farming (1113)	98,281	12,141,683	5,339,755	1,201,461	68,256	18,351,629	18,225,583	126,046
Orange groves (11131)	8,771	1,535,483	800,921	1,625,749	62,929	2,423,976	2,382,844	41,131
Citrus (except orange) groves (11132)	3,429	402,617	205,522	1,600,802	57,077	783,426	778,099	5,326
Noncitrus fruit and tree nut farming (11133)	86,081	10,203,583	4,333,312	1,142,322	69,244	15,144,228	15,064,639	79,589
Apple orchards (111331)	11,550	2,078,125	488,273	721,439	69,708	2,259,839	2,251,555	8,284
Grape vineyards (111332)	17,036	2,067,987	1,061,070	1,875,518	83,655	3,890,152	3,883,341	6,811
Strawberry farming (111333)	1,503	149,972	55,461	1,540,283	108,952	1,185,736	1,182,263	3,473
Berry (except strawberry) farming (111334)	8,535	870,154	220,530	634,856	71,044	1,211,820	1,209,450	2,370
Tree nut farming (111335)	22,821	3,239,199	1,652,915	1,221,225	71,598	3,655,251	3,626,067	29,184
Fruit and tree nut combination farming (111336)	995	292,842	106,488	1,653,450	112,333	301,611	286,946	14,666
Other noncitrus fruit farming (111339)	23,641	1,505,304	748,575	879,827	51,369	2,639,819	2,625,018	14,801
Greenhouse, nursery, and floriculture production (1114)	54,889	3,974,530	1,698,564	691,851	83,403	16,967,123	16,930,975	36,147
Food crops grown under cover (11141)	2,044	85,809	18,712	648,219	136,926	1,552,287	1,550,756	1,531
Nursery and floriculture production (11142)	52,845	3,888,721	1,679,852	693,539	81,332	15,414,835	15,380,219	34,616
Nursery and tree production (111421)	34,532	3,287,008	1,505,323	762,441	85,393	8,901,860	8,875,417	26,443
Floriculture production (111422)	18,313	601,713	174,529	563,615	73,674	6,512,975	6,504,801	8,173
Other crop farming (1119)	519,893	124,740,766	36,965,418	500,853	55,350	17,067,639	15,947,514	1,120,126
Tobacco farming (11191)	9,626	2,518,697	1,219,827	832,175	110,057	1,147,173	1,077,481	69,692
Cotton farming (11192)	9,968	13,081,671	9,778,279	2,134,284	350,001	4,357,082	4,300,124	56,958
Sugarcane farming (11193)	614	1,299,318	969,321	4,842,911	602,944	885,028	881,698	3,330
Hay farming (11194)	254,042	49,923,443	18,606,436	485,030	54,244	6,488,172	5,807,594	680,578
All other crop farming (11199)	245,643	57,917,637	6,391,555	427,097	41,019	4,190,184	3,880,617	309,568
Animal production (112)	1,152,903	505,134,300	65,393,765	645,029	69,965	155,299,086	7,851,835	147,447,251
Cattle ranching and farming (1121)	744,858	413,261,549	55,185,767	736,094	76,882	92,538,429	5,109,567	87,428,862
Beef cattle ranching and farming, including feedlots (11211)	687,540	391,990,769	41,893,929	687,997	64,670	57,784,399	3,895,789	53,888,610
Beef cattle ranching and farming (112111)	656,475	376,170,540	36,675,357	679,268	60,874	27,535,096	2,626,582	24,908,514
Cattle feedlots (112112)	31,065	15,820,229	5,218,572	872,449	144,889	30,249,303	1,269,207	28,980,096
Dairy cattle and milk production (11212)	57,318	21,270,780	13,291,838	1,313,027	223,368	34,754,031	1,213,778	33,540,252
Hog and pig farming (1122)	30,546	6,949,176	4,747,504	913,782	133,465	18,127,114	1,614,030	16,513,083
Poultry and egg production (1123)	64,570	7,040,000	2,140,320	612,600	92,204	37,797,542	547,736	37,249,806
Chicken egg production (11231)	35,651	2,259,774	477,371	393,850	59,930	7,546,997	104,546	7,442,452
Broilers and other meat-type chicken production (11232)	17,888	3,370,828	1,209,528	1,049,601	147,794	22,400,358	306,268	22,094,090
Turkey production (11233)	3,405	836,551	396,096	1,094,102	159,271	4,643,075	127,009	4,516,067
Poultry hatcheries (11234)	775	69,558	9,985	599,637	427,882	2,777,612	1,790	2,775,822
Other poultry production (11239)	6,851	503,289	47,340	372,064	43,676	429,499	8,124	421,375
Sheep and goat farming (1124)	67,254	11,963,667	429,300	311,679	31,163	554,107	21,374	532,732
Sheep farming (11241)	30,974	8,971,952	324,835	404,673	33,461	435,107	18,396	416,711
Goat farming (11242)	36,280	2,991,715	104,465	232,286	29,201	119,000	2,979	116,021
Animal aquaculture (1125)	4,777	2,451,244	70,954	806,737	124,020	1,407,750	18,384	1,389,366
Other animal production (1129)	240,898	63,468,664	2,819,920	427,928	44,322	4,874,144	540,743	4,333,401
Apiculture (11291)	7,979	503,609	92,280	258,977	49,717	263,268	19,827	243,440
Horse and other equine production (11292)	168,694	22,370,495	675,383	354,493	41,205	2,088,845	17,332	2,071,512
Fur-bearing animal and rabbit production (11293)	2,252	89,224	16,894	263,603	47,179	154,325	2,744	151,581
All other animal production (11299)	61,973	40,505,336	2,035,363	655,547	52,015	2,367,706	500,839	1,866,867

Table 47. **Institutional, Research, Experimental, and American Indian Reservation Farms: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics		2007
Farms	number	3,551
Land in farms	acres	48,655,363
Average size of farm	acres	13,702
Estimated value of land and buildings	$1,000	17,192,567
Average per farm	dollars	4,841,613
Average per acre	dollars	353
Estimated market value of all machinery and equipment	$1,000	668,161
Land in farms according to use:		
Total cropland	farms	2,360
	acres	1,036,935
Harvested cropland	farms	1,901
	acres	609,785
Cropland used only for pasture or grazing	farms	457
	acres	172,160
Other cropland	farms	937
	acres	254,990
Total woodland	farms	1,037
	acres	3,943,334
Woodland pastured	farms	284
	acres	2,746,461
Woodland not pastured	farms	905
	acres	1,196,873
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)	farms	1,402
	acres	41,400,020
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	farms	2,154
	acres	2,275,074
Irrigated land	farms	1,171
	acres	332,363
Market value of agricultural products sold (see text)	$1,000	942,481
Average per farm	dollars	265,413
Crops, including nursery and greenhouse crops	$1,000	320,964
Livestock, poultry, and their products	$1,000	621,516
Total farm production expenses	$1,000	855,051
Average per farm	dollars	240,792
Government payments	farms	723
	$1,000	14,250
Average per farm	dollars	19,710
Income from farm-related sources (see text)	farms	859
	$1,000	93,213
Average per farm	dollars	108,513
Tenure of operator:		
Full owners		2,717
Part owners		441
Tenants		393
Farms by North American Industry Classification System:		
Oilseed and grain farming (1111)		475
Vegetable and melon farming (1112)		130
Fruit and tree nut farming (1113)		172
Greenhouse, nursery, and floriculture production (1114)		338
Other crop farming (1119)		613
Tobacco farming (11191)		5
Cotton farming (11192)		20
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)		588
Beef cattle ranching and farming (112111)		421
Cattle feedlots (112112)		38
Dairy cattle and milk production (11212)		105
Hog and pig farming (1122)		58
Poultry and egg production (1123)		45
Sheep and goat farming (1124)		37
Animal aquaculture and other animal production (1125,1129)		1,119

Table 48. **Organic Agriculture: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item		2007
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES		
Total organic product sales (see text)	farms	18,211
	$1,000	1,709,111
Average per farm	dollars	93,850
By value of sales:		
$1 to $4,999	farms	8,285
	$1,000	12,665
$5,000 to $9,999	farms	1,935
	$1,000	13,391
$10,000 to $24,999	farms	2,318
	$1,000	36,792
$25,000 to $49,999	farms	1,515
	$1,000	53,691
$50,000 or more	farms	4,158
	$1,000	1,592,573
Crops, including nursery and greenhouse crops	farms	14,968
	$1,000	1,121,774
Less than $50,000	farms	12,295
	$1,000	101,343
$50,000 or more	farms	2,673
	$1,000	1,020,432
Livestock and poultry	farms	2,496
	$1,000	109,943
Less than $50,000	farms	2,245
	$1,000	14,605
$50,000 or more	farms	251
	$1,000	95,338
Livestock and poultry products	farms	3,191
	$1,000	477,394
Less than $50,000	farms	1,927
	$1,000	11,401
$50,000 or more	farms	1,264
	$1,000	465,993
LAND USED FOR ORGANIC PRODUCTION		
Total acres used for organic production (see text)	farms	20,437
	acres	2,577,418
By number of organic acres:		
1 to 9 acres	farms	9,251
	acres	29,178
10 to 49 acres	farms	4,994
	acres	115,198
50 to 179 acres	farms	3,498
	acres	347,775
180 to 499 acres	farms	1,808
	acres	527,865
500 acres or more	farms	886
	acres	1,557,402

Item		2007
LAND USED FOR ORGANIC PRODUCTION - Con.		
Total acres used for organic production (see text) - Con.		
Acres from which organic crops were harvested	farms	16,778
	acres	1,288,088
Acres of organic pastureland	farms	7,268
	acres	975,380
Acres being converted to organic production	farms	11,901
	acres	616,358
PRINCIPAL OPERATOR CHARACTERISTICS FOR FARMS WITH ORGANIC PRODUCTION		
Sex of operator:		
Male		15,912
Female		4,525
Primary occupation:		
Farming		12,260
Other		8,177
Place of residence:		
On farm operated		17,246
Not on farm operated		3,191
Days worked off farm:		
None		6,989
Any		13,448
1 to 49 days		2,528
50 to 99 days		1,504
100 to 199 days		2,480
200 days or more		6,936
Years on present farm:		
2 years or less		1,040
3 or 4 years		1,882
5 to 9 years		4,530
10 years or more		12,985
Average years on present farm		16.9
Age group:		
Under 25 years		109
25 to 34 years		1,436
35 to 44 years		2,985
45 to 49 years		2,920
50 to 54 years		3,546
55 to 59 years		3,560
60 to 64 years		2,564
65 to 69 years		1,529
70 years and over		1,788
Average age		53.2

Table 49. **Selected Operator Characteristics for Principal, Second, and Third Operator: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All operators [1]	Principal operator	Second operator	Third operator
Operators ..... number	3,281,534	2,204,792	931,670	145,072
Sex of operator:				
Male	2,296,342	1,898,583	310,592	87,167
Female	985,192	306,209	621,078	57,905
Primary occupation:				
Farming	1,399,791	993,881	342,053	63,857
Other	1,881,743	1,210,911	589,617	81,215
Place of residence:				
On farm operated	2,492,416	1,693,362	717,626	81,428
Not on farm operated	789,118	511,430	214,044	63,644
Days worked off farm:				
None	1,117,957	777,747	291,341	48,869
Any	2,163,577	1,427,045	640,329	96,203
1 to 49 days	363,896	238,479	107,562	17,855
50 to 99 days	180,903	115,578	55,387	9,938
100 to 199 days	304,961	196,687	94,540	13,734
200 days or more	1,313,817	876,301	382,840	54,676
Years on present farm:				
2 years or less	162,978	84,883	58,685	19,410
3 or 4 years	239,893	138,858	83,004	18,031
5 to 9 years	592,955	359,545	200,046	33,364
10 years or more	2,285,708	1,621,506	589,935	74,267
Age group:				
Under 25 years	54,197	11,878	20,650	21,669
25 to 34 years	209,385	106,735	79,166	23,484
35 to 44 years	468,740	268,818	173,049	26,873
45 to 54 years	877,500	565,401	280,847	31,252
55 to 64 years	848,277	596,306	229,937	22,034
65 to 74 years	533,436	412,182	108,791	12,463
75 years and over	289,999	243,472	39,230	7,297
Average age	54.9	57.1	51.4	44.6
Number of persons living in household	6,828,202	5,797,906	791,256	239,040

[1] Data were collected for a maximum of three operators per farm.

Table 50. **Women Principal Operators - Selected Farm Characteristics: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Principal operator 2007	Principal operator 2002
FARMS AND LAND IN FARMS		
Farms ..... number	306,209	237,819
Land in farms ..... acres	64,264,566	59,383,557
FARMS BY SIZE		
1 to 9 acres	56,526	36,068
10 to 49 acres	107,352	83,423
50 to 179 acres	86,991	71,272
180 to 499 acres	36,354	30,452
500 acres or more	18,986	16,604
OWNED AND RENTED LAND IN FARMS		
Owned land in farms ..... farms	292,529	226,820
acres	50,101,842	46,977,149
Rented or leased land in farms ..... farms	45,757	38,086
acres	14,162,724	12,406,408
TENURE		
Full owners ..... farms	260,452	199,733
acres	39,349,544	37,223,473
Part owners ..... farms	32,077	27,087
acres	20,659,890	18,069,305
Tenants ..... farms	13,680	10,999
acres	4,255,132	4,090,779
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS		
Total ..... farms	306,209	237,819
$1,000	11,669,972	7,826,683
Market value of agricultural products sold ..... farms	306,209	237,819
$1,000	11,158,210	7,504,002
Crops, including nursery and greenhouse crops ..... farms	88,242	65,880
$1,000	4,547,958	2,990,097
Livestock, poultry, and their products ..... farms	131,276	110,262
$1,000	6,610,252	4,513,905
Government payments ..... farms	87,083	60,349
$1,000	511,763	322,681
FARMS BY ECONOMIC CLASS		
Less than $1,000	104,739	72,763
$1,000 to $2,499	47,480	44,092
$2,500 to $4,999	39,662	32,410
$5,000 to $9,999	37,970	29,810
$10,000 to $24,999	34,466	26,351
$25,000 to $49,999	16,292	12,123
$50,000 or more	25,600	20,270
COMMODITY CREDIT CORPORATION (CCC) LOANS AND FEDERAL FARM PROGRAM PAYMENTS		
CCC loans ..... farms	1,485	3,057
$1,000	71,967	62,462
Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs [1] ..... farms	54,082	35,884
$1,000	283,779	177,145
Other Federal farm program payments ..... farms	55,783	31,550
$1,000	227,984	145,536
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)		
Oilseed and grain farming (1111)	16,345	15,376
Vegetable and melon farming (1112)	6,758	3,384
Fruit and tree nut farming (1113)	13,876	10,983
Greenhouse, nursery, and floriculture production (1114)	10,332	10,663
Other crop farming (1119)	83,827	55,546
Tobacco farming (11191)	498	2,855
Cotton farming (11192)	461	594
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	82,868	52,097
Beef cattle ranching and farming (112111)	69,327	56,757
Cattle feedlots (112112)	2,126	3,819
Dairy cattle and milk production (11212)	3,363	3,418
Hog and pig farming (1122)	2,723	2,246
Poultry and egg production (1123)	12,363	6,716
Sheep and goat farming (1124)	17,551	9,808
Animal aquaculture and other animal production (1125, 1129)	67,618	59,103
OTHER FARM CHARACTERISTICS		
Farms by-		
Type of organization:		
Family or individual	265,157	215,558
Partnerships	21,729	11,684
Corporations	12,785	7,653
Other - cooperative, estate or trust, institutional, etc	6,538	2,924
Number of operators:		
1 operator	175,407	137,147
2 operators	107,965	84,216
3 operators	17,957	11,994
4 operators	3,215	3,061
5 or more operators	1,665	1,401
Number of women operators:		
1 woman operator	279,996	217,961
2 women operators	22,783	17,282
3 women operators	2,761	2,087
4 women operators	431	355
5 or more women operators	238	134
Farms reporting-		
Internet access	168,280	123,556
High-speed internet access	98,892	(NA)
Principal operator is a hired manager ..... farms	6,394	5,505
acres	6,474,953	2,948,686
Farms by number of households sharing in net income of farm:		
1 household	254,800	194,640
2 households	38,080	27,163
3 households	7,747	6,099
4 households	3,416	2,424
5 or more households	2,166	1,988
Farms by share of principal operator's total household income from farming:		
Less than 25 percent	246,586	162,290
25 to 49 percent	20,981	23,569
50 to 74 percent	19,298	20,145
75 to 99 percent	11,162	10,646
100 percent	8,182	15,664

[1] 2002 data do not include farms with land in Farmable Wetlands or Conservation Reserve Enhancement Programs.

Table 51. **Women Operators - Selected Operator Characteristics: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All operators [1]		Principal operator	
	2007	2002	2007	2002
Operators ..... number	985,192	822,383	306,209	237,819
Primary occupation:				
Farming	341,538	374,244	121,799	124,759
Other	643,654	448,139	184,410	113,060
Place of residence:				
On farm operated	796,072	685,472	232,683	188,015
Not on farm operated	189,120	136,911	73,526	49,804
Days worked off farm:				
None	338,395	373,292	124,779	126,196
Any	646,797	449,091	181,430	111,623
1 to 49 days	107,340	48,526	29,224	12,534
50 to 99 days	56,190	30,668	14,722	7,710
100 to 199 days	100,654	74,660	28,104	19,345
200 days or more	382,613	295,237	109,380	72,034
Years on present farm:				
2 years or less	58,427	48,889	15,832	13,092
3 or 4 years	85,552	85,899	26,063	24,295
5 to 9 years	207,057	185,667	63,554	53,136
10 years or more	634,156	501,928	200,760	147,296
Age group:				
Under 25 years	16,632	16,448	1,800	1,800
25 to 34 years	62,182	56,898	11,286	9,312
35 to 44 years	157,193	179,222	35,444	40,286
45 to 54 years	283,098	241,194	77,016	64,077
Age group - Con.				
55 to 64 years	251,231	181,501	77,155	51,904
65 to 74 years	137,246	94,545	53,179	36,372
75 years and over	77,610	52,575	50,329	34,068
Average age of -				
All operators	54.0	51.9	(X)	(X)
Principal operator	(X)	(X)	58.8	56.7
Second operator	52.2	50.3	(X)	(X)
Third operator	47.9	45.2	(X)	(X)
Spanish, Hispanic, or Latino origin (see text)	21,670	16,605	6,777	5,132
Race:				
American Indian or Alaska Native	22,845	8,483	10,103	2,418
Asian	6,690	4,238	2,033	1,283
Black or African American	9,148	6,739	4,429	2,894
Native Hawaiian or Other Pacific Islander	894	634	267	210
White	935,256	797,947	287,092	229,587
More than one race reported	10,359	4,342	2,285	1,427
Number of persons living in household of-				
Principal operator	(X)	(X)	707,254	535,731
Second operator	265,027	214,021	(X)	(X)
Third operator	71,302	42,251	(X)	(X)

[1] Data were collected for a maximum of three operators per farm.

Table 52. Spanish, Hispanic, or Latino Origin Principal Operators - Selected Farm Characteristics: 2007 and 2002

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	2007	2002
FARMS AND LAND IN FARMS		
Farms ..... number	55,570	50,592
Land in farms ..... acres	17,054,007	20,770,712
FARMS BY SIZE		
1 to 9 acres	12,139	8,390
10 to 49 acres	19,687	16,061
50 to 179 acres	12,169	13,088
180 to 499 acres	6,215	7,047
500 acres or more	5,360	6,006
OWNED AND RENTED LAND IN FARMS		
Owned land in farms ..... farms	51,680	46,755
acres	10,960,899	13,942,460
Rented or leased land in farms ..... farms	12,774	13,942
acres	6,093,108	6,828,252
TENURE		
Full owners ..... farms	42,796	36,650
acres	7,621,925	10,346,135
Part owners ..... farms	8,884	10,105
acres	7,787,437	8,446,641
Tenants ..... farms	3,890	3,837
acres	1,644,645	1,977,936
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS		
Total ..... farms	55,570	50,592
$1,000	6,730,853	4,736,943
Market value of agricultural products sold ..... farms	55,570	50,592
$1,000	6,648,073	4,669,572
Crops, including nursery and greenhouse crops ..... farms	21,744	20,724
$1,000	4,066,957	3,072,961
Livestock, poultry, and their products ..... farms	24,561	24,047
$1,000	2,581,116	1,596,611
Government payments ..... farms	8,562	8,569
$1,000	82,780	67,370
FARMS BY ECONOMIC CLASS		
Less than $1,000	17,078	12,591
$1,000 to $2,499	7,481	7,818
$2,500 to $4,999	6,549	6,208
$5,000 to $9,999	6,172	5,857
$10,000 to $24,999	6,505	6,447
$25,000 to $49,999	3,756	3,557
$50,000 or more	8,029	8,114
COMMODITY CREDIT CORPORATION (CCC) LOANS AND FEDERAL FARM PROGRAM PAYMENTS		
CCC loans ..... farms	388	1,035
$1,000	31,727	32,474
Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs [1] ..... farms	2,605	2,722
$1,000	13,502	13,507
Other Federal farm program payments ..... farms	7,281	6,539
$1,000	69,278	53,863

Characteristics	2007	2002
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)		
Oilseed and grain farming (1111)	1,842	3,365
Vegetable and melon farming (1112)	1,385	1,532
Fruit and tree nut farming (1113)	8,871	7,739
Greenhouse, nursery, and floriculture production (1114)	2,341	2,236
Other crop farming (1119)	9,219	8,101
Tobacco farming (11191)	62	298
Cotton farming (11192)	319	477
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	8,838	7,326
Beef cattle ranching and farming (112111)	19,185	17,756
Cattle feedlots (112112)	494	903
Dairy cattle and milk production (11212)	581	982
Hog and pig farming (1122)	478	552
Poultry and egg production (1123)	1,831	744
Sheep and goat farming (1124)	2,676	1,587
Animal aquaculture and other animal production (1125, 1129)	6,667	5,095
OTHER FARM CHARACTERISTICS		
Farms by-		
Type of organization:		
Family or individual	48,150	45,692
Partnerships	4,506	2,866
Corporations	2,240	1,659
Other - cooperative, estate or trust, institutional, etc	674	375
Number of operators:		
1 operator	33,710	33,169
2 operators	18,108	14,331
3 operators	2,818	2,068
4 operators	599	589
5 or more operators	335	435
Number of women operators:		
1 woman operator	20,713	15,742
2 women operators	1,170	994
3 women operators	119	146
4 women operators	28	43
5 or more women operators	17	16
Farms reporting-		
Internet access	24,641	21,113
High-speed internet access	14,983	(NA)
Principal operator is a hired manager ..... farms	2,930	2,781
acres	2,703,672	5,037,926
Farms by number of households sharing in net income of farm:		
1 household	41,928	35,814
2 households	9,888	8,165
3 households	1,880	1,827
4 households	1,034	1,126
5 or more households	840	879
Farms by share of principal operator's total household income from farming:		
Less than 25 percent	44,836	33,307
25 to 49 percent	3,394	4,444
50 to 74 percent	3,494	4,024
75 to 99 percent	2,157	2,280
100 percent	1,689	3,756

[1] 2002 data do not include farms with land in Farmable Wetlands or Conservation Reserve Enhancement Programs.

Table 53. **Spanish, Hispanic, or Latino Origin Operators - Selected Operator Characteristics: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All operators [1]		Principal operator	
	2007	2002	2007	2002
Operators ..... number	82,462	72,349	55,570	50,592
Sex of operator:				
Male	60,792	55,744	48,793	45,460
Female	21,670	16,605	6,777	5,132
Primary occupation:				
Farming	36,153	40,094	24,933	29,233
Other	46,309	32,255	30,637	21,359
Place of residence:				
On farm operated	53,779	49,313	37,019	35,247
Not on farm operated	28,683	23,036	18,551	15,345
Days worked off farm:				
None	21,843	32,349	14,763	22,647
Any	60,619	40,000	40,807	27,945
1 to 49 days	12,069	5,343	7,758	3,541
50 to 99 days	7,125	3,403	4,785	2,298
100 to 199 days	9,403	5,572	6,393	3,815
200 days or more	32,022	25,682	21,871	18,291
Years on present farm:				
2 years or less	6,174	5,037	3,339	2,723
3 or 4 years	8,994	8,200	5,358	4,770
5 to 9 years	19,809	17,024	12,314	11,126
10 years or more	47,485	42,088	34,559	31,973
Age group:				
Under 25 years	1,650	1,554	298	340
25 to 34 years	5,826	5,189	2,700	2,557
Age group - Con.				
35 to 44 years	14,205	14,884	8,211	9,055
45 to 54 years	22,707	19,974	14,995	13,947
55 to 64 years	19,784	15,444	14,332	11,803
65 to 74 years	12,046	9,906	9,660	8,222
75 years and over	6,244	5,398	5,374	4,668
Average age of -				
All operators	53.4	52.6	(X)	(X)
Principal operator	(X)	(X)	56.0	55.0
Second operator	49.5	48.4	(X)	(X)
Third operator	42.3	41.1	(X)	(X)
Spanish, Hispanic, or Latino origin (see text)	82,462	72,349	55,570	50,592
Race:				
American Indian or Alaska Native	2,766	2,626	1,697	1,606
Asian	1,006	943	604	596
Black or African American	806	1,166	597	890
Native Hawaiian or Other Pacific Islander	317	232	204	141
White	76,475	66,589	51,869	46,878
More than one race reported	1,092	793	599	481
Number of persons living in household of-				
Principal operator	(X)	(X)	159,471	145,328
Second operator	23,037	22,086	(X)	(X)
Third operator	9,782	8,458	(X)	(X)

[1] Data were collected for a maximum of three operators per farm.

Table 54. **Selected Farm Characteristics by Race of Principal Operator: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All principal operators		Principal operator reporting - One race: American Indian or Alaska Native		Asian		Black or African American	
	2007	2002	2007	2002	2007	2002	2007	2002
FARMS AND LAND IN FARMS								
Farms ..... number	2,204,792	2,128,982	34,706	15,494	11,214	8,375	30,599	29,090
Land in farms ..... acres	922,095,840	938,279,056	49,680,678	51,716,448	1,389,766	990,317	3,182,313	3,355,791
FARMS BY SIZE								
1 to 9 acres	232,849	179,346	13,108	1,535	3,970	3,033	3,849	2,626
10 to 49 acres	620,283	563,772	8,312	4,582	3,880	2,862	11,722	10,607
50 to 179 acres	660,530	658,705	6,740	4,626	2,067	1,500	11,184	11,398
180 to 499 acres	368,368	388,617	3,471	2,380	776	601	3,064	3,557
500 acres or more	322,762	338,542	3,075	2,371	521	379	780	902
OWNED AND RENTED LAND IN FARMS								
Owned land in farms ..... farms	2,064,225	1,979,140	32,914	14,200	9,379	6,816	28,037	26,488
acres	571,303,487	584,963,623	44,272,038	46,342,963	933,981	643,113	2,138,272	2,196,264
Rented or leased land in farms ..... farms	682,759	700,846	6,736	5,051	2,992	2,440	9,477	9,896
acres	350,792,353	353,315,433	5,408,640	5,373,485	455,785	347,204	1,044,041	1,159,527
TENURE								
Full owners ..... farms	1,522,033	1,428,136	27,970	10,443	8,222	5,935	21,122	19,194
acres	343,952,327	356,767,305	39,806,741	41,551,397	722,257	495,849	1,661,577	1,650,583
Part owners ..... farms	542,192	551,004	4,944	3,757	1,157	881	6,915	7,294
acres	496,344,290	495,012,197	8,170,722	8,795,586	505,847	337,222	1,244,462	1,410,676
Tenants ..... farms	140,567	149,842	1,792	1,294	1,835	1,559	2,562	2,602
acres	81,799,223	86,499,554	1,703,215	1,369,465	161,662	157,246	276,274	294,532
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS								
Total ..... farms	2,204,792	2,128,982	34,706	15,494	11,214	8,375	30,599	29,090
$1,000	305,204,413	207,192,033	1,440,188	769,520	3,687,674	2,268,309	652,971	525,359
Market value of agricultural products sold ..... farms	2,204,792	2,128,982	34,706	15,494	11,214	8,375	30,599	29,090
$1,000	297,220,491	200,646,355	1,399,725	743,522	3,673,944	2,261,692	615,377	506,881
Crops, including nursery and greenhouse crops ..... farms	986,080	944,656	10,273	4,224	7,815	6,694	9,143	8,351
$1,000	143,657,928	95,151,954	564,470	362,194	2,345,950	2,007,907	299,738	233,710
Livestock, poultry, and their products ..... farms	1,080,312	1,094,608	19,260	9,099	2,660	1,198	14,994	15,839
$1,000	153,562,563	105,494,401	835,256	381,328	1,327,994	253,785	315,639	273,171
Government payments ..... farms	838,391	707,596	4,504	2,981	1,215	586	8,225	5,344
$1,000	7,983,922	6,545,678	40,462	25,998	13,730	6,616	37,595	18,477
FARMS BY ECONOMIC CLASS								
Less than $1,000	499,880	430,953	14,202	4,555	1,547	907	9,765	8,635
$1,000 to $2,499	270,712	307,368	5,169	2,409	981	794	5,351	6,359
$2,500 to $4,999	246,309	243,026	4,103	1,844	987	605	4,623	4,539
$5,000 to $9,999	254,834	246,624	3,712	1,896	1,171	838	4,381	3,947
$10,000 to $24,999	274,274	272,333	3,301	1,945	1,572	1,194	3,519	2,953
$25,000 to $49,999	163,500	163,521	1,537	1,006	1,071	858	1,409	1,225
$50,000 or more	495,283	465,157	2,682	1,839	3,885	3,179	1,551	1,432
COMMODITY CREDIT CORPORATION (CCC) LOANS AND FEDERAL FARM PROGRAM PAYMENTS								
CCC loans ..... farms	50,572	106,120	130	187	49	90	306	757
$1,000	4,445,758	3,833,308	7,785	4,753	3,521	4,297	6,326	7,583
Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs [1] ..... farms	346,227	268,830	1,144	852	380	184	2,584	1,988
$1,000	1,756,226	1,387,956	8,647	6,611	2,224	879	5,878	4,239
Other Federal farm program payments ..... farms	687,434	531,316	3,995	2,360	1,034	426	6,931	3,693
$1,000	6,227,696	5,157,722	31,815	19,387	11,506	5,737	31,717	14,238
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)								
Oilseed and grain farming (1111)	338,237	349,023	957	794	305	209	2,398	2,767
Vegetable and melon farming (1112)	40,589	34,624	2,981	207	1,374	1,203	1,727	1,377
Fruit and tree nut farming (1113)	98,281	95,680	1,304	815	4,163	3,422	836	703
Greenhouse, nursery, and floriculture production (1114)	54,889	64,366	364	308	1,472	1,589	320	288
Other crop farming (1119)	519,893	442,932	4,421	2,409	935	587	6,405	4,854
Tobacco farming (11191)	9,626	37,013	33	103	3	8	227	925
Cotton farming (11192)	9,968	14,476	39	60	26	17	191	408
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	500,299	391,443	4,349	2,246	906	562	5,987	3,521
Beef cattle ranching and farming (112111)	656,475	664,431	13,251	6,735	1,105	560	14,102	15,000
Cattle feedlots (112112)	31,065	55,472	268	348	40	36	192	474
Dairy cattle and milk production (11212)	57,318	72,537	210	184	34	31	165	231
Hog and pig farming (1122)	30,546	33,655	330	228	80	75	666	1,179
Poultry and egg production (1123)	64,570	44,219	875	375	928	265	726	405
Sheep and goat farming (1124)	67,254	43,891	4,468	455	211	87	746	288
Animal aquaculture and other animal production (1125, 1129)	245,675	228,152	5,277	2,636	567	311	2,316	1,524

See footnote(s) at end of table.

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Table 54. **Selected Farm Characteristics by Race of Principal Operator: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Principal operator reporting-					
	One race				More than one race	
	Native Hawaiian or Other Pacific Islander		White			
	2007	2002	2007	2002	2007	2002
FARMS AND LAND IN FARMS						
Farms ..... number	1,356	983	2,114,325	2,067,379	12,592	7,661
Land in farms ..... acres	405,006	266,757	863,819,828	879,993,532	3,618,249	1,956,211
FARMS BY SIZE						
1 to 9 acres	535	365	209,508	170,534	1,879	1,253
10 to 49 acres	457	328	591,781	542,948	4,131	2,445
50 to 179 acres	184	169	636,752	638,707	3,603	2,305
180 to 499 acres	103	69	359,149	381,022	1,805	988
500 acres or more	77	52	317,135	334,168	1,174	670
OWNED AND RENTED LAND IN FARMS						
Owned land in farms ..... farms	1,083	760	1,980,982	1,923,871	11,830	7,005
acres	196,960	116,285	521,622,214	534,480,132	2,140,022	1,184,866
Rented or leased land in farms ..... farms	419	344	659,608	680,873	3,527	2,242
acres	208,046	150,472	342,197,614	345,513,400	1,478,227	771,345
TENURE						
Full owners ..... farms	937	639	1,454,717	1,386,506	9,065	5,419
acres	107,345	99,288	300,373,783	312,225,942	1,280,624	744,246
Part owners ..... farms	146	121	526,265	537,365	2,765	1,586
acres	244,013	81,767	484,173,586	483,391,385	2,005,660	995,561
Tenants ..... farms	273	223	133,343	143,508	762	656
acres	53,648	85,702	79,272,459	84,376,205	331,965	216,404
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ..... farms	1,356	983	2,114,325	2,067,379	12,592	7,661
$1,000	102,355	56,892	298,582,723	203,273,157	738,502	298,796
Market value of agricultural products sold ..... farms	1,356	983	2,114,325	2,067,379	12,592	7,661
$1,000	101,543	56,473	290,711,305	196,787,507	718,597	290,280
Crops, including nursery and greenhouse crops ..... farms	651	512	953,563	921,946	4,635	2,929
$1,000	74,498	43,307	140,022,605	92,368,594	350,668	136,242
Livestock, poultry, and their products ..... farms	545	372	1,035,960	1,064,010	6,893	4,090
$1,000	27,044	13,166	150,688,701	104,418,913	367,929	154,038
Government payments ..... farms	123	66	821,705	697,201	2,619	1,418
$1,000	812	420	7,871,418	6,485,650	19,905	8,516
FARMS BY ECONOMIC CLASS						
Less than $1,000	343	226	470,379	414,665	3,644	1,965
$1,000 to $2,499	237	165	257,260	296,371	1,714	1,270
$2,500 to $4,999	175	118	234,846	234,863	1,575	1,057
$5,000 to $9,999	153	126	243,870	238,816	1,547	1,001
$10,000 to $24,999	198	142	263,909	265,091	1,775	1,008
$25,000 to $49,999	85	69	158,595	159,837	803	526
$50,000 or more	165	137	485,466	457,736	1,534	834
COMMODITY CREDIT CORPORATION (CCC) LOANS AND FEDERAL FARM PROGRAM PAYMENTS						
CCC loans ..... farms	7	4	50,006	104,958	74	124
$1,000	364	48	4,420,934	3,813,448	6,829	3,178
Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs [1] ..... farms	40	13	341,202	265,328	877	465
$1,000	163	61	1,734,407	1,373,953	4,907	2,212
Other Federal farm program payments ..... farms	104	60	673,115	523,695	2,255	1,082
$1,000	649	359	6,137,011	5,111,697	14,998	6,304
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)						
Oilseed and grain farming (1111)	32	36	333,863	344,753	682	464
Vegetable and melon farming (1112)	85	47	34,130	31,619	292	171
Fruit and tree nut farming (1113)	335	269	90,742	89,642	901	829
Greenhouse, nursery, and floriculture production (1114)	118	113	52,249	61,683	366	385
Other crop farming (1119)	148	94	505,509	433,798	2,475	1,190
Tobacco farming (11191)	-	-	9,306	35,901	57	76
Cotton farming (11192)	2	-	9,656	13,945	54	46
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	146	94	486,547	383,952	2,364	1,068
Beef cattle ranching and farming (112111)	326	195	623,174	639,273	4,517	2,668
Cattle feedlots (112112)	14	4	30,402	54,449	149	161
Dairy cattle and milk production (11212)	5	12	56,764	71,968	140	111
Hog and pig farming (1122)	32	22	29,267	32,044	171	107
Poultry and egg production (1123)	36	32	61,476	42,901	529	241
Sheep and goat farming (1124)	83	48	61,212	42,782	534	231
Animal aquaculture and other animal production (1125, 1129)	142	111	235,537	222,467	1,836	1,103

See footnote(s) at end of table.

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Table 54. **Selected Farm Characteristics by Race of Principal Operator: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All principal operators		Principal operator reporting - One race: American Indian or Alaska Native		Asian		Black or African American	
	2007	2002	2007	2002	2007	2002	2007	2002
OTHER FARM CHARACTERISTICS								
Farms by-								
Type of organization:								
Family or individual	1,906,335	1,909,598	32,051	14,166	8,833	6,498	27,120	27,567
Partnerships	174,247	129,593	1,494	590	1,097	772	2,476	1,051
Corporations	96,074	73,752	511	266	1,125	1,025	635	241
Other - cooperative, estate or trust, institutional, etc	28,136	16,039	650	472	159	80	368	231
Number of operators:								
1 operator	1,273,122	1,325,855	18,280	8,385	6,100	4,948	21,814	22,384
2 operators	786,598	681,435	13,382	5,947	4,093	2,679	6,869	5,424
3 operators	112,285	84,917	2,440	749	741	503	1,610	870
4 operators	22,529	24,819	357	271	169	119	187	196
5 or more operators	10,258	11,956	247	142	111	126	119	216
Number of women operators:								
1 woman operator	894,347	745,369	18,388	7,110	4,959	3,049	9,398	6,670
2 women operators	45,408	40,423	1,572	496	303	220	479	412
3 women operators	5,439	5,125	233	76	36	46	83	75
4 women operators	1,017	944	32	14	14	4	10	20
5 or more women operators	546	393	22	6	9	2	15	17
Farms reporting-								
Internet access	1,246,723	1,056,875	14,729	8,092	5,339	3,756	10,516	8,443
High-speed internet access	726,700	(NA)	7,871	(NA)	3,674	(NA)	5,655	(NA)
Principal operator is a hired manager ....farms	59,759	55,372	884	540	801	632	918	1,046
acres	120,672,499	103,135,293	34,434,025	29,448,030	231,180	153,087	179,418	204,697
Farms by number of households sharing in net income of farm:								
1 household	1,733,827	1,647,030	26,276	11,817	7,529	5,072	23,236	21,239
2 households	356,707	313,574	5,946	2,101	2,272	1,623	5,521	4,829
3 households	66,438	62,987	1,268	551	574	450	1,015	1,001
4 households	30,004	28,846	648	272	421	298	521	570
5 or more households	17,816	21,173	568	213	418	300	306	405
Farms by share of principal operator's total household income from farming:								
Less than 25 percent	1,583,710	1,308,886	29,112	11,200	7,169	4,611	27,051	22,830
25 to 49 percent	174,800	212,788	2,031	1,419	1,031	855	1,488	2,424
50 to 74 percent	187,421	213,656	1,919	1,165	1,263	980	1,122	1,699
75 to 99 percent	147,092	146,828	1,002	728	1,001	643	615	875
100 percent	111,769	191,452	642	982	750	1,286	323	1,262

See footnote(s) at end of table.

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Table 54. **Selected Farm Characteristics by Race of Principal Operator: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Principal operator reporting-					
	One race				More than one race	
	Native Hawaiian or Other Pacific Islander		White			
	2007	2002	2007	2002	2007	2002
OTHER FARM CHARACTERISTICS						
Farms by-						
Type of organization:						
Family or individual	1,182	890	1,826,072	1,853,355	11,077	7,122
Partnerships	98	44	168,117	126,817	965	319
Corporations	63	36	93,360	72,028	380	156
Other - cooperative, estate or trust, institutional, etc	13	13	26,776	15,179	170	64
Number of operators:						
1 operator	754	494	1,219,552	1,285,433	6,622	4,211
2 operators	500	409	756,773	664,078	4,981	2,898
3 operators	80	51	106,673	82,357	741	387
4 operators	12	14	21,640	24,098	164	121
5 or more operators	10	15	9,687	11,413	84	44
Number of women operators:						
1 woman operator	613	494	854,865	724,463	6,124	3,583
2 women operators	41	34	42,643	39,023	370	238
3 women operators	4	3	5,039	4,890	44	35
4 women operators	-	-	946	904	15	2
5 or more women operators	-	1	494	367	6	-
Farms reporting-						
Internet access	710	544	1,208,411	1,032,096	7,018	3,944
High-speed internet access	481	(NA)	705,211	(NA)	3,808	(NA)
Principal operator is a hired manager ... farms	74	76	56,759	52,919	323	159
acres	151,223	117,222	85,179,151	73,013,990	497,502	198,267
Farms by number of households sharing in net income of farm:						
1 household	1,029	704	1,665,820	1,602,168	9,937	6,030
2 households	242	140	340,651	303,832	2,075	1,049
3 households	35	28	63,203	60,729	343	228
4 households	26	17	28,229	27,578	159	111
5 or more households	24	18	16,422	20,153	78	84
Farms by share of principal operator's total household income from farming:						
Less than 25 percent	1,079	724	1,509,241	1,319,412	10,058	5,481
25 to 49 percent	105	74	169,298	207,282	847	734
50 to 74 percent	91	64	182,233	209,153	793	595
75 to 99 percent	45	37	143,901	144,167	528	378
100 percent	36	84	109,652	187,365	366	473

[1] 2002 data do not include farms with land in Farmable Wetlands or Conservation Reserve Enhancement Programs.

Table 55. **Selected Farm Characteristics by Race: 2007**

[Data were collected for a maximum of three operators per farm. For meaning of abbreviations and symbols, see introductory text]

Characteristics	Any operator reporting race as -					Any operator reporting ethnicity as Spanish, Hispanic, or Latino origin
	American Indian or Alaska Native alone or in combination with other races	Asian alone or in combination with other races	Black or African American alone or in combination with other races	Native Hawaiian or Other Pacific Islander alone or in combination with other races	White alone or in combination with other races	
FARMS AND LAND IN FARMS						
Farms ..... number	61,472	15,360	32,938	3,210	2,137,088	66,671
Land in farms ..... acres	58,163,401	2,322,805	3,826,403	816,698	872,537,716	24,600,997
FARMS BY SIZE						
1 to 9 acres	16,198	5,088	4,265	1,111	213,036	14,088
10 to 49 acres	17,105	5,382	12,484	1,051	599,692	23,254
50 to 179 acres	14,838	2,977	11,803	569	643,199	14,810
180 to 499 acres	7,474	1,131	3,369	272	362,097	7,516
500 acres or more	5,857	782	1,017	207	319,064	7,003
OWNED AND RENTED LAND IN FARMS						
Owned land in farms ..... farms	58,459	13,167	30,222	2,695	2,002,394	62,034
acres	49,512,617	1,519,176	2,555,302	431,112	527,504,935	16,375,332
Rented or leased land in farms ..... farms	13,717	3,961	10,056	910	665,584	15,621
acres	8,650,784	803,629	1,271,101	385,586	345,032,781	8,225,665
TENURE						
Full owners ..... farms	47,755	11,399	22,882	2,300	1,471,504	51,050
acres	42,916,318	1,135,868	1,952,699	243,126	304,476,813	10,425,013
Part owners ..... farms	10,704	1,768	7,340	395	530,890	10,984
acres	12,880,085	973,434	1,510,725	446,859	488,184,647	11,865,084
Tenants ..... farms	3,013	2,193	2,716	515	134,694	4,637
acres	2,366,998	213,503	362,979	126,713	79,876,256	2,310,900
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ..... farms	61,472	15,360	32,938	3,210	2,137,088	66,671
$1,000	3,255,575	4,253,454	1,015,470	410,478	300,305,779	12,773,746
Market value of agricultural products sold ..... farms	61,472	15,360	32,938	3,210	2,137,088	66,671
$1,000	3,165,858	4,233,768	972,038	406,852	292,401,775	12,658,742
Crops, including nursery and greenhouse crops ..... farms	19,209	9,976	10,082	1,518	961,439	26,819
$1,000	1,455,080	2,755,940	474,280	316,529	141,032,720	7,488,049
Livestock, poultry, and their products ..... farms	34,010	4,291	16,122	1,263	1,048,184	29,881
$1,000	1,710,778	1,477,827	497,757	90,323	151,369,055	5,170,693
Government payments ..... farms	10,981	1,918	8,778	433	826,116	10,675
$1,000	89,717	19,687	43,433	3,625	7,904,004	115,005
FARMS BY ECONOMIC CLASS						
Less than $1,000	21,949	2,628	10,404	880	477,434	19,881
$1,000 to $2,499	8,945	1,531	5,679	483	260,374	8,742
$2,500 to $4,999	7,548	1,449	4,895	405	237,624	7,696
$5,000 to $9,999	6,981	1,644	4,631	375	246,687	7,178
$10,000 to $24,999	6,870	2,104	3,816	433	266,872	7,676
$25,000 to $49,999	3,184	1,348	1,551	209	159,981	4,408
$50,000 or more	5,995	4,656	1,962	425	488,116	11,090
COMMODITY CREDIT CORPORATION (CCC) LOANS AND FEDERAL FARM PROGRAM PAYMENTS						
CCC loans ..... farms	352	81	348	23	50,130	522
$1,000	27,109	6,407	9,886	1,080	4,430,944	48,476
Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs ..... farms	3,880	646	2,818	154	342,640	3,311
$1,000	22,571	3,632	6,744	805	1,741,537	18,204
Other Federal farm program payments ..... farms	9,112	1,610	7,377	355	676,875	9,084
$1,000	67,146	16,055	36,688	2,820	6,162,467	96,801
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)						
Oilseed and grain farming (1111)	2,451	498	2,581	103	334,880	2,327
Vegetable and melon farming (1112)	3,459	1,544	1,826	141	34,717	1,746
Fruit and tree nut farming (1113)	2,655	5,106	1,008	738	92,416	10,769
Greenhouse, nursery, and floriculture production (1114)	957	1,853	423	274	52,914	2,972
Other crop farming (1119)	10,204	1,576	6,931	454	509,839	10,974
Tobacco farming (11191)	117	12	248	2	9,382	91
Cotton farming (11192)	124	40	213	3	9,746	384
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	9,963	1,524	6,470	449	490,711	10,499
Beef cattle ranching and farming (112111)	23,085	1,916	14,749	809	631,399	21,894
Cattle feedlots (112112)	555	90	205	26	30,652	608
Dairy cattle and milk production (11212)	523	80	183	27	56,972	833
Hog and pig farming (1122)	636	135	708	67	29,585	650
Poultry and egg production (1123)	2,066	1,102	842	89	62,512	2,347
Sheep and goat farming (1124)	5,579	366	827	147	62,167	3,207
Animal aquaculture and other animal production (1125, 1129)	9,302	1,094	2,655	335	239,035	8,344

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Table 55. **Selected Farm Characteristics by Race: 2007** - Con.

[Data were collected for a maximum of three operators per farm. For meaning of abbreviations and symbols, see introductory text]

Characteristics	Any operator reporting race as -					Any operator reporting ethnicity as Spanish, Hispanic, or Latino origin
	American Indian or Alaska Native alone or in combination with other races	Asian alone or in combination with other races	Black or African American alone or in combination with other races	Native Hawaiian or Other Pacific Islander alone or in combination with other races	White alone or in combination with other races	
OTHER FARM CHARACTERISTICS						
Farms by-						
Type of organization:						
Family or individual	55,302	12,219	28,946	2,731	1,845,823	56,498
Partnerships	3,776	1,447	2,763	245	169,959	5,879
Corporations	1,394	1,459	809	189	94,204	3,430
Other - cooperative, estate or trust, institutional, etc.	1,000	235	420	45	27,102	864
Number of operators:						
1 operator	23,857	6,780	22,268	1,174	1,225,877	33,710
2 operators	30,697	6,872	8,050	1,626	770,440	26,207
3 operators	5,538	1,289	2,182	337	108,862	5,087
4 operators	878	255	269	41	22,013	1,046
5 or more operators	502	164	169	32	9,896	621
Number of women operators:						
1 woman operator	37,197	8,008	10,776	1,876	869,917	28,758
2 women operators	2,709	519	622	124	43,530	1,869
3 women operators	367	54	113	21	5,154	217
4 women operators	65	19	18	-	975	45
5 or more women operators	41	17	17	2	505	40
Farms reporting-						
Internet access	31,018	8,060	11,877	1,859	1,222,096	32,648
High-speed internet access	16,848	5,478	6,530	1,251	712,798	20,189
Principal operator is a hired manager ....farms	1,465	1,051	1,059	164	57,374	3,857
acres	35,147,642	415,569	313,556	177,727	86,567,574	5,252,703
Farms by number of households sharing in net income of farm:						
1 household	46,783	10,735	24,969	2,486	1,683,587	50,079
2 households	10,790	2,930	5,944	522	344,514	11,948
3 households	2,139	721	1,124	96	63,836	2,406
4 households	997	498	559	64	28,532	1,240
5 or more households	763	476	342	42	16,619	998
Farms by share of principal operator's total household income from farming:						
Less than 25 percent	50,696	10,404	28,938	2,554	1,527,704	53,096
25 to 49 percent	3,804	1,283	1,628	229	170,745	4,170
50 to 74 percent	3,565	1,547	1,261	209	183,618	4,300
75 to 99 percent	2,075	1,225	705	124	144,734	2,869
100 percent	1,332	901	406	94	110,287	2,236

Table 56. **Selected Principal Operator Characteristics by Race: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All principal operators		American Indian or Alaska Native		Asian		Black or African American	
	2007	2002	2007	2002	2007	2002	2007	2002
Operators .....number	2,204,792	2,128,982	34,706	15,494	11,214	8,375	30,599	29,090
Sex of operator:								
Male	1,898,583	1,891,163	24,603	13,076	9,181	7,092	26,170	26,196
Female	306,209	237,819	10,103	2,418	2,033	1,283	4,429	2,894
Primary occupation:								
Farming	993,881	1,224,246	17,682	8,369	6,398	5,398	13,588	16,173
Other	1,210,911	904,736	17,024	7,125	4,816	2,977	17,011	12,917
Place of residence:								
On farm operated	1,693,362	1,680,160	27,954	12,634	7,125	5,203	19,620	19,473
Not on farm operated	511,430	448,822	6,752	2,860	4,089	3,172	10,979	9,617
Days worked off farm:								
None	777,747	962,200	12,674	5,815	3,219	4,419	10,402	14,145
Any	1,427,045	1,166,782	22,032	9,679	7,995	3,956	20,197	14,945
1 to 49 days	238,479	122,248	3,364	833	1,602	642	3,324	1,767
50 to 99 days	115,578	66,306	2,275	534	894	352	2,339	1,121
100 to 199 days	196,687	145,880	3,417	1,231	1,182	535	3,494	1,981
200 days or more	876,301	832,348	12,976	7,081	4,317	2,427	11,040	10,076
Years on present farm:								
2 years or less	84,883	74,754	1,451	822	820	456	1,338	1,058
3 or 4 years	138,858	143,599	2,399	1,450	1,238	736	2,019	2,033
5 to 9 years	359,545	374,756	5,997	3,676	2,285	1,856	5,299	5,469
10 years or more	1,621,506	1,535,873	24,859	9,546	6,871	5,327	21,943	20,530
Age group:								
Under 25 years	11,878	16,962	227	166	77	70	158	213
25 to 34 years	106,735	106,097	1,975	940	439	299	722	668
35 to 44 years	268,818	366,306	4,645	2,974	1,511	1,422	2,528	2,953
45 to 54 years	565,401	572,664	8,860	4,877	3,076	2,714	6,477	7,017
55 to 64 years	596,306	509,123	8,586	3,881	3,288	1,857	9,487	7,682
65 to 74 years	412,182	354,430	6,651	1,879	1,637	1,079	6,854	6,449
75 years and over	243,472	203,400	3,762	777	1,186	934	4,373	4,108
Average age	57.1	55.3	56.6	52.6	56.4	55.2	60.3	59.4
Number of persons living in household	5,797,906	5,717,302	102,031	43,752	35,329	26,872	75,466	73,995

Characteristics	Native Hawaiian or Other Pacific Islander		White		More than one race reported	
	2007	2002	2007	2002	2007	2002
Operators .....number	1,356	983	2,114,325	2,067,379	12,592	7,661
Sex of operator:						
Male	1,089	773	1,827,233	1,837,792	10,307	6,234
Female	267	210	287,092	229,587	2,285	1,427
Primary occupation:						
Farming	631	530	949,809	1,189,636	5,773	4,140
Other	725	453	1,164,516	877,743	6,819	3,521
Place of residence:						
On farm operated	930	673	1,627,466	1,635,864	10,267	6,313
Not on farm operated	426	310	486,859	431,515	2,325	1,348
Days worked off farm:						
None	345	426	746,846	934,285	4,261	3,110
Any	1,011	557	1,367,479	1,133,094	8,331	4,551
1 to 49 days	135	54	228,676	118,510	1,378	442
50 to 99 days	116	39	109,232	64,013	722	247
100 to 199 days	182	90	187,147	141,332	1,265	711
200 days or more	578	374	842,424	809,239	4,966	3,151
Years on present farm:						
2 years or less	88	65	80,598	72,024	588	329
3 or 4 years	164	119	132,144	138,602	894	659
5 to 9 years	304	227	343,293	361,860	2,367	1,668
10 years or more	800	572	1,558,290	1,494,893	8,743	5,005
Age group:						
Under 25 years	7	5	11,353	16,474	56	34
25 to 34 years	41	64	103,022	103,783	536	343
35 to 44 years	200	139	258,495	357,501	1,439	1,317
45 to 54 years	397	328	543,382	555,378	3,209	2,350
55 to 64 years	391	261	570,877	493,547	3,677	1,895
65 to 74 years	210	133	394,369	343,726	2,461	1,164
75 years and over	110	53	232,827	196,970	1,214	558
Average age	55.7	53.6	57.1	55.3	57.3	54.7
Number of persons living in household	4,094	3,008	5,548,092	5,548,756	32,894	20,919

Table 57. **Selected Operator Characteristics by Race: 2007**

[Data were collected for a maximum of three operators per farm. For meaning of abbreviations and symbols, see introductory text]

Characteristics	American Indian or Alaska Native only	American Indian or Alaska Native alone or in combination with other races	Asian only	Asian alone or in combination with other races	Black or African American only	Black or African American alone or in combination with other races
Operators ..... number	55,889	77,437	18,289	20,417	39,697	41,024
Sex of operator:						
Male	33,044	45,294	11,599	12,922	30,549	31,436
Female	22,845	32,143	6,690	7,495	9,148	9,588
Primary occupation:						
Farming	27,158	35,651	9,718	10,656	16,990	17,547
Other	28,731	41,786	8,571	9,761	22,707	23,477
Place of residence:						
On farm operated	44,160	61,172	11,735	13,295	24,809	25,787
Not on farm operated	11,729	16,265	6,554	7,122	14,888	15,237
Days worked off farm:						
None	19,805	26,832	5,174	5,833	13,040	13,446
Any	36,084	50,605	13,115	14,584	26,657	27,578
1 to 49 days	5,945	8,637	2,643	2,897	4,558	4,754
50 to 99 days	3,977	5,283	1,507	1,669	3,340	3,426
100 to 199 days	5,761	8,003	2,031	2,243	4,589	4,730
200 days or more	20,401	28,682	6,934	7,775	14,170	14,668
Years on present farm:						
2 years or less	3,216	4,449	1,550	1,689	2,232	2,309
3 or 4 years	4,463	6,243	2,262	2,475	3,106	3,229
5 to 9 years	10,606	15,217	3,961	4,438	7,442	7,768
10 years or more	37,604	51,528	10,516	11,815	26,917	27,718
Age group:						
Under 25 years	1,510	1,963	329	414	580	630
25 to 34 years	4,359	5,689	1,124	1,278	1,334	1,452
35 to 44 years	8,803	11,823	2,816	3,141	3,882	4,057
45 to 54 years	14,534	20,257	5,154	5,765	8,818	9,185
55 to 64 years	12,835	18,807	4,984	5,481	12,019	12,332
65 to 74 years	8,914	12,487	2,327	2,622	8,138	8,358
75 years and over	4,934	6,411	1,555	1,716	4,926	5,010
Average age of -						
All operators	53.8	54.0	54.2	54.0	58.5	58.3
Principal operator	56.6	56.7	56.4	56.5	60.3	60.2
Second operator	50.9	51.5	51.6	51.3	53.8	53.6
Third operator	41.6	42.1	45.2	43.9	48.0	47.3
Number of persons living in household of -						
Principal operator	102,031	129,901	35,329	38,709	75,466	77,548
Second operator	12,095	19,031	5,005	5,614	8,319	8,695
Third operator	4,918	6,511	1,698	1,978	2,907	3,059

Characteristics	Native Hawaiian or Pacific Islander only	Native Hawaiian or Pacific Islander alone or in combination with other races	White only	White alone or in combination with other races
Operators ..... number	2,359	3,695	3,140,754	3,164,285
Sex of operator:				
Male	1,465	2,312	2,205,498	2,219,067
Female	894	1,383	935,256	945,218
Primary occupation:				
Farming	1,055	1,626	1,335,085	1,344,396
Other	1,304	2,069	1,805,669	1,819,889
Place of residence:				
On farm operated	1,636	2,608	2,390,874	2,409,323
Not on farm operated	723	1,087	749,880	754,962
Days worked off farm:				
None	641	1,023	1,071,369	1,078,979
Any	1,718	2,672	2,069,385	2,085,306
1 to 49 days	281	437	347,410	350,336
50 to 99 days	192	289	170,391	171,811
100 to 199 days	327	480	289,718	292,129
200 days or more	918	1,466	1,261,866	1,271,030
Years on present farm:				
2 years or less	193	266	154,378	155,712
3 or 4 years	301	438	227,656	229,689
5 to 9 years	610	900	565,079	570,084
10 years or more	1,255	2,091	2,193,641	2,208,800
Age group:				
Under 25 years	54	98	51,156	51,688
25 to 34 years	125	206	200,891	202,370
35 to 44 years	406	587	449,409	452,685
45 to 54 years	701	1,078	841,704	848,006
55 to 64 years	627	1,002	811,121	817,554
65 to 74 years	297	490	509,740	513,611
75 years and over	149	234	276,733	278,371
Average age of -				
All operators	53.1	53.3	54.9	54.9
Principal operator	55.7	56.6	57.1	57.1
Second operator	50.9	50.4	51.3	51.3
Third operator	42.2	41.1	44.7	44.7
Number of persons living in household of -				
Principal operator	4,094	6,247	5,548,092	5,579,479
Second operator	556	969	757,614	764,915
Third operator	215	391	227,356	229,161

Table 58. **Summary by Size of Farm: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
FARMS AND LAND IN FARMS						
Farms ..... number	2,204,792	232,849	620,283	153,862	192,043	175,146
percent	100.0	10.6	28.1	7.0	8.7	7.9
Land in farms ..... acres	922,095,840	1,080,019	15,918,542	8,930,361	15,783,304	20,313,722
Average size of farm ..... acres	418	5	26	58	82	116
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ..... farms	2,204,792	232,849	620,283	153,862	192,043	175,146
$1,000	305,204,413	6,866,537	21,412,065	7,472,937	10,142,372	10,593,526
Average per farm ..... dollars	138,428	29,489	34,520	48,569	52,813	60,484
Farms by economic class:						
Less than $1,000 (see text)	499,880	92,363	228,425	38,094	37,894	34,320
$1,000 to $2,499	270,712	45,872	125,853	25,951	26,834	17,526
$2,500 to $4,999	246,309	31,287	90,719	26,009	31,704	23,616
$5,000 to $9,999	254,834	23,447	71,126	25,238	33,457	29,821
$10,000 to $24,999	274,274	19,532	50,629	20,240	31,016	31,800
$25,000 to $49,999	163,500	7,829	20,018	7,603	15,505	17,685
$50,000 to $99,999	129,124	4,054	11,932	3,168	5,631	9,459
$100,000 to $249,999	149,049	3,798	8,635	3,414	4,734	5,098
$250,000 to $499,999	96,251	1,926	4,230	1,468	2,040	2,421
$500,000 to $999,999	63,567	1,481	3,864	1,105	1,360	1,525
$1,000,000 or more	57,292	1,260	4,852	1,572	1,868	1,875
$1,000,000 to $2,499,999	41,863	956	3,534	1,136	1,322	1,324
$2,500,000 to $4,999,999	9,845	179	921	264	346	337
$5,000,000 or more	5,584	125	397	172	200	214
Total sales ..... farms	2,204,792	232,849	620,283	153,862	192,043	175,146
$1,000	297,220,491	6,845,798	21,227,336	7,376,730	9,962,585	10,392,597
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	6,254	44,403	18,136	30,897	31,519
$1,000	77,215,262	25,138	281,539	200,843	509,913	711,220
Sales of $50,000 or more ..... farms	235,343	80	146	122	804	3,477
$1,000	73,535,966	9,924	15,445	9,716	53,469	226,779
Corn ..... farms	347,540	3,761	27,036	12,069	22,064	23,534
$1,000	39,909,600	15,574	160,704	110,723	294,502	408,194
Sales of $50,000 or more ..... farms	151,428	54	81	50	414	1,365
$1,000	36,859,125	5,703	8,432	3,770	28,188	90,680
Wheat ..... farms	159,527	358	4,884	2,820	5,503	6,191
$1,000	10,623,640	392	15,669	13,442	31,174	43,375
Sales of $50,000 or more ..... farms	47,250	-	1	3	10	25
$1,000	8,944,760	-	(D)	(D)	544	1,623
Soybeans ..... farms	285,089	2,499	19,168	8,541	15,855	17,540
$1,000	20,283,986	8,949	97,116	68,720	168,666	236,413
Sales of $50,000 or more ..... farms	109,269	20	26	14	17	132
$1,000	17,191,360	2,005	2,696	1,317	1,192	8,093
Sorghum ..... farms	27,142	62	478	279	474	567
$1,000	1,651,798	53	1,466	1,578	3,275	4,781
Sales of $50,000 or more ..... farms	8,972	-	-	-	-	1
$1,000	1,348,798	-	-	-	-	(D)
Barley ..... farms	18,326	42	544	311	590	707
$1,000	701,047	19	1,023	740	2,243	2,862
Sales of $50,000 or more ..... farms	3,973	-	-	-	-	-
$1,000	526,415	-	-	-	-	-
Rice ..... farms	6,085	10	108	87	100	125
$1,000	2,020,231	32	2,095	2,864	3,798	7,543
Sales of $50,000 or more ..... farms	5,184	-	1	14	28	63
$1,000	1,995,322	-	(D)	966	(D)	5,959
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	337	2,727	1,649	2,964	3,401
$1,000	2,024,959	118	3,466	2,775	6,256	8,051
Sales of $50,000 or more ..... farms	10,062	-	-	3	5	11
$1,000	1,698,514	-	-	162	458	836
Tobacco ..... farms	16,228	907	2,366	1,214	1,672	1,654
$1,000	1,268,114	9,286	47,348	27,792	46,981	55,118
Sales of $50,000 or more ..... farms	4,495	8	196	93	184	243
$1,000	1,076,035	475	19,146	9,135	23,016	32,558
Cotton and cottonseed ..... farms	18,591	72	532	259	375	480
$1,000	4,898,608	142	4,213	3,422	7,944	12,882
Sales of $50,000 or more ..... farms	13,232	-	5	4	33	58
$1,000	4,784,510	-	295	248	2,421	4,843
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	15,324	21,119	4,478	4,656	3,880
$1,000	14,683,058	128,527	408,066	132,017	194,592	233,555
Sales of $50,000 or more ..... farms	13,824	269	1,580	572	698	731
$1,000	14,167,307	36,945	234,709	92,313	154,917	199,970
Fruits, tree nuts, and berries ..... farms	112,690	31,168	41,266	6,978	7,070	5,685
$1,000	18,625,459	282,559	1,564,846	575,243	738,511	851,059
Sales of $50,000 or more ..... farms	28,824	558	9,104	2,683	2,964	2,461
$1,000	17,681,378	46,579	1,110,718	523,628	691,642	815,901
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	20,186	16,709	2,811	2,406	2,048
$1,000	16,632,734	1,742,458	3,666,908	1,174,753	1,026,499	997,278
Sales of $50,000 or more ..... farms	17,039	5,065	5,526	1,058	946	855
$1,000	16,227,627	1,577,222	3,526,538	1,153,376	1,007,491	980,795
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	2,272	5,206	1,188	1,316	998
$1,000	384,594	8,440	43,767	17,855	24,509	21,409
Sales of $50,000 or more ..... farms	1,088	15	144	80	143	126
$1,000	306,465	1,407	14,024	8,976	15,909	14,089

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
FARMS AND LAND IN FARMS							
Farms ....number	139,479	87,502	68,313	212,553	149,713	92,656	80,393
percent	6.3	4.0	3.1	9.6	6.8	4.2	3.6
Land in farms ....acres	21,954,090	17,283,570	16,258,454	75,892,077	104,140,461	127,595,277	496,945,963
Average size of farm ....acres	157	198	238	357	696	1,377	6,181
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS							
Total ....farms	139,479	87,502	68,313	212,553	149,713	92,656	80,393
$1,000	9,955,356	8,299,422	8,056,538	35,798,682	50,863,929	53,890,697	81,852,352
Average per farm ....dollars	71,375	94,848	117,936	168,422	339,743	581,621	1,018,153
Farms by economic class:							
Less than $1,000 (see text)	21,409	11,422	7,067	16,675	7,208	2,790	2,213
$1,000 to $2,499	10,581	5,425	3,243	6,334	2,156	639	298
$2,500 to $4,999	16,325	7,720	4,749	9,718	3,090	934	438
$5,000 to $9,999	23,381	12,586	8,820	19,040	5,560	1,551	807
$10,000 to $24,999	27,265	18,079	14,196	38,657	16,048	4,485	2,327
$25,000 to $49,999	16,187	11,255	9,252	29,660	17,358	7,434	3,714
$50,000 to $99,999	13,361	10,244	9,171	28,300	17,839	9,502	6,463
$100,000 to $249,999	5,996	6,294	7,409	41,621	32,580	15,219	14,251
$250,000 to $499,999	2,137	1,965	2,066	12,472	31,286	20,379	13,861
$500,000 to $999,999	1,328	1,212	1,167	4,952	9,608	20,629	15,336
$1,000,000 or more	1,509	1,300	1,173	5,124	6,980	9,094	20,685
$1,000,000 to $2,499,999	1,062	911	822	3,594	5,003	6,827	15,372
$2,500,000 to $4,999,999	261	255	212	970	1,207	1,446	3,447
$5,000,000 or more	186	134	139	560	770	821	1,866
Total sales ....farms	139,479	87,502	68,313	212,553	149,713	92,656	80,393
$1,000	9,700,376	8,116,422	7,870,430	34,865,082	49,447,851	52,135,313	79,279,971
Grains, oilseeds, dry beans, and dry peas ....farms	32,353	22,464	20,783	82,108	80,755	60,754	49,041
$1,000	1,048,257	898,615	1,039,389	6,703,393	14,154,746	20,382,076	31,260,132
Sales of $50,000 or more ....farms	8,281	7,794	9,117	47,677	62,330	52,432	43,083
$1,000	599,354	627,045	824,947	6,039,377	13,786,817	20,205,501	31,137,592
Corn ....farms	23,856	17,454	16,165	63,966	63,248	44,641	29,746
$1,000	592,865	503,126	585,784	3,795,990	8,002,494	10,998,221	14,441,423
Sales of $50,000 or more ....farms	3,066	3,245	4,505	30,344	46,298	37,231	24,775
$1,000	219,292	238,612	354,543	3,099,951	7,640,018	10,834,739	14,335,197
Wheat ....farms	7,867	5,258	5,236	25,010	30,733	31,131	34,536
$1,000	74,599	54,272	61,986	438,421	1,009,330	2,084,191	6,796,791
Sales of $50,000 or more ....farms	71	75	106	1,450	6,128	14,009	25,372
$1,000	4,775	5,393	7,997	111,898	549,979	1,689,382	6,572,697
Soybeans ....farms	18,884	14,176	13,304	55,055	56,970	40,449	22,648
$1,000	342,785	303,060	344,189	2,140,167	4,372,236	5,832,465	6,369,219
Sales of $50,000 or more ....farms	402	699	1,369	16,839	37,145	33,016	19,590
$1,000	25,316	42,999	86,136	1,223,197	3,865,155	5,642,616	6,290,640
Sorghum ....farms	912	582	697	3,593	5,377	6,451	7,670
$1,000	9,019	6,922	9,630	66,756	181,957	398,292	968,070
Sales of $50,000 or more ....farms	8	18	27	276	1,155	2,764	4,723
$1,000	(D)	1,272	1,935	19,760	102,395	319,230	903,689
Barley ....farms	728	652	641	2,427	2,881	3,425	5,378
$1,000	4,073	3,816	4,827	32,161	73,359	151,549	424,376
Sales of $50,000 or more ....farms	4	5	13	150	428	965	2,408
$1,000	227	641	834	12,520	41,981	105,402	364,810
Rice ....farms	168	166	159	844	1,300	1,516	1,502
$1,000	13,443	16,634	22,037	153,171	322,929	516,163	959,523
Sales of $50,000 or more ....farms	102	106	127	695	1,177	1,428	1,443
$1,000	11,570	14,686	20,950	148,618	319,184	513,303	957,667
Other grains, oilseeds, dry beans, and dry peas ....farms	3,215	2,504	2,277	8,614	8,414	8,284	10,842
$1,000	11,474	10,787	10,937	76,726	192,442	401,195	1,300,731
Sales of $50,000 or more ....farms	27	18	30	332	1,172	2,696	5,768
$1,000	1,964	1,474	1,999	28,210	124,471	323,269	1,215,671
Tobacco .... farms	1,183	1,009	716	2,287	1,726	1,029	465
$1,000	50,055	42,295	37,296	162,610	259,265	282,604	247,466
Sales of $50,000 or more ....farms	210	195	185	869	1,079	823	410
$1,000	34,550	28,193	27,583	134,310	243,640	277,373	246,055
Cotton and cottonseed ....farms	613	385	377	2,034	3,826	4,902	4,736
$1,000	20,926	13,932	18,617	159,958	565,606	1,337,081	2,753,887
Sales of $50,000 or more ....farms	128	92	141	1,085	2,916	4,331	4,439
$1,000	11,074	7,974	14,038	135,390	541,562	1,320,664	2,746,002
Vegetables, melons, potatoes, and sweet potatoes ....farms	2,557	1,696	1,320	4,466	4,136	2,986	2,482
$1,000	171,353	178,352	185,572	965,727	1,941,826	3,001,903	7,141,568
Sales of $50,000 or more ....farms	570	465	431	1,784	2,416	2,209	2,099
$1,000	149,520	164,251	174,724	927,495	1,911,595	2,986,980	7,133,889
Fruits, tree nuts, and berries ....farms	3,795	2,496	1,920	5,330	3,428	1,977	1,577
$1,000	824,696	625,360	663,754	2,427,378	2,645,773	2,328,323	5,097,956
Sales of $50,000 or more ....farms	1,781	1,261	996	2,833	1,956	1,181	1,046
$1,000	803,330	610,190	653,873	2,395,699	2,624,491	2,315,986	5,089,341
Nursery, greenhouse, floriculture, and sod (see text) ....farms	1,289	860	595	1,774	1,162	555	389
$1,000	741,581	630,577	558,721	2,202,962	1,940,469	1,154,237	796,292
Sales of $50,000 or more ....farms	569	421	303	977	709	350	260
$1,000	732,354	624,622	554,700	2,191,146	1,934,024	1,151,091	794,266
Cut Christmas trees and short-rotation woody crops ....farms	553	390	261	631	326	149	84
$1,000	14,572	15,351	7,955	42,557	64,247	30,366	93,566
Sales of $50,000 or more ....farms	87	78	35	164	112	62	42
$1,000	11,266	12,590	5,888	37,764	62,020	29,255	93,277

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.						
Total - Con.						
Total sales - Con.						
Other crops and hay (see text) ..... farms	434,502	11,565	113,632	35,899	45,407	41,059
$1,000	9,950,098	20,466	310,120	156,537	249,815	285,503
Sales of $50,000 or more ..... farms	27,831	27	86	117	348	660
$1,000	7,529,077	4,331	9,993	10,350	34,499	54,371
Cattle and calves ..... farms	798,290	38,626	150,791	52,095	71,132	71,605
$1,000	61,209,970	470,074	1,824,688	773,729	1,376,818	1,554,893
Sales of $50,000 or more ..... farms	119,983	1,190	2,996	1,108	1,942	2,502
$1,000	53,786,091	313,146	1,146,086	446,015	840,529	907,540
Milk and other dairy products from cows ..... farms	69,763	2,008	6,320	2,976	5,073	5,935
$1,000	31,848,029	129,607	1,199,158	638,993	1,133,776	1,494,595
Sales of $50,000 or more ..... farms	50,792	365	1,678	1,366	2,724	3,739
$1,000	31,558,210	114,150	1,153,441	616,800	1,095,920	1,453,603
Hogs and pigs ..... farms	74,789	11,861	19,643	4,210	5,200	4,588
$1,000	18,056,981	1,233,719	2,359,660	636,384	757,823	713,847
Sales of $50,000 or more ..... farms	19,956	1,529	2,133	545	720	786
$1,000	17,829,977	1,206,894	2,321,619	627,449	741,803	698,572
Sheep, goats, and their products ..... farms	121,171	27,159	43,765	7,652	8,195	6,877
$1,000	704,855	50,097	103,815	20,931	35,695	25,198
Sales of $50,000 or more ..... farms	1,825	91	129	46	72	60
$1,000	415,640	15,735	30,700	5,356	16,249	7,156
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	21,439	46,873	8,260	8,703	6,566
$1,000	2,061,862	145,535	390,716	100,495	86,858	171,303
Sales of $50,000 or more ..... farms	3,638	348	1,170	265	271	281
$1,000	1,559,047	53,140	190,852	65,964	49,429	143,943
Poultry and eggs ..... farms	148,911	26,847	55,310	11,184	12,902	10,945
$1,000	37,065,947	2,180,464	8,577,134	2,826,178	3,616,619	3,150,565
Sales of $50,000 or more ..... farms	26,267	1,739	7,278	2,226	2,671	2,528
$1,000	36,932,463	2,154,124	8,531,135	2,816,018	3,605,316	3,140,685
Aquaculture (see text) ..... farms	6,409	1,741	1,708	381	377	370
$1,000	1,415,271	176,987	218,234	43,300	64,264	80,362
Sales of $50,000 or more ..... farms	2,449	499	550	117	131	149
$1,000	1,376,454	164,088	208,114	41,313	62,337	78,524
Other animals and other animal products (see text) ..... farms	43,226	11,706	15,331	2,692	3,017	2,530
$1,000	1,199,649	242,300	227,124	48,261	91,967	33,808
Sales of $50,000 or more ..... farms	2,294	663	583	114	97	89
$1,000	1,066,659	202,110	187,538	41,666	84,518	27,634
Value of-						
Government payments ..... farms	838,391	13,028	114,668	44,939	71,515	68,426
$1,000	7,983,922	20,739	184,729	96,207	179,787	200,929
Landlord's share of total sales (see text) ..... farms	97,706	941	4,547	1,962	3,195	3,737
$1,000	6,429,386	6,379	27,040	14,760	29,610	42,461
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	136,817	29,248	49,216	9,839	10,782	9,411
$1,000	1,211,270	91,576	256,386	81,172	99,661	103,548
FARM PRODUCTION EXPENSES						
Total farm production expenses ..... farms	2,204,792	232,849	620,283	153,862	192,043	175,146
$1,000	241,113,666	6,548,653	20,357,143	6,520,369	8,750,931	9,019,675
Average per farm .....dollars	109,359	28,124	32,819	42,378	45,568	51,498
Fertilizer, lime, and soil conditioners purchased ..... farms	1,148,218	88,888	250,762	70,795	92,970	89,510
$1,000	18,107,194	83,644	379,594	167,001	277,421	339,316
Farms with expenses of-						
$1 to $4,999	734,931	86,292	239,731	64,452	79,890	70,001
$5,000 to $24,999	249,546	2,316	9,927	5,898	12,450	18,525
$25,000 to $49,999	74,633	172	697	272	435	682
$50,000 or more	89,108	108	407	173	195	302
Chemicals purchased ..... farms	918,604	66,771	190,277	51,796	69,827	67,111
$1,000	10,074,914	46,734	223,388	92,824	140,246	172,118
Farms with expenses of-						
$1 to $4,999	666,084	65,375	181,167	48,487	64,936	60,833
$5,000 to $24,999	162,785	1,232	8,295	2,788	4,038	5,191
$25,000 to $49,999	46,594	105	521	363	581	687
$50,000 or more	43,141	59	294	158	272	400
Seeds, plants, vines, and trees ..... farms	775,893	52,829	136,574	40,021	56,349	55,408
$1,000	11,740,521	266,345	655,662	203,093	250,935	276,298
Farms with expenses of-						
$1 to $999	302,164	39,974	103,342	25,053	30,063	26,054
$1,000 to $4,999	192,154	7,272	25,649	12,769	22,331	21,922
$5,000 to $24,999	173,462	3,494	4,891	1,615	3,333	6,787
$25,000 to $49,999	56,320	979	934	240	263	297
$50,000 or more	51,793	1,110	1,758	344	359	348

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.							
Total - Con.							
Total sales - Con.							
Other crops and hay (see text) ....farms	31,062	20,938	16,013	48,029	32,573	20,521	17,804
$1,000	278,783	222,906	204,376	939,093	1,439,473	1,838,641	4,004,386
Sales of $50,000 or more ....farms	867	754	774	4,364	6,458	6,152	7,224
$1,000	78,178	71,381	81,358	528,114	1,152,319	1,657,720	3,846,464
Cattle and calves ....farms	58,020	41,556	33,717	108,997	76,468	46,288	48,995
$1,000	2,072,026	1,623,568	1,525,900	7,585,803	12,617,786	11,552,788	18,231,898
Sales of $50,000 or more ....farms	3,030	2,754	2,799	16,317	24,794	23,741	36,810
$1,000	1,454,195	1,128,905	1,076,220	5,993,422	11,526,691	11,025,774	17,927,568
Milk and other dairy products from cows ....farms	5,646	4,908	4,545	16,552	10,251	3,896	1,653
$1,000	1,504,386	1,347,758	1,340,882	6,154,795	7,067,174	5,066,748	4,770,159
Sales of $50,000 or more ....farms	4,172	3,936	3,832	14,691	9,433	3,558	1,298
$1,000	1,475,213	1,328,255	1,325,027	6,115,278	7,051,951	5,062,047	4,766,524
Hogs and pigs ....farms	3,330	2,485	2,044	7,441	7,056	4,582	2,349
$1,000	574,863	525,918	581,741	2,147,037	2,904,186	2,684,574	2,937,229
Sales of $50,000 or more ....farms	717	684	677	3,229	4,331	3,174	1,431
$1,000	562,804	514,818	572,996	2,111,679	2,872,343	2,668,478	2,930,521
Sheep, goats, and their products ....farms	4,813	2,952	2,186	6,790	4,619	2,705	3,458
$1,000	49,686	16,554	12,625	50,016	78,479	54,071	207,688
Sales of $50,000 or more ....farms	69	47	36	138	186	159	792
$1,000	35,753	7,270	4,804	22,896	55,088	36,659	177,973
Horses, ponies, mules, burros, and donkeys ....farms	4,371	2,736	1,835	4,939	3,153	1,994	3,448
$1,000	77,081	71,803	44,706	214,271	307,439	288,229	163,425
Sales of $50,000 or more ....farms	203	141	116	315	228	115	185
$1,000	58,614	59,998	36,713	190,654	291,193	277,345	141,202
Poultry and eggs ....farms	6,874	4,638	3,308	8,610	4,678	2,062	1,553
$1,000	2,197,342	1,850,990	1,583,335	4,828,817	3,194,839	1,867,774	1,191,889
Sales of $50,000 or more ....farms	1,618	1,272	1,037	3,002	1,792	728	376
$1,000	2,191,811	1,846,782	1,580,481	4,820,603	3,190,307	1,865,458	1,189,742
Aquaculture (see text) ....farms	261	194	103	414	369	256	235
$1,000	45,043	32,554	50,632	163,053	147,197	158,918	234,727
Sales of $50,000 or more ....farms	108	85	49	222	207	161	171
$1,000	43,436	31,189	50,160	160,926	145,348	157,311	233,708
Other animals and other animal products (see text) ....farms	1,640	983	711	2,011	1,108	675	822
$1,000	29,726	19,888	14,930	117,613	119,346	106,981	147,705
Sales of $50,000 or more ....farms	70	56	31	127	113	101	250
$1,000	25,344	17,090	12,064	110,501	113,275	102,388	142,532
Value of-							
Government payments ....farms	69,059	43,449	38,129	134,321	109,732	72,637	58,488
$1,000	254,980	183,000	186,108	933,600	1,416,078	1,755,384	2,572,381
Landlord's share of total sales (see text) ....farms	4,004	3,308	3,042	14,939	21,382	19,949	16,700
$1,000	58,718	55,853	65,457	458,042	1,204,908	1,933,727	2,532,431
Agricultural products sold directly to individuals for human consumption (see text) ....farms	5,974	3,813	2,820	7,748	4,201	2,116	1,649
$1,000	88,251	57,431	43,509	166,825	108,933	64,746	49,232
FARM PRODUCTION EXPENSES							
Total farm production expenses ....farms	139,479	87,502	68,313	212,553	149,713	92,656	80,393
$1,000	8,310,155	6,810,449	6,414,208	27,833,908	39,059,348	40,438,779	61,050,050
Average per farm ....dollars	59,580	77,832	93,894	130,950	260,895	436,440	759,395
Fertilizer, lime, and soil conditioners purchased ....farms	73,979	51,437	42,411	142,534	112,316	73,775	58,841
$1,000	381,007	324,047	350,049	1,828,152	3,163,004	4,195,223	6,618,736
Farms with expenses of-							
$1 to $4,999	49,989	31,225	22,222	54,520	22,375	8,351	5,883
$5,000 to $24,999	22,715	18,837	18,209	68,686	42,936	17,338	11,709
$25,000 to $49,999	911	1,065	1,540	15,670	28,831	15,655	8,703
$50,000 or more	364	310	440	3,658	18,174	32,431	32,546
Chemicals purchased ....farms	58,730	40,342	34,352	119,327	99,053	67,082	53,936
$1,000	186,640	161,035	168,851	899,009	1,642,214	2,288,599	4,053,256
Farms with expenses of-							
$1 to $4,999	50,807	32,899	25,928	72,509	36,153	15,040	11,950
$5,000 to $24,999	6,824	6,506	7,474	41,150	45,457	22,113	11,717
$25,000 to $49,999	696	544	526	3,502	12,398	17,459	9,212
$50,000 or more	403	393	424	2,166	5,045	12,470	21,057
Seeds, plants, vines, and trees ....farms	49,588	34,963	29,998	107,649	93,672	65,389	53,453
$1,000	258,866	220,545	216,705	1,151,325	1,949,101	2,531,309	3,760,337
Farms with expenses of-							
$1 to $999	18,733	11,704	8,259	21,542	9,983	4,202	3,255
$1,000 to $4,999	19,075	12,215	9,966	28,530	16,040	8,313	8,072
$5,000 to $24,999	11,241	10,583	11,310	52,637	38,898	15,895	12,778
$25,000 to $49,999	245	225	248	3,915	24,047	17,647	7,280
$50,000 or more	294	236	215	1,025	4,704	19,332	22,068

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Livestock and poultry purchased or leased (see text) ..... farms	490,819	50,067	119,777	28,806	36,738	35,109
$1,000	38,003,682	1,236,494	3,098,586	849,803	1,228,926	1,192,899
Farms with expenses of-						
$1 to $4,999	306,414	41,090	94,267	21,032	25,680	23,752
$5,000 to $24,999	97,441	5,379	14,888	4,527	6,618	6,786
$25,000 to $99,999	42,768	1,886	5,102	1,493	2,246	2,464
$100,000 to $249,999	24,183	996	3,609	1,220	1,434	1,381
$250,000 or more	20,013	716	1,911	534	760	726
Breeding livestock purchased or leased (see text) ..... farms	278,572	18,686	52,644	15,096	20,517	20,821
$1,000	3,599,873	87,641	295,039	90,309	155,614	143,254
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	37,466	81,756	17,485	20,948	18,742
$1,000	34,403,809	1,148,853	2,803,547	759,495	1,073,312	1,049,645
Feed purchased ..... farms	1,135,968	144,894	336,819	76,080	91,235	83,492
$1,000	49,095,106	1,845,235	6,651,951	2,265,656	3,055,859	2,907,273
Farms with expenses of-						
$1 to $4,999	766,606	114,652	267,113	58,589	68,512	59,942
$5,000 to $24,999	245,328	24,643	53,850	12,566	15,996	16,397
$25,000 to $99,999	66,394	2,786	6,539	2,082	3,205	3,645
$100,000 to $249,999	23,472	1,249	3,131	891	1,122	1,151
$250,000 or more	34,168	1,564	6,186	1,952	2,400	2,357
Gasoline, fuels, and oils ..... farms	2,148,806	220,352	601,517	150,203	187,537	171,331
$1,000	12,912,179	351,982	993,438	306,972	419,007	453,292
Farms with expenses of-						
$1 to $4,999	1,704,545	207,558	569,947	140,283	173,811	154,598
$5,000 to $24,999	336,324	11,181	27,054	8,533	11,993	14,735
$25,000 to $49,999	64,765	1,009	2,857	878	1,125	1,344
$50,000 or more	43,172	604	1,659	509	608	654
Utilities (see text) ..... farms	1,102,530	99,087	242,824	63,042	83,150	80,774
$1,000	5,917,615	229,271	595,695	178,546	231,300	236,407
Farms with expenses of-						
$1 to $999	506,560	62,272	153,721	39,440	50,826	46,285
$1,000 to $4,999	402,839	28,656	68,829	17,827	24,894	26,497
$5,000 to $24,999	157,818	7,164	17,147	4,811	6,300	6,768
$25,000 to $49,999	19,269	573	1,960	594	684	802
$50,000 or more	16,044	422	1,167	370	446	422
Supplies, repairs, and maintenance ..... farms	1,992,234	196,891	548,885	138,381	172,583	158,890
$1,000	15,896,723	463,207	1,421,123	429,922	586,910	633,733
Farms with expenses of-						
$1 to $4,999	1,478,317	179,349	493,923	121,875	149,798	131,842
$5,000 to $24,999	389,971	15,639	49,229	14,670	20,451	24,162
$25,000 to $49,999	73,014	1,208	3,520	1,129	1,490	1,869
$50,000 or more	50,932	695	2,213	707	844	1,017
Hired farm labor ..... farms	482,186	32,031	82,876	23,330	30,013	30,989
$1,000	21,877,661	740,684	2,047,913	685,089	800,492	834,713
Farms with expenses of-						
$1 to $4,999	262,262	21,117	56,049	16,217	21,605	21,659
$5,000 to $24,999	108,122	5,814	15,054	3,815	4,533	5,116
$25,000 to $99,999	75,938	3,542	8,084	2,235	2,611	2,783
$100,000 to $249,999	21,237	1,019	2,139	641	732	880
$250,000 or more	14,627	539	1,550	422	532	551
Contract labor ..... farms	182,701	15,619	40,521	9,996	11,805	11,737
$1,000	4,514,166	93,155	354,835	117,434	130,655	152,388
Farms with expenses of-						
$1 to $999	49,657	5,975	14,369	3,526	4,352	3,805
$1,000 to $4,999	66,104	6,085	13,911	3,404	4,195	4,616
$5,000 to $24,999	45,949	2,970	9,164	2,009	2,097	2,177
$25,000 to $49,999	9,730	338	1,903	546	546	499
$50,000 or more	11,261	251	1,174	511	615	640
Customwork and custom hauling ..... farms	362,475	12,819	54,839	18,080	27,084	27,664
$1,000	4,091,038	34,030	160,948	67,533	107,179	121,108
Farms with expenses of-						
$1 to $999	119,768	8,619	33,869	9,527	12,679	11,354
$1,000 to $4,999	131,318	3,199	16,071	6,659	11,022	11,970
$5,000 to $24,999	83,762	793	4,085	1,589	2,876	3,701
$25,000 to $49,999	14,558	112	427	135	274	374
$50,000 or more	13,069	96	387	170	233	265
Cash rent for land, buildings, and grazing fees ..... farms	490,372	13,547	43,591	17,629	25,317	30,108
$1,000	13,274,530	38,864	133,237	63,376	101,759	147,459
Farms with expenses of-						
$1 to $4,999	238,363	12,060	39,059	14,969	20,410	23,454
$5,000 to $9,999	59,281	674	2,293	1,632	2,796	3,223
$10,000 to $24,999	76,679	542	1,483	745	1,718	2,817
$25,000 or more	116,049	271	756	283	393	614

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
FARM PRODUCTION EXPENSES - Con.							
Total farm production expenses - Con.							
Livestock and poultry purchased or leased (see text) ....farms	27,134	19,650	16,162	54,220	43,055	28,453	31,648
$1,000	1,322,556	1,070,660	982,437	4,563,837	7,734,620	6,698,913	8,023,952
Farms with expenses of-							
$1 to $4,999	17,377	11,824	9,298	28,150	17,235	9,326	7,383
$5,000 to $24,999	6,031	4,574	3,963	14,112	12,012	8,113	10,438
$25,000 to $99,999	1,990	1,761	1,537	6,316	6,715	4,959	6,299
$100,000 to $249,999	1,087	909	807	3,273	3,664	2,720	3,083
$250,000 or more	649	582	557	2,369	3,429	3,335	4,445
Breeding livestock purchased or leased (see text) ....farms	17,174	12,861	10,695	37,023	29,149	19,602	24,304
$1,000	162,539	119,689	113,900	435,756	612,923	446,981	936,228
Other livestock and poultry purchased or leased (see text) ....farms	13,331	9,370	7,529	24,685	20,480	13,592	13,771
$1,000	1,160,016	950,971	868,537	4,128,080	7,121,697	6,251,932	7,087,724
Feed purchased ....farms	63,234	43,391	33,893	105,932	72,231	42,404	42,363
$1,000	2,411,895	2,008,218	1,797,074	6,742,850	7,289,190	5,630,555	6,489,351
Farms with expenses of-							
$1 to $4,999	42,946	27,353	20,022	54,541	29,231	14,010	9,695
$5,000 to $24,999	14,211	10,654	8,919	31,219	24,354	15,902	16,617
$25,000 to $99,999	3,369	3,046	2,855	12,042	10,026	6,596	10,203
$100,000 to $249,999	957	881	820	3,647	4,141	2,547	2,935
$250,000 or more	1,751	1,457	1,277	4,483	4,479	3,349	2,913
Gasoline, fuels, and oils ....farms	136,232	85,925	67,223	209,125	147,765	91,825	79,771
$1,000	422,162	332,077	306,621	1,403,979	1,984,589	2,268,395	3,669,665
Farms with expenses of-							
$1 to $4,999	118,140	70,165	51,574	131,622	55,658	19,722	11,467
$5,000 to $24,999	16,323	14,232	14,189	69,472	74,044	43,351	31,217
$25,000 to $49,999	1,126	960	942	5,444	12,778	18,861	17,441
$50,000 or more	643	568	518	2,587	5,285	9,891	19,646
Utilities (see text) ....farms	68,144	47,697	39,626	134,180	107,557	71,780	64,669
$1,000	208,777	172,573	162,044	657,634	840,117	864,833	1,540,419
Farms with expenses of-							
$1 to $999	35,188	22,442	16,651	45,045	22,027	8,267	4,396
$1,000 to $4,999	25,509	18,891	16,674	62,033	54,188	34,083	24,758
$5,000 to $24,999	6,377	5,430	5,344	23,245	25,827	23,189	26,216
$25,000 to $49,999	672	605	600	2,323	3,073	3,151	4,232
$50,000 or more	398	329	357	1,534	2,442	3,090	5,067
Supplies, repairs, and maintenance ....farms	126,542	80,373	63,182	197,495	141,913	89,138	77,961
$1,000	609,832	474,858	437,846	1,912,162	2,446,448	2,494,141	3,986,542
Farms with expenses of-							
$1 to $4,999	100,468	59,085	43,567	113,848	52,105	19,950	12,507
$5,000 to $24,999	23,124	18,549	16,848	69,531	66,989	40,973	29,806
$25,000 to $49,999	1,972	1,793	1,927	9,320	14,781	17,466	16,539
$50,000 or more	978	946	840	4,796	8,038	10,749	19,109
Hired farm labor ....farms	25,686	19,493	16,768	62,817	59,720	47,850	50,613
$1,000	753,109	632,597	616,508	2,507,767	3,220,156	3,280,221	5,758,412
Farms with expenses of-							
$1 to $4,999	17,718	12,694	10,509	35,390	26,319	14,152	8,833
$5,000 to $24,999	4,416	3,756	3,604	15,332	17,099	15,406	14,177
$25,000 to $99,999	2,292	1,989	1,698	8,217	11,124	12,916	18,447
$100,000 to $249,999	743	579	539	2,128	3,026	3,141	5,670
$250,000 or more	517	475	418	1,750	2,152	2,235	3,486
Contract labor ....farms	9,677	7,091	5,772	20,320	18,336	14,429	17,398
$1,000	154,244	107,243	106,175	470,178	579,747	697,315	1,550,796
Farms with expenses of-							
$1 to $999	3,081	2,002	1,518	4,737	2,928	1,760	1,604
$1,000 to $4,999	3,879	2,903	2,318	8,034	6,783	4,918	5,058
$5,000 to $24,999	1,794	1,481	1,324	5,180	5,896	5,109	6,748
$25,000 to $49,999	388	285	235	975	1,107	1,197	1,711
$50,000 or more	535	420	377	1,394	1,622	1,445	2,277
Customwork and custom hauling ....farms	25,462	17,797	15,792	55,310	45,492	31,582	30,554
$1,000	130,805	111,675	113,722	521,060	687,378	722,230	1,313,371
Farms with expenses of-							
$1 to $999	8,698	5,468	4,325	12,240	7,103	3,421	2,465
$1,000 to $4,999	11,311	7,847	6,767	22,620	16,405	9,662	7,785
$5,000 to $24,999	4,711	3,861	4,124	16,948	16,532	12,647	11,895
$25,000 to $49,999	430	350	330	2,048	3,076	3,131	3,871
$50,000 or more	312	271	246	1,454	2,376	2,721	4,538
Cash rent for land, buildings, and grazing fees ....farms	27,435	22,888	20,443	83,595	84,676	62,680	58,463
$1,000	163,529	149,964	184,348	1,061,765	2,320,145	3,297,928	5,612,157
Farms with expenses of-							
$1 to $4,999	19,459	15,520	12,842	41,254	23,652	9,588	6,096
$5,000 to $9,999	3,437	3,105	2,917	13,273	12,801	7,626	5,504
$10,000 to $24,999	3,656	3,232	3,226	16,481	18,379	12,962	11,438
$25,000 or more	883	1,031	1,458	12,587	29,844	32,504	35,425

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	5,565	15,142	4,543	5,998	6,055
$1,000	1,385,219	21,875	60,029	17,964	21,944	27,802
Farms with expenses of-						
$1 to $999	39,280	3,447	9,162	2,599	3,395	3,081
$1,000 to $4,999	31,997	1,385	3,978	1,286	1,744	1,960
$5,000 to $24,999	26,656	619	1,620	551	720	857
$25,000 to $49,999	5,778	50	214	57	79	95
$50,000 or more	5,488	64	168	50	60	62
Interest expense ..... farms	667,454	39,688	130,554	35,794	48,587	46,315
$1,000	10,880,731	280,741	999,732	296,511	403,745	423,551
Farms with expenses of-						
$1 to $4,999	289,876	23,721	75,006	20,216	27,111	25,107
$5,000 to $24,999	275,988	13,994	48,805	13,459	18,693	18,224
$25,000 to $99,999	87,574	1,899	6,296	1,949	2,546	2,712
$100,000 or more	14,016	74	447	170	237	272
Secured by real estate ..... farms	519,095	32,310	109,469	29,178	39,015	36,145
$1,000	7,185,334	217,975	789,379	231,767	308,168	318,698
Farms with expenses of-						
$1 to $999	58,501	7,845	18,456	4,084	5,192	4,581
$1,000 to $4,999	171,356	11,293	43,934	12,110	16,194	14,368
$5,000 to $24,999	225,304	11,703	42,020	11,384	15,616	15,031
$25,000 to $49,999	39,515	1,204	3,765	1,105	1,379	1,483
$50,000 or more	24,419	265	1,294	495	634	682
Not secured by real estate ..... farms	413,327	21,930	67,535	19,308	27,211	27,236
$1,000	3,695,397	62,766	210,353	64,744	95,577	104,853
Farms with expenses of-						
$1 to $999	122,808	11,653	34,620	9,025	12,093	10,973
$1,000 to $4,999	153,159	7,508	24,563	7,689	11,219	11,982
$5,000 to $24,999	106,610	2,469	7,358	2,289	3,508	3,827
$25,000 to $49,999	18,841	189	594	180	227	283
$50,000 or more	11,909	111	400	125	164	171
Property taxes paid ..... farms	1,995,808	197,302	563,685	139,249	174,766	158,887
$1,000	6,223,048	323,287	954,575	259,769	334,402	344,738
Farms with expenses of-						
$1 to $4,999	1,717,819	185,317	530,318	129,738	162,725	145,704
$5,000 to $9,999	172,489	9,108	25,302	7,087	8,844	9,468
$10,000 to $24,999	80,800	2,525	6,910	1,990	2,650	3,077
$25,000 or more	24,700	352	1,155	434	547	638
All other production expenses (see text) ..... farms	1,115,703	88,748	233,789	61,905	82,360	79,832
$1,000	17,119,339	493,105	1,626,438	518,874	660,152	756,578
Farms with expenses of-						
$1 to $4,999	765,840	75,016	197,603	52,173	70,070	66,292
$5,000 to $24,999	234,512	10,408	24,868	6,323	8,163	9,324
$25,000 to $49,999	55,174	1,599	4,772	1,335	1,676	1,713
$50,000 to $99,999	32,742	1,017	3,603	1,055	1,259	1,221
$100,000 or more	27,435	708	2,943	1,019	1,192	1,282
Production expenses paid by landlords [1] ..... farms	67,427	499	2,005	898	1,595	2,003
$1,000	1,556,963	2,540	7,649	3,247	7,678	11,027
Depreciation expenses claimed (see text) ..... farms	963,340	60,789	191,667	55,971	74,593	72,823
$1,000	20,185,540	436,149	1,561,596	514,978	722,604	770,050
NET CASH FARM INCOME (SEE TEXT)						
Net cash farm income of operations (see text) ..... farms	2,204,792	232,849	620,283	153,862	192,043	175,146
$1,000	74,581,098	668,379	2,296,782	1,328,995	1,873,363	2,068,787
Average per farm ..... dollars	33,827	2,870	3,703	8,638	9,755	11,812
Farms with net gains [2] ..... number	1,037,041	67,711	193,705	61,215	86,519	82,364
Average net gain ..... dollars	89,479	31,411	32,674	37,018	34,592	38,637
Gain of-						
Less than $1,000	102,871	13,910	40,557	9,919	11,668	8,481
$1,000 to $4,999	221,477	21,745	66,185	20,812	28,240	23,542
$5,000 to $9,999	128,828	9,750	27,145	9,941	14,667	14,416
$10,000 to $24,999	170,636	10,586	26,484	9,704	15,994	16,937
$25,000 to $49,999	119,233	4,869	13,424	4,202	7,036	8,969
$50,000 or more	293,996	6,851	19,910	6,637	8,914	10,019
Farms with net losses ..... number	1,167,751	165,138	426,578	92,647	105,524	92,782
Average net loss ..... dollars	15,596	8,832	9,453	10,115	10,609	12,001
Loss of-						
Less than $1,000	134,307	21,289	56,485	12,280	13,057	10,698
$1,000 to $4,999	426,570	69,679	174,790	36,616	40,682	33,940
$5,000 to $9,999	247,156	36,697	92,745	20,097	23,459	20,315
$10,000 to $24,999	225,863	27,095	73,692	16,897	20,240	18,998
$25,000 to $49,999	76,927	7,235	19,883	4,486	5,417	5,932
$50,000 or more	56,928	3,143	8,983	2,271	2,669	2,899

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
FARM PRODUCTION EXPENSES - Con.							
Total farm production expenses - Con.							
Rent and lease expenses for machinery, equipment, and farm share of vehicles ....farms	5,680	4,145	3,614	14,594	15,391	13,525	14,947
$1,000	30,171	19,573	23,860	113,138	186,115	265,013	597,736
Farms with expenses of-							
$1 to $999	2,719	1,824	1,489	4,842	3,402	1,875	1,445
$1,000 to $4,999	1,859	1,432	1,282	5,058	5,031	3,768	3,214
$5,000 to $24,999	934	759	710	3,824	5,159	5,224	5,679
$25,000 to $49,999	81	72	77	517	1,096	1,437	2,003
$50,000 or more	87	58	56	353	703	1,221	2,606
Interest expense ....farms	40,671	28,492	24,346	88,138	78,212	55,974	50,683
$1,000	384,848	301,388	277,868	1,266,900	1,649,463	1,784,796	2,811,189
Farms with expenses of-							
$1 to $4,999	21,157	14,073	11,056	34,968	21,150	9,749	6,562
$5,000 to $24,999	16,771	11,952	11,040	41,692	38,913	24,869	17,576
$25,000 to $99,999	2,497	2,258	2,042	10,377	16,429	18,573	19,996
$100,000 or more	246	209	208	1,101	1,720	2,783	6,549
Secured by real estate ....farms	31,001	21,522	18,359	65,325	57,475	41,789	37,507
$1,000	280,597	218,933	196,441	866,864	1,048,179	1,064,851	1,643,482
Farms with expenses of-							
$1 to $999	3,489	2,268	1,723	5,224	2,984	1,556	1,099
$1,000 to $4,999	12,292	7,940	6,383	20,657	13,778	7,487	4,920
$5,000 to $24,999	13,307	9,586	8,693	31,875	29,760	20,579	15,750
$25,000 to $49,999	1,342	1,190	1,101	5,018	7,276	7,259	7,393
$50,000 or more	571	538	459	2,551	3,677	4,908	8,345
Not secured by real estate ....farms	24,904	17,896	15,691	58,815	54,886	40,651	37,264
$1,000	104,251	82,455	81,427	400,036	601,284	719,945	1,167,707
Farms with expenses of-							
$1 to $999	8,798	5,901	4,341	13,066	7,150	3,067	2,121
$1,000 to $4,999	11,442	8,403	7,572	26,402	19,499	9,955	6,925
$5,000 to $24,999	4,204	3,200	3,371	17,155	23,757	19,791	15,681
$25,000 to $49,999	297	256	262	1,496	3,155	5,339	6,563
$50,000 or more	163	136	145	696	1,325	2,499	5,974
Property taxes paid ....farms	126,620	79,812	62,746	195,311	137,628	85,554	74,248
$1,000	294,803	213,916	187,561	710,109	755,782	705,015	1,139,091
Farms with expenses of-							
$1 to $4,999	114,747	70,369	54,046	156,634	92,685	46,107	29,429
$5,000 to $9,999	8,642	6,726	6,261	27,317	26,752	19,612	17,370
$10,000 to $24,999	2,614	2,230	1,988	9,272	15,155	14,946	17,443
$25,000 or more	617	487	451	2,088	3,036	4,889	10,006
All other production expenses (see text) ....farms	66,658	47,688	39,901	141,395	118,603	81,027	73,797
$1,000	596,912	510,082	482,539	2,024,043	2,611,281	2,714,296	4,125,040
Farms with expenses of-							
$1 to $4,999	53,802	36,483	28,990	88,540	54,089	25,819	16,963
$5,000 to $24,999	9,448	8,222	8,169	40,723	46,926	33,660	28,278
$25,000 to $49,999	1,420	1,294	1,231	5,991	9,723	12,121	12,299
$50,000 to $99,999	994	851	744	3,158	4,380	5,586	8,874
$100,000 or more	994	838	767	2,983	3,485	3,841	7,383
Production expenses paid by landlords [1] ....farms	2,280	1,885	1,890	10,194	15,953	15,534	12,691
$1,000	14,240	13,130	15,874	118,225	297,405	469,461	596,487
Depreciation expenses claimed (see text) ....farms	61,508	43,425	36,147	124,786	104,049	72,004	65,578
$1,000	700,592	577,110	549,426	2,381,159	3,243,861	3,503,174	5,224,842
NET CASH FARM INCOME (SEE TEXT)							
Net cash farm income of operations (see text) ....farms	139,479	87,502	68,313	212,553	149,713	92,656	80,393
$1,000	2,090,594	1,820,546	1,941,653	9,174,528	13,196,558	14,925,839	23,195,074
Average per farm ....dollars	14,989	20,806	28,423	43,163	88,146	161,089	288,521
Farms with net gains [2] ....number	74,086	48,329	40,582	139,284	108,973	72,243	62,030
Average net gain ....dollars	40,206	50,852	60,786	78,568	137,521	227,863	412,734
Gain of-							
Less than $1,000	6,019	3,144	2,028	4,697	1,626	557	265
$1,000 to $4,999	18,775	9,470	6,725	16,482	6,147	2,139	1,215
$5,000 to $9,999	12,466	7,477	5,917	16,439	6,935	2,272	1,403
$10,000 to $24,999	15,935	11,039	9,155	28,041	15,951	6,730	4,080
$25,000 to $49,999	10,420	7,770	7,086	24,474	16,493	8,727	5,763
$50,000 or more	10,471	9,429	9,671	49,151	61,821	51,818	49,304
Farms with net losses ....number	65,393	39,173	27,731	73,269	40,740	20,413	18,363
Average net loss ....dollars	13,581	16,264	18,938	24,140	43,926	75,230	131,069
Loss of-							
Less than $1,000	7,044	3,630	2,281	4,902	1,723	580	338
$1,000 to $4,999	22,243	12,211	8,079	18,019	6,699	2,273	1,339
$5,000 to $9,999	14,568	8,478	5,962	14,690	6,443	2,316	1,386
$10,000 to $24,999	14,449	9,493	7,041	19,378	10,767	4,622	3,191
$25,000 to $49,999	4,529	3,333	2,722	9,190	7,021	3,879	3,300
$50,000 or more	2,560	2,028	1,646	7,090	8,087	6,743	8,809

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
NET CASH FARM INCOME (SEE TEXT) - Con.						
Net cash farm income of operators (see text) ..... farms	2,204,792	232,849	620,283	153,862	192,043	175,146
$1,000	64,197,836	408,251	1,091,037	893,889	1,357,850	1,551,231
Average per farm ..... dollars	29,117	1,753	1,759	5,810	7,071	8,857
Operators reporting net gains [2] ..... farms	1,025,783	67,421	192,480	60,729	85,918	81,744
Average net gain ..... dollars	81,061	27,706	26,805	30,435	29,002	32,820
Gain of-						
Less than $1,000	103,330	13,934	40,621	9,962	11,699	8,526
$1,000 to $4,999	222,713	21,815	66,300	20,814	28,370	23,642
$5,000 to $9,999	129,906	9,799	27,167	9,977	14,730	14,482
$10,000 to $24,999	173,780	10,742	27,170	9,792	16,146	17,036
$25,000 to $49,999	122,964	5,122	14,393	4,453	7,195	9,075
$50,000 or more	273,090	6,009	16,829	5,731	7,778	8,983
Operators reporting net losses ..... farms	1,179,009	165,428	427,803	93,133	106,125	93,402
Average net loss ..... dollars	16,075	8,824	9,510	10,248	10,685	12,115
Loss of-						
Less than $1,000	135,011	21,356	56,659	12,328	13,121	10,753
$1,000 to $4,999	428,133	69,746	174,973	36,729	40,837	34,073
$5,000 to $9,999	248,731	36,742	93,035	20,194	23,561	20,464
$10,000 to $24,999	228,206	27,172	73,935	16,974	20,385	19,122
$25,000 to $49,999	78,919	7,260	20,075	4,546	5,489	6,018
$50,000 or more	60,009	3,152	9,126	2,362	2,732	2,972
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)						
Total ..... farms	50,572	359	1,554	622	1,209	1,448
$1,000	4,445,758	5,174	7,059	2,357	6,586	11,142
INCOME FROM FARM-RELATED SOURCES						
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	693,187	32,615	121,434	39,372	52,367	52,558
$1,000	10,489,874	350,485	1,241,860	376,427	481,922	494,467
Customwork and other agricultural services ..... farms	121,874	3,795	13,045	4,382	6,143	6,702
$1,000	1,875,665	29,536	98,627	38,274	58,733	60,775
Gross cash rent or share payments ..... farms	241,923	14,514	57,349	18,783	22,641	21,247
$1,000	2,883,897	104,797	466,559	156,564	185,083	188,247
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	47,603	1,349	7,890	3,272	4,648	5,197
$1,000	594,944	2,616	29,236	19,800	34,796	46,488
Agri-tourism and recreational services (see text) ..... farms	23,350	1,030	3,212	925	1,280	1,314
$1,000	566,834	17,434	71,776	26,878	31,537	30,957
Patronage dividends and refunds from cooperatives ..... farms	288,196	4,990	22,844	9,135	15,577	17,471
$1,000	854,995	6,993	43,589	13,861	24,449	22,515
Crop and livestock insurance payments received (see text) ..... farms	82,001	636	2,873	1,191	2,229	2,568
$1,000	1,676,727	4,215	23,798	10,324	15,049	21,252
Amount from state and local government agricultural program payments (see text) ..... farms	34,410	932	4,238	1,822	2,589	2,917
$1,000	145,413	1,820	7,881	3,835	5,303	7,657
Other farm-related income sources (see text) ..... farms	118,939	9,338	28,950	7,952	9,569	9,487
$1,000	1,891,400	183,075	500,394	106,891	126,972	116,578
LAND USE						
Total cropland ..... farms	1,685,339	124,326	418,196	118,679	155,401	142,060
acres	406,424,909	461,101	7,404,961	4,139,041	7,519,795	9,446,800
Harvested cropland ..... farms	1,328,004	91,191	298,858	88,505	117,021	109,554
acres	309,607,601	291,828	4,296,973	2,451,606	4,500,846	5,775,871
Farms by acres harvested:						
1 to 49 acres	700,266	91,191	298,858	72,603	78,121	58,623
50 to 99 acres	179,055	-	-	15,902	38,900	32,798
100 to 199 acres	141,875	-	-	-	-	18,133
200 to 499 acres	143,776	-	-	-	-	-
500 to 999 acres	82,211	-	-	-	-	-
1,000 to 1,999 acres	53,728	-	-	-	-	-
2,000 acres or more	27,093	-	-	-	-	-
Cropland-						
For pasture or grazing only ..... farms	404,753	35,644	105,858	27,863	35,335	36,074
acres	35,771,154	124,477	1,422,640	715,805	1,196,881	1,785,322
On which all crops failed or were abandoned ..... farms	89,587	2,435	17,997	5,657	7,530	7,078
acres	7,405,898	6,146	177,812	87,086	148,381	165,168
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	360,225	10,250	86,889	28,572	39,742	33,006
acres	37,968,749	36,622	1,450,383	844,866	1,598,040	1,632,146
In cultivated summer fallow ..... farms	67,960	942	6,934	2,796	4,016	3,945
acres	15,671,507	2,028	57,153	39,678	75,647	88,293

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
NET CASH FARM INCOME (SEE TEXT) - Con.							
Net cash farm income of operators (see text) ....farms	139,479	87,502	68,313	212,553	149,713	92,656	80,393
$1,000	1,728,285	1,460,534	1,677,990	8,096,178	11,812,635	13,230,759	20,889,197
Average per farm ....dollars	12,391	16,691	24,563	38,090	78,902	142,794	259,838
Operators reporting net gains [2] ....farms	73,500	47,785	40,173	137,558	107,131	70,650	60,694
Average net gain ....dollars	35,871	44,373	55,308	72,323	128,439	210,822	387,496
Gain of-							
Less than $1,000	6,052	3,148	2,052	4,770	1,672	600	294
$1,000 to $4,999	18,881	9,538	6,771	16,724	6,321	2,279	1,258
$5,000 to $9,999	12,549	7,537	5,982	16,624	7,203	2,398	1,458
$10,000 to $24,999	16,012	11,168	9,315	28,656	16,529	6,964	4,250
$25,000 to $49,999	10,394	7,716	7,117	24,982	17,308	9,229	5,980
$50,000 or more	9,612	8,678	8,936	45,802	58,098	49,180	47,454
Operators reporting net losses ....farms	65,979	39,717	28,140	74,995	42,582	22,006	19,699
Average net loss ....dollars	13,765	16,613	19,328	24,701	45,727	75,607	133,483
Loss of-							
Less than $1,000	7,109	3,669	2,300	4,968	1,771	614	363
$1,000 to $4,999	22,354	12,288	8,164	18,315	6,847	2,389	1,418
$5,000 to $9,999	14,662	8,612	5,996	14,980	6,638	2,406	1,441
$10,000 to $24,999	14,635	9,630	7,178	19,848	11,154	4,851	3,322
$25,000 to $49,999	4,590	3,405	2,797	9,499	7,487	4,222	3,531
$50,000 or more	2,629	2,113	1,705	7,385	8,685	7,524	9,624
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)							
Total ....farms	1,833	1,484	1,602	8,232	12,228	11,731	8,270
$1,000	23,745	22,658	33,025	266,167	779,969	1,368,996	1,918,881
INCOME FROM FARM-RELATED SOURCES							
Total income from farm-related sources, gross before taxes and expenses (see text) ....farms	46,679	32,219	27,573	97,440	82,242	57,486	51,202
$1,000	445,393	331,573	299,323	1,209,754	1,391,977	1,473,921	2,392,772
Customwork and other agricultural services ....farms	6,181	4,818	4,349	18,507	21,117	17,753	15,082
$1,000	59,032	49,789	50,008	228,800	324,942	381,978	495,173
Gross cash rent or share payments ....farms	17,737	11,099	8,805	27,551	19,308	11,768	11,121
$1,000	188,609	126,102	103,081	373,684	326,078	235,206	429,887
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ....farms	4,096	3,023	2,464	7,375	4,464	2,237	1,588
$1,000	41,855	34,842	30,285	108,469	88,405	63,175	94,977
Agri-tourism and recreational services (see text) ....farms	1,184	909	745	3,003	2,903	2,389	4,456
$1,000	19,050	13,538	15,354	52,367	57,498	55,459	174,985
Patronage dividends and refunds from cooperatives ....farms	18,724	13,833	13,016	51,956	50,007	37,808	32,835
$1,000	28,489	21,344	25,800	102,499	152,986	180,185	232,283
Crop and livestock insurance payments received (see text) ....farms	3,070	2,415	2,546	12,779	16,540	16,778	18,376
$1,000	24,849	18,676	23,205	132,302	245,811	389,877	767,370
Amount from state and local government agricultural program payments (see text) ....farms	2,662	2,069	1,691	6,297	4,737	2,506	1,950
$1,000	7,646	7,298	5,230	25,385	30,532	22,261	20,565
Other farm-related income sources (see text) ....farms	7,171	4,934	3,940	12,944	9,924	6,975	7,755
$1,000	75,864	59,985	46,358	186,248	165,725	145,780	177,532
LAND USE							
Total cropland ....farms	116,158	74,052	58,860	186,886	135,201	85,064	70,456
acres	10,978,926	8,377,382	8,243,318	41,657,809	64,369,172	83,768,629	160,057,975
Harvested cropland ....farms	88,133	60,334	48,977	159,319	121,080	78,927	66,105
acres	6,590,706	5,588,532	5,730,418	30,444,392	51,556,447	69,844,694	122,535,288
Farms by acres harvested:							
1 to 49 acres	33,906	19,272	12,013	24,148	7,712	2,346	1,473
50 to 99 acres	24,524	15,660	11,323	26,008	9,278	2,874	1,788
100 to 199 acres	29,703	21,354	14,104	35,456	14,820	5,065	3,240
200 to 499 acres	-	4,048	11,537	73,707	35,075	11,321	8,088
500 to 999 acres	-	-	-	-	54,195	19,021	8,995
1,000 to 1,999 acres	-	-	-	-	-	38,300	15,428
2,000 acres or more	-	-	-	-	-	-	27,093
Cropland-							
For pasture or grazing only ....farms	28,190	18,707	14,284	43,731	28,120	16,302	14,645
acres	1,818,492	1,357,702	1,163,013	4,795,934	5,007,716	4,693,648	11,689,524
On which all crops failed or were abandoned ....farms	5,827	3,686	3,041	10,755	9,060	7,491	9,030
acres	193,842	134,355	123,906	630,557	908,284	1,342,405	3,487,956
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ....farms	29,542	15,846	12,479	39,432	27,796	18,594	18,077
acres	2,244,907	1,216,027	1,137,119	5,230,707	5,790,887	5,646,626	11,140,419
In cultivated summer fallow ....farms	3,822	2,320	2,067	8,194	8,579	8,926	15,419
acres	130,979	80,766	88,862	556,219	1,105,838	2,241,256	11,204,788

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
LAND USE - Con.						
Total woodland ..... farms	843,294	22,209	207,071	75,351	98,155	94,183
acres	75,098,603	60,150	2,321,327	1,764,516	3,199,743	4,329,395
Woodland pastured ..... farms	370,297	10,852	86,645	30,271	39,702	40,886
acres	28,609,690	28,892	754,510	493,389	874,168	1,253,607
Woodland not pastured ..... farms	596,123	12,557	139,784	54,144	71,278	67,539
acres	46,488,913	31,258	1,566,817	1,271,127	2,325,575	3,075,788
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ..... farms	1,132,606	84,815	301,090	78,150	98,664	95,512
acres	408,832,116	334,505	4,489,967	2,286,118	3,838,331	5,170,508
Land in house lots, ponds, roads, wasteland, etc. ..... farms	1,126,272	107,974	307,426	77,359	100,513	90,041
acres	31,740,212	224,263	1,702,287	740,686	1,225,435	1,367,019
Irrigated land ..... farms	301,028	60,926	81,444	13,514	15,180	12,908
acres	56,599,305	174,275	1,015,333	368,738	590,571	680,824
Harvested cropland ..... farms	256,105	48,032	64,160	11,451	12,941	11,103
acres	51,537,104	125,912	748,503	289,154	469,344	550,921
Pastureland and other land ..... farms	72,585	14,853	24,596	3,517	4,084	3,329
acres	5,062,201	48,363	266,830	79,584	121,227	129,903
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ..... farms	346,231	4,503	59,814	22,973	35,039	30,096
acres	38,547,450	23,384	1,105,346	732,963	1,497,391	1,587,611
Land enrolled in crop insurance programs (see text) ..... farms	349,408	5,596	24,061	8,843	15,945	17,038
acres	222,267,817	21,438	481,488	348,212	888,739	1,319,420
ORGANIC AGRICULTURE						
Land used for organic production (see text) ..... farms	20,437	4,410	6,125	1,239	1,444	1,335
acres	2,577,418	12,492	67,814	31,980	53,477	74,040
Total organic product sales (see text) ..... farms	18,211	3,998	5,419	1,057	1,255	1,179
$1,000	1,709,111	46,673	149,887	65,645	61,898	78,802
VALUE OF LAND AND BUILDINGS						
Estimated market value of land and buildings ..... farms	2,204,792	232,849	620,283	153,862	192,043	175,146
$1,000	1,744,295,252	44,027,341	154,327,190	49,269,298	68,028,474	75,018,357
Average per farm ..... dollars	791,138	189,081	248,801	320,217	354,236	428,319
Average per acre ..... dollars	1,892	40,765	9,695	5,517	4,310	3,693
Farms by value group:						
$1 to $49,999	223,182	82,369	103,884	10,335	10,357	6,116
$50,000 to $99,999	212,783	31,446	103,798	21,770	22,214	11,824
$100,000 to $199,999	374,783	42,390	150,205	40,384	45,839	35,824
$200,000 to $499,999	631,939	51,722	182,247	52,880	74,673	73,614
$500,000 to $999,999	371,783	21,102	63,029	22,209	29,231	33,854
$1,000,000 to $1,999,999	206,282	3,231	13,836	4,854	7,884	11,462
$2,000,000 to $4,999,999	132,549	561	2,878	1,221	1,511	2,088
$5,000,000 to $9,999,999	36,072	22	367	169	277	236
$10,000,000 or more	15,419	6	39	40	57	128
VALUE OF MACHINERY AND EQUIPMENT						
Estimated market value of all machinery and equipment ..... farms	2,204,513	232,777	620,210	153,842	192,026	175,130
$1,000	194,783,471	7,091,096	22,022,724	6,665,176	9,143,364	9,365,163
Farms by value group:						
$1 to $4,999	195,820	45,910	78,089	13,518	15,121	13,506
$5,000 to $9,999	217,460	38,632	87,671	17,743	20,319	16,060
$10,000 to $19,999	351,088	50,353	134,159	30,288	35,670	29,227
$20,000 to $49,999	598,289	61,462	196,201	51,744	64,542	56,481
$50,000 to $99,999	366,768	23,348	81,899	25,987	35,184	35,655
$100,000 to $199,999	232,001	8,516	28,920	10,052	14,403	16,577
$200,000 to $499,999	175,152	4,226	12,054	4,016	5,999	6,662
$500,000 or more	67,935	330	1,217	494	788	962
SELECTED MACHINERY AND EQUIPMENT						
Trucks, including pickups (see text) ..... farms	1,783,324	172,365	476,765	119,838	151,172	138,380
number	3,512,538	232,050	670,907	180,459	234,467	225,755
Tractors ..... farms	1,844,647	139,528	504,813	133,181	167,309	154,530
number	4,389,812	193,190	799,006	246,704	332,025	335,884
Less than 40 horsepower (PTO) ..... farms	910,937	94,830	292,270	68,983	82,452	73,824
number	1,280,039	115,139	377,923	95,575	116,221	106,371
40 to 99 horsepower (PTO) ..... farms	1,238,101	56,654	289,164	91,972	121,091	116,822
number	1,998,508	66,942	365,383	128,512	176,974	182,655
100 horsepower (PTO) or more ..... farms	555,941	9,381	45,592	17,964	30,254	34,788
number	1,111,265	11,109	55,700	22,617	38,830	46,858
Grain and bean combines, self-propelled ..... farms	295,490	1,550	12,907	6,610	12,497	14,079
number	346,935	1,693	13,883	7,131	13,620	15,403

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
LAND USE - Con.							
Total woodland ....farms	67,591	46,710	35,123	99,120	55,762	26,434	15,585
acres	4,077,964	3,458,424	3,031,011	11,728,309	10,967,951	8,481,332	21,678,481
Woodland pastured ....farms	30,486	21,479	16,414	47,634	26,532	11,867	7,529
acres	1,225,888	1,016,364	911,621	3,677,180	3,679,753	3,008,049	11,686,269
Woodland not pastured ....farms	48,416	33,875	25,539	71,913	40,865	19,566	10,647
acres	2,852,076	2,442,060	2,119,390	8,051,129	7,288,198	5,473,283	9,992,212
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ....farms	75,416	49,784	39,397	121,300	82,518	50,550	55,410
acres	5,526,958	4,418,558	4,054,219	18,655,128	24,610,917	31,192,869	304,254,038
Land in house lots, ponds, roads, wasteland, etc. ....farms	71,918	46,572	37,177	115,275	80,417	49,561	42,039
acres	1,370,242	1,029,206	929,906	3,850,831	4,192,421	4,152,447	10,955,469
Irrigated land ....farms	11,013	7,042	5,954	22,281	24,072	21,330	25,364
acres	834,371	635,717	681,808	3,816,440	7,842,051	12,144,224	27,814,953
Harvested cropland ....farms	9,564	6,176	5,346	20,465	22,604	20,328	23,935
acres	699,928	529,753	586,546	3,411,085	7,299,078	11,491,302	25,335,578
Pastureland and other land ....farms	2,765	1,793	1,443	4,629	4,088	3,096	4,392
acres	134,443	105,964	95,262	405,355	542,973	652,922	2,479,375
CONSERVATION PRACTICES AND CROP INSURANCE							
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ....farms	30,711	16,705	13,981	47,313	36,799	25,759	22,538
acres	2,413,996	1,315,299	1,307,265	6,046,702	6,567,157	6,098,563	9,851,773
Land enrolled in crop insurance programs (see text) ....farms	20,273	14,140	14,210	60,808	66,608	53,923	47,963
acres	2,145,650	1,797,555	2,199,014	14,824,160	33,010,294	52,253,651	112,978,196
ORGANIC AGRICULTURE							
Land used for organic production (see text) ....farms	976	708	490	1,645	969	538	558
acres	83,336	74,375	66,511	350,829	331,293	320,741	1,110,530
Total organic product sales (see text) ....farms	841	621	434	1,492	896	500	519
$1,000	77,055	55,779	66,500	271,551	271,872	192,100	371,349
VALUE OF LAND AND BUILDINGS							
Estimated market value of land and buildings ....farms	139,479	87,502	68,313	212,553	149,713	92,656	80,393
$1,000	67,043,870	52,796,772	46,965,543	199,231,807	248,481,934	267,907,421	471,197,245
Average per farm ....dollars	480,674	603,378	687,505	937,328	1,659,722	2,891,420	5,861,173
Average per acre ....dollars	3,054	3,055	2,889	2,625	2,386	2,100	948
Farms by value group:							
$1 to $49,999	5,093	1,658	1,131	1,874	315	39	11
$50,000 to $99,999	9,444	3,281	2,024	5,107	1,608	251	16
$100,000 to $199,999	24,162	9,893	6,021	14,011	4,600	1,222	232
$200,000 to $499,999	56,024	34,203	24,203	55,226	19,228	6,067	1,852
$500,000 to $999,999	32,055	26,062	22,221	66,208	36,170	13,518	6,124
$1,000,000 to $1,999,999	10,287	9,854	10,145	53,393	43,099	23,252	14,985
$2,000,000 to $4,999,999	2,045	2,224	2,267	14,961	40,623	33,764	28,406
$5,000,000 to $9,999,999	244	219	202	1,344	3,187	12,913	16,892
$10,000,000 or more	125	108	99	429	883	1,630	11,875
VALUE OF MACHINERY AND EQUIPMENT							
Estimated market value of all machinery and equipment ....farms	139,459	87,500	68,308	212,527	149,700	92,651	80,383
$1,000	8,467,752	6,332,000	5,741,409	23,771,118	28,559,440	29,172,335	38,451,892
Farms by value group:							
$1 to $4,999	9,813	4,502	3,126	7,297	3,094	1,079	765
$5,000 to $9,999	11,720	5,998	3,954	9,147	3,947	1,339	930
$10,000 to $19,999	21,255	11,133	7,653	18,609	7,904	2,904	1,933
$20,000 to $49,999	42,960	25,285	18,616	46,436	20,326	8,279	5,957
$50,000 to $99,999	30,167	21,115	16,586	50,499	26,590	11,108	8,630
$100,000 to $199,999	15,756	12,825	11,761	46,365	36,046	17,357	13,423
$200,000 to $499,999	6,828	5,701	5,628	28,551	40,371	31,976	23,140
$500,000 or more	960	941	984	5,623	11,422	18,609	25,605
SELECTED MACHINERY AND EQUIPMENT							
Trucks, including pickups (see text) ....farms	111,855	72,311	57,812	184,170	135,838	86,608	76,210
number	191,894	131,681	110,705	404,811	389,997	331,297	408,515
Tractors ....farms	122,098	78,490	61,733	192,290	135,600	83,960	71,115
number	286,460	203,753	170,680	599,744	507,341	365,283	349,742
Less than 40 horsepower (PTO) ....farms	55,406	35,345	26,777	78,691	50,392	28,470	23,497
number	80,896	53,106	40,696	122,678	82,184	48,387	40,863
40 to 99 horsepower (PTO) ....farms	92,482	61,935	48,943	151,761	102,292	58,179	46,806
number	152,660	109,908	89,741	294,142	207,111	120,923	103,557
100 horsepower (PTO) or more ....farms	37,493	27,165	25,566	101,855	96,784	69,335	59,764
number	52,904	40,739	40,243	182,924	218,046	195,973	205,322
Grain and bean combines, self-propelled ....farms	15,919	12,097	11,860	52,136	63,832	51,335	40,668
number	17,501	13,320	13,124	57,741	72,390	61,524	59,605

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
SELECTED MACHINERY AND EQUIPMENT - Con.						
Cotton pickers and strippers, self-propelled ... farms	12,500	22	187	122	159	209
number	18,162	28	215	146	184	242
Forage harvesters, self-propelled ... farms	60,133	1,196	7,442	2,464	3,673	3,942
number	64,191	1,206	7,514	2,485	3,708	4,024
Hay balers ... farms	593,543	12,701	105,056	41,222	58,062	58,988
number	727,501	14,074	119,340	48,947	70,090	72,461
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners ... farms	1,022,036	68,268	205,699	60,312	80,726	79,146
acres treated	265,995,497	225,146	3,020,113	1,770,333	3,324,555	4,463,147
Manure ... farms	307,073	17,849	62,441	17,924	24,577	24,615
acres treated	22,096,315	55,332	701,737	372,462	666,067	859,544
Acres treated with chemicals to control-						
Insects ... farms	354,357	26,437	65,872	16,401	21,155	20,619
acres	90,947,822	74,260	917,088	464,221	826,252	1,092,398
Weeds, grass, or brush ... farms	703,884	39,910	126,332	36,172	51,035	50,219
acres	226,295,783	129,719	1,787,890	1,041,345	2,074,769	2,795,504
Nematodes ... farms	34,992	2,412	5,795	1,505	1,953	2,026
acres	7,560,158	7,404	81,515	39,485	78,215	110,089
Diseases in crops and orchards ... farms	97,333	11,350	22,594	5,115	5,572	4,911
acres	22,693,212	29,416	271,821	127,318	197,795	239,321
Chemicals used to control growth, thin fruit, ripen, or defoliate ... farms	44,638	3,971	8,965	2,170	2,373	2,317
acres treated	12,125,799	10,784	113,883	51,590	79,251	96,227
TENURE						
Full owners ... farms	1,522,033	208,074	531,068	120,846	148,425	125,664
Part owners ... farms	542,192	8,985	61,087	24,825	33,527	39,104
Tenants ... farms	140,567	15,790	28,128	8,191	10,091	10,378
OWNED AND RENTED LAND						
Land owned ... farms	2,072,101	217,449	593,591	146,193	182,661	165,501
acres	646,247,118	3,084,747	22,813,902	10,926,986	17,558,985	21,406,570
Owned land in farms ... farms	2,064,225	217,059	592,155	145,671	181,952	164,768
acres	571,303,487	989,839	14,260,897	7,693,836	13,506,449	16,792,695
Land rented or leased from others ... farms	689,102	25,325	90,802	33,470	44,163	50,044
acres	355,918,954	151,622	1,899,180	1,325,238	2,394,754	3,697,937
Rented or leased land in farms ... farms	682,759	24,775	89,215	33,016	43,618	49,482
acres	350,792,353	90,180	1,657,645	1,236,525	2,276,855	3,521,027
Land rented or leased to others ... farms	314,140	22,183	81,726	25,858	30,365	28,356
acres	80,070,232	2,156,350	8,794,540	3,321,863	4,170,435	4,790,785
NUMBER OF OPERATORS						
Total operators ... number	3,337,450	359,169	933,915	226,107	281,432	257,145
Farms by number of operators:						
1 operator ...	1,273,122	123,417	346,964	92,572	117,009	107,243
2 operators ...	786,598	97,221	243,436	53,314	64,662	57,454
3 operators ...	112,285	9,442	23,477	6,281	8,087	8,214
4 operators ...	22,529	1,921	4,571	1,127	1,600	1,522
5 or more operators ...	10,258	848	1,835	568	685	713
Total women operators ... number	1,008,943	142,852	328,778	70,226	84,864	73,887
Farms by number of women operators:						
1 operator ...	894,347	124,980	294,502	63,156	76,005	66,088
2 operators ...	45,408	7,280	14,074	2,822	3,490	3,091
3 operators ...	5,439	763	1,439	310	441	403
4 operators ...	1,017	126	268	66	85	74
5 or more operators ...	546	84	114	41	36	17
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male ...	1,898,583	176,323	512,931	132,204	166,049	153,212
Female ...	306,209	56,526	107,352	21,658	25,994	21,934
Primary occupation:						
Farming ...	993,881	76,144	199,185	55,241	72,735	72,011
Other ...	1,210,911	156,705	421,098	98,621	119,308	103,135
Place of residence:						
On farm operated ...	1,693,362	192,924	499,023	117,144	142,174	128,547
Not on farm operated ...	511,430	39,925	121,260	36,718	49,869	46,599
Days worked off farm:						
None ...	777,747	58,821	167,735	46,940	61,837	60,606
Any ...	1,427,045	174,028	452,548	106,922	130,206	114,540
1 to 49 days ...	238,479	27,362	71,683	16,948	21,193	18,159
50 to 99 days ...	115,578	13,661	33,823	8,399	10,093	9,172
100 to 199 days ...	196,687	21,677	56,761	14,454	17,507	16,390
200 days or more ...	876,301	111,328	290,281	67,121	81,413	70,819
Years on present farm:						
2 years or less ...	84,883	14,978	32,114	6,339	7,219	6,036
3 or 4 years ...	138,858	24,185	54,159	10,649	12,247	9,172
5 to 9 years ...	359,545	55,408	134,460	27,579	31,193	25,534

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
SELECTED MACHINERY AND EQUIPMENT - Con.							
Cotton pickers and strippers, self-propelled ....farms	239	170	165	1,055	2,610	3,818	3,744
number	311	208	191	1,313	3,348	5,465	6,511
Forage harvesters, self-propelled ....farms	3,773	2,734	2,555	10,139	8,986	6,152	7,077
number	3,852	2,832	2,643	10,784	9,803	6,882	8,458
Hay balers ....farms	47,516	34,089	27,226	86,862	57,910	33,178	30,733
number	59,261	43,077	34,662	111,958	74,068	41,290	38,273
FERTILIZERS AND CHEMICALS							
Commercial fertilizer, lime, and soil conditioners ....farms	67,124	47,087	39,345	135,060	108,962	72,550	57,757
acres treated	5,264,863	4,532,819	4,702,582	25,612,855	44,075,083	60,441,451	108,562,550
Manure ....farms	20,276	15,447	13,077	44,712	33,420	19,284	13,451
acres treated	897,436	821,454	820,855	3,928,924	4,580,731	3,933,461	4,458,312
Acres treated with chemicals to control-							
Insects ....farms	18,498	13,545	12,005	47,641	48,513	36,367	27,304
acres	1,325,184	1,159,833	1,239,631	7,460,313	14,966,797	22,306,024	39,115,821
Weeds, grass, or brush ....farms	45,776	31,859	28,022	100,402	86,788	60,088	47,281
acres	3,630,726	3,100,576	3,397,003	19,887,915	38,190,728	54,809,852	95,449,756
Nematodes ....farms	1,862	1,415	1,224	5,122	5,335	3,786	2,557
acres	128,144	114,907	124,657	720,644	1,417,417	1,898,222	2,839,459
Diseases in crops and orchards ....farms	3,815	2,687	2,287	8,626	10,512	10,201	9,663
acres	264,571	221,511	229,591	1,279,864	2,782,005	5,033,148	12,016,851
Chemicals used to control growth, thin fruit, ripen, or defoliate ....farms	1,821	1,243	1,135	4,110	5,124	5,705	5,704
acres treated	111,770	86,121	92,993	515,039	1,333,686	2,965,768	6,668,687
TENURE							
Full owners ....farms	97,521	54,034	39,817	103,952	51,173	22,863	18,596
Part owners ....farms	32,667	27,457	23,811	92,101	84,445	60,639	53,544
Tenants ....farms	9,291	6,011	4,685	16,500	14,095	9,154	8,253
OWNED AND RENTED LAND							
Land owned ....farms	131,041	81,903	63,959	197,144	136,381	83,870	72,408
acres	22,644,839	16,476,996	14,726,790	62,245,812	70,868,362	71,764,094	311,729,035
Owned land in farms ....farms	130,188	81,491	63,628	196,053	135,618	83,502	72,140
acres	17,868,617	13,364,690	12,335,904	52,833,878	61,130,862	64,795,914	295,729,906
Land rented or leased from others ....farms	42,404	33,710	28,703	109,345	99,021	70,088	62,027
acres	4,260,483	4,016,949	4,013,071	23,561,098	43,646,725	63,561,941	203,389,956
Rented or leased land in farms ....farms	41,958	33,468	28,496	108,601	98,540	69,793	61,797
acres	4,085,473	3,918,880	3,922,550	23,058,199	43,009,599	62,799,363	201,216,057
Land rented or leased to others ....farms	22,602	14,052	10,909	33,348	21,852	12,547	10,342
acres	4,951,232	3,210,375	2,481,407	9,914,833	10,374,626	7,730,758	18,173,028
NUMBER OF OPERATORS							
Total operators ....number	204,036	129,987	101,211	320,381	229,946	148,644	145,477
Farms by number of operators:							
1 operator	86,561	53,201	41,804	127,736	88,564	51,408	36,643
2 operators	44,415	28,377	21,701	67,941	47,323	30,825	29,929
3 operators	6,662	4,640	3,845	13,281	10,703	7,891	9,762
4 operators	1,227	869	700	2,454	2,176	1,743	2,619
5 or more operators	614	415	263	1,141	947	789	1,440
Total women operators ....number	56,937	34,948	26,197	79,293	50,253	29,971	30,737
Farms by number of women operators:							
1 operator	50,620	31,009	23,212	69,639	43,935	26,103	25,098
2 operators	2,433	1,456	1,192	3,646	2,402	1,413	2,109
3 operators	356	220	156	507	307	217	320
4 operators	63	46	16	108	60	42	63
5 or more operators	26	29	13	62	48	38	38
PRINCIPAL OPERATOR CHARACTERISTICS							
Sex of operator:							
Male	122,074	78,045	61,186	192,783	139,437	87,916	76,423
Female	17,405	9,457	7,127	19,770	10,276	4,740	3,970
Primary occupation:							
Farming	61,049	42,539	35,459	125,581	108,603	76,054	69,280
Other	78,430	44,963	32,854	86,972	41,110	16,602	11,113
Place of residence:							
On farm operated	97,304	64,401	49,916	155,862	112,754	71,296	62,017
Not on farm operated	42,175	23,101	18,397	56,691	36,959	21,360	18,376
Days worked off farm:							
None	50,842	32,841	26,995	91,630	74,609	53,663	51,228
Any	88,637	54,661	41,318	120,923	75,104	38,993	29,165
1 to 49 days	14,738	8,792	6,631	20,367	15,538	9,682	7,386
50 to 99 days	6,985	4,770	3,443	10,956	7,613	3,929	2,734
100 to 199 days	12,737	8,171	6,544	19,236	12,717	6,075	4,418
200 days or more	54,177	32,928	24,700	70,364	39,236	19,307	14,627
Years on present farm:							
2 years or less	4,321	2,513	1,686	4,656	2,632	1,316	1,073
3 or 4 years	7,062	3,732	2,707	7,453	3,983	1,945	1,564
5 to 9 years	19,340	11,180	7,759	22,496	12,685	6,544	5,367

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Years on present farm - Con.						
10 years or more	1,621,506	138,278	399,550	109,295	141,384	134,404
Average years on present farm	21.6	15.6	17.3	20.1	21.3	22.8
Age group:						
Under 25 years	11,878	2,068	3,299	884	1,006	939
25 to 34 years	106,735	14,438	31,577	7,181	9,254	7,773
35 to 44 years	268,818	36,913	87,895	17,922	21,161	18,179
45 to 49 years	256,694	32,080	78,644	16,918	20,147	17,829
50 to 54 years	308,707	35,771	89,878	20,642	24,984	22,370
55 to 59 years	312,577	33,249	89,349	21,662	26,345	23,915
60 to 64 years	283,729	27,071	78,952	20,890	25,630	23,387
65 to 69 years	235,152	20,455	62,512	17,270	21,773	20,467
70 years and over	420,502	30,804	98,177	30,493	41,743	40,287
Average age	57.1	54.2	55.8	57.5	58.1	58.7
Spanish, Hispanic, or Latino origin (see text)	55,570	12,139	19,687	3,112	3,538	3,099
Race:						
American Indian or Alaska Native	34,706	13,108	8,312	1,509	1,881	1,691
Asian	11,214	3,970	3,880	627	612	493
Black or African American	30,599	3,849	11,722	3,285	3,322	2,945
Native Hawaiian or Other Pacific Islander	1,356	535	457	39	52	51
White	2,114,325	209,508	591,781	147,491	185,123	169,020
More than one race reported	12,592	1,879	4,131	911	1,053	946
Farms by number of persons living in operator's household:						
1 person	275,842	26,288	71,499	20,032	25,611	24,172
2 people	1,108,995	102,905	302,742	78,914	99,896	91,605
3 people	330,188	39,367	99,455	22,574	26,934	24,853
4 people	285,919	35,990	87,142	19,149	23,329	20,385
5 or more people	203,848	28,299	59,445	13,193	16,273	14,131
Percent of operator's total household income from farming:						
Less than 25 percent	1,583,710	205,413	550,624	130,660	156,348	135,508
25 to 49 percent	174,800	9,287	25,389	9,094	14,705	15,763
50 to 74 percent	187,421	9,282	23,116	7,194	10,818	12,017
75 to 99 percent	147,092	4,760	12,042	4,002	6,017	6,876
100 percent	111,769	4,107	9,112	2,912	4,155	4,982
Operator is a hired manager ... farms	59,759	5,394	11,843	2,983	3,426	3,550
acres	120,672,499	22,953	298,909	172,994	280,401	411,066
Farms with-						
Internet access	1,246,723	143,100	356,917	80,379	96,415	86,159
High-speed internet access	726,700	90,534	204,251	44,459	52,367	46,707
Farms by number of households sharing in net income of farm:						
1 household	1,733,827	196,876	519,455	125,271	154,105	139,030
2 households	356,707	27,606	80,665	22,834	30,057	28,615
3 households	66,438	4,205	11,084	3,361	4,521	4,519
4 households	30,004	2,437	5,756	1,553	2,169	1,931
5 households or more	17,816	1,725	3,323	843	1,191	1,051
FARMS BY TYPE OF ORGANIZATION						
Family or individual ... farms	1,906,335	210,585	563,287	138,500	172,264	155,276
acres	574,150,050	982,316	14,434,649	8,038,187	14,156,450	18,007,449
Partnership ... farms	174,247	11,553	33,023	9,401	12,425	12,499
acres	161,416,999	52,132	874,562	546,609	1,023,327	1,452,343
Registered under state law ... farms	89,739	5,132	14,533	4,071	5,590	5,363
acres	114,284,815	22,568	387,068	237,118	460,183	622,715
Corporation ... farms	96,074	8,505	17,663	4,247	4,843	4,903
acres	125,319,810	36,682	442,370	245,702	397,717	567,147
Family held ... farms	85,837	7,245	15,233	3,666	4,140	4,266
acres	114,264,200	31,333	381,991	212,165	339,970	493,488
More than 10 stockholders ... farms	2,041	121	230	77	99	91
10 or less stockholders ... farms	83,796	7,124	15,003	3,589	4,041	4,175
Other than family held ... farms	10,237	1,260	2,430	581	703	637
acres	11,055,610	5,349	60,379	33,537	57,747	73,659
More than 10 stockholders ... farms	907	68	182	35	56	39
10 or less stockholders ... farms	9,330	1,192	2,248	546	647	598
Other-cooperative, estate or trust, institutional, etc ... farms	28,136	2,206	6,310	1,714	2,511	2,468
acres	61,208,981	8,889	166,961	99,863	205,810	286,783
HIRED FARM LABOR						
Hired farm labor ... farms	482,186	32,031	82,876	23,330	30,013	30,989
workers	2,636,509	126,305	366,754	113,576	139,392	145,219
Workers by days worked:						
150 days or more ... farms	201,292	10,670	25,341	6,698	8,305	9,229
workers	911,439	37,717	98,123	30,286	35,729	39,392
Less than 150 days ... farms	384,051	26,571	69,844	19,998	25,854	26,308
workers	1,725,070	88,588	268,631	83,290	103,663	105,827

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
PRINCIPAL OPERATOR CHARACTERISTICS - Con.							
Years on present farm - Con.							
10 years or more	108,756	70,077	56,161	177,948	130,413	82,851	72,389
Average years on present farm	23.8	24.7	25.7	26.7	28.3	28.9	28.8
Age group:							
Under 25 years	658	415	335	1,090	656	358	170
25 to 34 years	6,264	3,731	2,898	9,495	6,910	4,234	2,980
35 to 44 years	13,816	8,895	6,689	21,163	15,800	10,967	9,418
45 to 49 years	13,670	8,710	6,886	22,314	17,119	11,980	10,397
50 to 54 years	16,991	11,036	8,776	27,572	22,102	15,014	13,571
55 to 59 years	18,446	12,105	9,240	29,407	21,792	14,271	12,796
60 to 64 years	18,327	11,602	9,047	27,474	19,432	11,656	10,261
65 to 69 years	16,635	10,485	8,034	24,855	16,264	8,886	7,516
70 years and over	34,672	20,523	16,408	49,183	29,638	15,290	13,284
Average age	59.3	58.9	59.1	58.7	57.6	56.4	56.7
Spanish, Hispanic, or Latino origin (see text)	2,420	1,571	1,120	3,524	2,443	1,509	1,408
Race:							
American Indian or Alaska Native	1,659	813	670	1,988	1,285	732	1,058
Asian	335	237	136	403	285	137	99
Black or African American	1,632	1,087	597	1,380	505	170	105
Native Hawaiian or Other Pacific Islander	42	22	13	68	32	19	26
White	135,118	84,894	66,547	207,708	147,004	91,293	78,838
More than one race reported	693	449	350	1,006	602	305	267
Farms by number of persons living in operator's household:							
1 person	20,404	12,143	9,754	29,095	18,375	10,098	8,371
2 people	73,764	46,251	36,113	111,498	77,644	46,976	40,687
3 people	19,118	12,256	9,244	29,766	21,498	13,497	11,626
4 people	15,421	10,075	7,630	24,243	18,784	12,561	11,210
5 or more people	10,772	6,777	5,572	17,951	13,412	9,524	8,499
Percent of operator's total household income from farming:							
Less than 25 percent	100,543	58,428	41,802	109,742	53,844	23,237	17,561
25 to 49 percent	15,201	10,160	9,043	29,816	19,162	9,905	7,275
50 to 74 percent	12,171	9,209	8,292	32,842	29,151	18,675	14,654
75 to 99 percent	6,703	5,490	5,229	22,859	27,554	22,986	22,574
100 percent	4,861	4,215	3,947	17,294	20,002	17,853	18,329
Operator is a hired manager ....farms	2,990	2,146	1,671	6,641	6,697	5,493	6,925
acres	470,388	425,343	398,853	2,407,563	4,742,736	7,691,456	103,349,837
Farms with-							
Internet access	68,216	44,660	35,504	116,807	93,043	64,923	60,600
High-speed internet access	38,148	24,450	19,703	65,935	56,131	42,149	41,866
Farms by number of households sharing in net income of farm:							
1 household	108,084	67,297	51,627	156,100	105,979	62,155	47,848
2 households	24,515	15,760	12,873	42,315	31,052	20,574	19,841
3 households	4,051	2,642	2,269	8,454	7,702	5,955	7,675
4 households	1,843	1,175	989	3,676	3,074	2,389	3,012
5 households or more	986	628	555	2,008	1,906	1,583	2,017
FARMS BY TYPE OF ORGANIZATION							
Family or individual ....farms	121,879	75,789	58,673	177,816	117,791	66,379	48,096
acres	19,181,065	14,968,583	13,961,254	63,341,308	81,547,642	90,747,322	234,783,825
Partnership ....farms	11,151	7,315	5,999	21,117	17,956	13,706	18,102
acres	1,757,852	1,445,673	1,429,990	7,605,244	12,605,256	19,204,619	113,419,392
Registered under state law ....farms	4,982	3,541	2,944	11,034	10,679	8,850	13,020
acres	784,566	700,254	702,403	3,993,936	7,558,314	12,469,566	86,346,124
Corporation ....farms	4,102	3,082	2,566	10,341	11,829	11,328	12,665
acres	646,207	609,823	611,552	3,779,499	8,492,775	15,954,054	93,536,282
Family held ....farms	3,516	2,678	2,271	9,287	10,995	10,673	11,867
acres	554,416	529,816	541,259	3,404,203	7,903,656	15,028,953	84,842,950
More than 10 stockholders ....farms	89	55	48	217	282	217	515
10 or less stockholders ....farms	3,427	2,623	2,223	9,070	10,713	10,456	11,352
Other than family held ....farms	586	404	295	1,054	834	655	798
acres	91,791	80,007	70,293	375,296	589,119	925,101	8,693,332
More than 10 stockholders ....farms	43	48	42	95	97	81	121
10 or less stockholders ....farms	543	356	253	959	737	574	677
Other-cooperative, estate or trust, institutional, etc ....farms	2,347	1,316	1,075	3,279	2,137	1,243	1,530
acres	368,966	259,491	255,658	1,166,026	1,494,788	1,689,282	55,206,464
HIRED FARM LABOR							
Hired farm labor ....farms	25,686	19,493	16,768	62,817	59,720	47,850	50,613
workers	123,749	96,487	87,458	333,947	356,579	310,924	436,119
Workers by days worked:							
150 days or more ....farms	7,879	6,676	5,991	25,543	29,285	28,385	37,290
workers	33,795	27,587	29,074	110,064	135,166	126,625	207,881
Less than 150 days ....farms	21,647	16,017	13,628	49,452	45,105	34,771	34,856
workers	89,954	68,900	58,384	223,883	221,413	184,299	228,238

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
HIRED FARM LABOR - Con.						
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	2,589	6,734	2,022	2,596	2,641
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	1,076	2,930	652	581	530
FARMS BY SIZE						
1 to 9 acres	232,849	232,849	-	-	-	-
10 to 49 acres	620,283	-	620,283	-	-	-
50 to 69 acres	153,862	-	-	153,862	-	-
70 to 99 acres	192,043	-	-	-	192,043	-
100 to 139 acres	175,146	-	-	-	-	175,146
140 to 179 acres	139,479	-	-	-	-	-
180 to 219 acres	87,502	-	-	-	-	-
220 to 259 acres	68,313	-	-	-	-	-
260 to 499 acres	212,553	-	-	-	-	-
500 to 999 acres	149,713	-	-	-	-	-
1,000 to 1,999 acres	92,656	-	-	-	-	-
2,000 acres or more	80,393	-	-	-	-	-
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)						
Oilseed and grain farming (1111)	338,237	4,667	34,446	12,987	22,263	21,826
Vegetable and melon farming (1112)	40,589	11,369	14,476	2,619	2,483	1,916
Fruit and tree nut farming (1113)	98,281	30,224	38,562	5,992	5,853	4,424
Greenhouse, nursery, and floriculture production (1114)	54,889	21,018	19,774	3,299	2,965	2,296
Other crop farming (1119)	519,893	14,282	162,913	50,201	64,277	52,731
Tobacco farming (11191)	9,626	874	1,978	747	893	1,008
Cotton farming (11192)	9,968	63	452	205	291	383
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	13,345	160,483	49,249	63,093	51,340
Beef cattle ranching and farming (112111)	656,475	46,553	169,124	50,498	64,244	60,575
Cattle feedlots (112112)	31,065	3,350	7,679	2,034	2,614	2,470
Dairy cattle and milk production (11212)	57,318	1,662	4,760	2,312	4,046	4,842
Hog and pig farming (1122)	30,546	7,410	9,144	1,533	1,817	1,494
Poultry and egg production (1123)	64,570	13,456	25,860	4,674	4,972	4,081
Sheep and goat farming (1124)	67,254	20,810	29,379	4,070	3,804	2,813
Animal aquaculture and other animal production (1125, 1129)	245,675	58,048	104,166	13,643	12,705	15,678
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited resource farms ..... farms	308,837	46,082	104,855	25,705	31,464	27,596
acres	42,419,764	197,662	2,698,225	1,492,607	2,580,290	3,195,903
Retirement farms ..... farms	456,093	39,748	131,999	37,298	48,323	45,165
acres	89,580,775	189,285	3,498,587	2,166,266	3,978,042	5,245,478
Residential/lifestyle farms ..... farms	801,844	106,855	285,574	64,656	77,781	66,612
acres	121,143,585	512,493	7,226,853	3,749,054	6,385,668	7,713,753
Farming occupation/lower sales ..... farms	258,899	26,627	63,641	15,724	20,667	21,079
acres	87,190,445	122,299	1,599,894	912,094	1,702,756	2,451,064
Farming occupation/higher sales ..... farms	100,126	1,700	4,056	1,958	2,995	3,413
acres	104,081,344	7,003	112,206	115,548	247,362	397,624
Large family farms ..... farms	86,551	1,622	3,631	1,271	1,767	2,145
acres	123,024,138	7,091	95,640	74,103	146,350	249,975
Very large family farms ..... farms	101,265	2,103	7,220	2,302	2,774	2,888
acres	211,224,012	9,674	193,720	133,403	228,747	335,496
Non-family farms ..... farms	91,177	8,112	19,307	4,948	6,272	6,248
acres	143,431,777	34,512	493,417	287,286	514,089	724,429
LIVESTOCK						
Cattle and calves inventory ..... farms	963,669	61,735	216,709	66,778	87,490	84,624
number	96,347,858	883,253	3,877,359	1,816,409	2,995,712	3,646,775
Farms with-						
1 to 9	233,078	45,135	112,670	18,986	18,738	12,849
10 to 49	415,493	14,030	96,974	42,913	58,494	54,443
50 to 99	135,117	1,326	4,153	3,653	8,102	13,501
100 to 199	91,193	713	1,406	676	1,406	2,858
200 to 499	59,234	380	895	313	422	624
500 or more	29,554	151	611	237	328	349
Cows and heifers that had calved ..... farms	818,992	40,808	168,416	56,992	75,663	74,994
number	42,101,375	370,071	1,851,680	938,536	1,497,913	1,873,808
Beef cows ..... farms	764,984	39,191	163,988	54,805	71,611	70,213
number	32,834,801	328,179	1,489,594	744,039	1,156,112	1,434,983
Farms with-						
1 to 9	246,863	31,296	110,554	24,180	25,056	18,342
10 to 49	360,845	7,158	52,049	29,720	44,903	48,238
50 to 99	84,253	486	1,050	718	1,442	3,203
100 to 199	43,575	165	212	146	156	340
200 to 499	23,635	68	104	36	44	76
500 or more	5,813	18	19	5	10	14

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
HIRED FARM LABOR - Con.							
Migrant farm labor on farms with hired labor (see text) ....farms	2,003	1,590	1,405	4,856	4,709	3,711	3,928
Migrant farm labor on farms reporting only contract labor (see text) ....farms	430	311	227	727	504	285	235
FARMS BY SIZE							
1 to 9 acres	-	-	-	-	-	-	-
10 to 49 acres	-	-	-	-	-	-	-
50 to 69 acres	-	-	-	-	-	-	-
70 to 99 acres	-	-	-	-	-	-	-
100 to 139 acres	-	-	-	-	-	-	-
140 to 179 acres	139,479	-	-	-	-	-	-
180 to 219 acres	-	87,502	-	-	-	-	-
220 to 259 acres	-	-	68,313	-	-	-	-
260 to 499 acres	-	-	-	212,553	-	-	-
500 to 999 acres	-	-	-	-	149,713	-	-
1,000 to 1,999 acres	-	-	-	-	-	92,656	-
2,000 acres or more	-	-	-	-	-	-	80,393
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)							
Oilseed and grain farming (1111)	22,875	15,159	13,985	55,289	56,678	44,392	33,670
Vegetable and melon farming (1112)	1,222	727	547	1,696	1,439	1,098	997
Fruit and tree nut farming (1113)	2,948	1,911	1,368	3,498	1,926	908	667
Greenhouse, nursery, and floriculture production (1114)	1,296	827	582	1,490	850	307	185
Other crop farming (1119)	42,942	23,037	16,865	46,005	25,051	13,042	8,547
Tobacco farming (11191)	698	581	370	1,168	752	398	159
Cotton farming (11192)	445	240	226	1,172	2,041	2,416	2,034
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	41,799	22,216	16,269	43,665	22,258	10,228	6,354
Beef cattle ranching and farming (112111)	45,644	30,949	23,471	69,475	42,299	23,479	30,164
Cattle feedlots (112112)	1,804	1,236	1,047	3,200	2,537	1,611	1,483
Dairy cattle and milk production (11212)	4,831	4,247	4,033	14,505	8,405	2,801	874
Hog and pig farming (1122)	1,070	827	683	2,446	2,363	1,334	425
Poultry and egg production (1123)	2,375	1,719	1,272	3,372	1,850	692	247
Sheep and goat farming (1124)	1,686	912	566	1,314	768	389	743
Animal aquaculture and other animal production (1125, 1129)	10,786	5,951	3,894	10,263	5,547	2,603	2,391
FARM TYPOLOGY (SEE TEXT)							
Small family farms:							
Limited resource farms ....farms	20,432	11,526	8,207	20,223	8,171	2,866	1,710
acres	3,209,617	2,273,770	1,952,948	7,049,109	5,497,090	3,858,370	8,414,173
Retirement farms ....farms	35,806	21,831	16,346	45,543	21,907	8,006	4,121
acres	5,634,550	4,308,501	3,890,179	16,036,744	14,857,446	10,746,320	19,029,377
Residential/lifestyle farms ....farms	50,204	29,666	21,760	57,869	25,752	9,544	5,571
acres	7,898,895	5,855,563	5,173,325	20,307,119	17,325,136	12,797,179	26,198,547
Farming occupation/lower sales ....farms	19,354	13,073	10,772	32,552	19,145	9,496	6,769
acres	3,051,277	2,584,135	2,563,770	11,541,864	13,092,460	12,934,125	34,634,707
Farming occupation/higher sales ....farms	3,885	3,940	4,561	26,936	24,580	11,525	10,577
acres	615,994	783,285	1,088,143	10,055,726	16,814,487	15,694,686	58,149,280
Large family farms ....farms	1,875	1,776	1,842	10,733	27,500	19,732	12,657
acres	296,471	352,389	440,272	4,084,814	20,147,021	26,571,212	70,558,800
Very large family farms ....farms	2,372	2,114	2,024	8,494	13,679	24,606	30,689
acres	374,696	418,555	482,337	3,145,111	10,072,762	35,392,415	160,437,096
Non-family farms ....farms	5,551	3,576	2,801	10,203	8,979	6,881	8,299
acres	872,590	707,372	667,480	3,671,590	6,334,059	9,600,970	119,523,983
LIVESTOCK							
Cattle and calves inventory ....farms	66,141	46,661	36,936	117,146	80,473	48,461	50,515
number	3,880,957	3,207,730	2,886,724	13,331,731	16,752,538	14,874,197	28,194,473
Farms with-							
1 to 9	7,740	4,186	2,478	5,659	2,707	1,201	729
10 to 49	38,197	24,056	16,800	40,256	18,012	7,610	3,708
50 to 99	14,642	12,323	10,866	34,162	18,637	8,739	5,013
100 to 199	4,340	4,759	5,387	26,257	21,595	12,311	9,485
200 to 499	844	988	1,086	8,919	15,427	12,822	16,514
500 or more	378	349	319	1,893	4,095	5,778	15,066
Cows and heifers that had calved ....farms	59,164	42,076	33,482	106,135	72,105	43,096	46,061
number	1,835,368	1,539,410	1,400,643	5,978,709	6,515,672	5,604,353	12,695,212
Beef cows ....farms	54,529	38,098	29,733	92,800	64,392	40,407	45,217
number	1,365,676	1,121,250	989,790	4,130,467	4,460,547	4,200,938	11,413,226
Farms with-							
1 to 9	11,352	6,438	3,913	9,136	4,098	1,613	885
10 to 49	37,766	25,820	19,832	52,510	26,073	11,186	5,590
50 to 99	4,687	5,110	5,162	23,804	19,641	11,456	7,494
100 to 199	611	599	746	6,480	11,637	10,736	11,747
200 to 499	99	120	74	806	2,782	5,027	14,399
500 or more	14	11	6	64	161	389	5,102

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
LIVESTOCK - Con.						
Cattle and calves inventory - Con.						
Cows and heifers that had calved - Con.						
Milk cows ..... farms	69,890	2,248	6,804	3,088	5,152	5,931
number	9,266,574	41,892	362,086	194,497	341,801	438,825
Farms with-						
1 to 9	14,426	1,700	4,603	1,370	1,627	1,344
10 to 49	19,912	314	1,200	1,155	2,401	3,023
50 to 99	18,986	147	429	358	810	1,104
100 to 199	8,975	45	182	55	96	213
200 to 499	4,307	30	194	59	79	101
500 or more	3,284	12	196	91	139	146
Other cattle (see text) ..... farms	788,633	42,947	158,443	51,105	69,480	69,490
number	54,246,483	513,182	2,025,679	877,873	1,497,799	1,772,967
Cattle and calves sold ..... farms	798,290	38,626	150,791	52,095	71,132	71,605
number	74,071,936	693,242	2,679,648	1,151,217	1,914,992	2,211,318
$1,000	61,209,970	470,074	1,824,688	773,729	1,376,818	1,554,893
Calves weighing less than 500 pounds ..... farms	414,324	14,861	70,837	28,078	39,041	41,098
number	13,695,252	288,776	1,026,510	411,139	589,007	785,883
Cattle, including calves weighing 500 pounds or more ..... farms	681,126	30,393	118,624	41,749	58,520	60,082
number	60,376,684	404,466	1,653,138	740,078	1,325,985	1,425,435
Cattle on feed (see text) ..... farms	76,396	4,466	11,688	3,747	5,581	5,802
number	27,595,928	124,288	504,574	206,537	521,083	434,564
Hogs and pigs inventory ..... farms	75,442	12,086	20,803	4,330	5,258	4,666
number	67,786,318	4,659,044	8,520,764	2,618,422	2,849,439	2,649,054
Farms with-						
1 to 24	45,047	9,281	16,721	3,250	3,729	3,074
25 to 49	4,292	681	1,041	260	341	331
50 to 99	3,182	426	543	170	262	231
100 to 199	2,590	201	290	90	169	215
200 to 499	4,524	330	377	111	194	221
500 or more	15,807	1,167	1,831	449	563	594
Used or to be used for breeding ..... farms	32,867	5,354	8,682	1,879	2,343	2,165
number	6,290,610	466,022	1,103,878	275,378	333,665	232,926
Other hogs and pigs ..... farms	66,441	10,035	17,689	3,677	4,484	4,130
number	61,495,708	4,193,022	7,416,886	2,343,044	2,515,774	2,416,128
Hogs and pigs sold ..... farms	74,789	11,861	19,643	4,210	5,200	4,588
number	206,807,181	14,254,081	31,647,880	9,898,141	10,340,779	9,012,030
$1,000	18,056,981	1,233,719	2,359,660	636,384	757,823	713,847
Sheep and lambs inventory ..... farms	83,134	19,858	27,424	4,912	5,447	4,656
number	5,819,162	375,293	636,617	150,755	204,987	191,269
Ewes 1 year old or older ..... farms	68,222	14,690	22,154	4,106	4,615	3,987
number	3,516,409	197,949	380,701	92,333	122,442	125,165
Sheep and lambs sold ..... farms	53,268	10,261	16,731	3,130	3,743	3,193
number	4,579,608	189,629	502,937	118,868	187,989	135,149
Horses and ponies inventory ..... farms	575,942	81,474	210,546	41,348	46,321	38,407
number	4,028,827	453,902	1,356,066	287,085	331,387	277,995
Owned ..... farms	501,528	75,897	189,014	36,055	39,620	31,803
number	3,224,964	390,190	1,094,279	225,017	259,471	210,739
Horses and ponies sold ..... farms	133,472	23,926	54,740	9,570	10,189	7,851
number	506,503	62,065	168,287	33,854	39,406	33,420
Owned ..... farms	106,050	20,199	43,619	7,619	7,992	5,919
number	400,845	50,957	130,939	26,390	30,744	25,346
Goats, all inventory ..... farms	144,466	32,685	59,196	9,992	9,975	8,092
number	3,140,529	423,732	877,434	173,528	208,903	166,048
Goats sold ..... farms	61,748	13,785	24,847	4,207	4,175	3,441
number	1,387,576	172,530	376,387	79,461	90,099	83,393
POULTRY						
Layers inventory (see text) ..... farms	145,615	29,948	57,559	10,629	11,950	9,869
number	349,772,508	11,762,827	64,394,821	17,179,800	33,238,315	30,909,642
Farms with-						
1 to 399	140,844	29,517	56,184	10,222	11,468	9,428
400 to 3,199	785	137	208	72	84	62
3,200 to 9,999	626	76	223	44	71	75
10,000 to 19,999	1,373	98	449	126	163	133
20,000 to 49,999	1,292	57	380	130	120	116
50,000 to 99,999	261	31	47	9	15	20
100,000 or more	434	32	68	26	29	35
Pullets for laying flock replacement inventory ..... farms	22,514	4,844	8,695	1,622	1,815	1,530
number	105,876,529	4,602,598	21,086,732	5,615,849	10,760,893	7,784,541
Layers sold ..... farms	24,971	5,620	9,976	1,718	2,000	1,637
number	194,955,057	8,686,522	34,380,530	10,933,594	18,475,177	19,286,485
Pullets for laying flock replacement sold (see text) ..... farms	4,169	825	1,473	283	381	314
number	161,354,686	10,178,415	37,041,141	9,871,709	17,328,334	10,881,774

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
LIVESTOCK - Con.							
Cattle and calves inventory - Con.							
Cows and heifers that had calved - Con.							
Milk cows ....farms	5,599	4,787	4,467	16,164	10,067	3,864	1,719
number	469,692	418,160	410,853	1,848,242	2,055,125	1,403,415	1,281,986
Farms with-							
1 to 9	803	495	349	949	505	280	401
10 to 49	2,706	2,065	1,571	3,878	1,163	335	101
50 to 99	1,522	1,625	1,877	7,226	3,122	613	153
100 to 199	327	382	436	2,936	3,107	948	248
200 to 499	89	104	138	688	1,550	1,015	260
500 or more	152	116	96	487	620	673	556
Other cattle (see text) ....farms	55,544	39,884	32,300	104,252	73,082	44,625	47,481
number	2,045,589	1,668,320	1,486,081	7,353,022	10,236,866	9,269,844	15,499,261
Cattle and calves sold ....farms	58,020	41,556	33,717	108,997	76,468	46,288	48,995
number	2,748,752	2,217,946	1,944,823	9,296,758	14,212,897	12,991,071	22,009,272
$1,000	2,072,026	1,623,568	1,525,900	7,585,803	12,617,786	11,552,788	18,231,898
Calves weighing less than 500 pounds ....farms	33,121	24,266	19,580	61,653	39,253	21,224	21,312
number	793,558	606,092	506,368	1,948,357	2,110,616	1,647,396	2,981,550
Cattle, including calves weighing 500 pounds or more ....farms	49,376	35,846	29,608	97,550	69,933	43,192	46,253
number	1,955,194	1,611,854	1,438,455	7,348,401	12,102,281	11,343,675	19,027,722
Cattle on feed (see text) ....farms	4,998	3,625	3,210	11,726	10,192	6,546	4,815
number	883,354	663,440	635,293	3,644,425	7,375,443	6,490,184	6,112,743
Hogs and pigs inventory ....farms	3,348	2,520	1,993	7,157	6,691	4,330	2,260
number	2,019,888	2,141,560	2,069,725	7,818,719	10,950,497	9,839,854	11,649,352
Farms with-							
1 to 24	1,982	1,351	892	2,374	1,242	621	530
25 to 49	241	155	166	484	322	156	114
50 to 99	210	127	146	458	335	187	87
100 to 199	167	152	97	502	409	207	91
200 to 499	222	198	207	858	1,073	542	191
500 or more	526	537	485	2,481	3,310	2,617	1,247
Used or to be used for breeding ....farms	1,534	1,217	930	3,284	2,718	1,655	1,106
number	156,955	160,952	237,584	584,211	717,577	699,506	1,321,956
Other hogs and pigs ....farms	2,943	2,237	1,815	6,659	6,429	4,190	2,153
number	1,862,933	1,980,608	1,832,141	7,234,508	10,232,920	9,140,348	10,327,396
Hogs and pigs sold ....farms	3,330	2,485	2,044	7,441	7,056	4,582	2,349
number	6,691,000	6,532,352	6,478,753	23,288,231	29,981,059	27,960,105	30,722,770
$1,000	574,863	525,918	581,741	2,147,037	2,904,186	2,684,574	2,937,229
Sheep and lambs inventory ....farms	3,393	2,089	1,619	5,039	3,628	2,214	2,855
number	219,048	145,694	100,131	438,983	547,526	520,210	2,288,649
Ewes 1 year old or older ....farms	2,933	1,846	1,426	4,494	3,290	2,010	2,671
number	129,841	78,613	67,422	249,531	301,972	288,300	1,482,140
Sheep and lambs sold ....farms	2,365	1,579	1,176	3,889	2,884	1,823	2,494
number	308,571	112,564	71,153	427,939	593,132	421,460	1,510,217
Horses and ponies inventory ....farms	26,253	16,867	12,185	35,903	24,163	16,458	26,017
number	190,230	124,885	88,790	272,331	192,546	136,034	317,576
Owned ....farms	21,670	13,839	10,020	28,852	19,457	13,306	21,995
number	145,926	95,556	68,599	211,567	149,513	108,916	265,191
Horses and ponies sold ....farms	5,255	3,209	2,224	5,981	3,855	2,441	4,231
number	24,393	15,358	11,431	37,047	27,141	17,835	36,266
Owned ....farms	3,995	2,442	1,657	4,449	2,930	1,872	3,357
number	18,329	12,044	8,305	29,557	21,668	15,145	31,421
Goats, all inventory ....farms	5,192	3,271	2,284	6,110	3,636	1,887	2,146
number	126,369	93,375	65,253	191,085	165,947	128,266	520,589
Goats sold ....farms	2,259	1,368	966	2,819	1,748	948	1,185
number	66,952	46,963	31,111	96,512	81,534	58,019	204,615
POULTRY							
Layers inventory (see text) ....farms	6,198	3,952	2,658	6,595	3,392	1,508	1,357
number	21,029,515	17,055,633	18,600,073	55,915,227	36,399,213	22,472,798	20,814,644
Farms with-							
1 to 399	5,911	3,723	2,486	6,104	3,153	1,409	1,239
400 to 3,199	44	24	15	70	24	13	32
3,200 to 9,999	36	29	12	26	13	5	16
10,000 to 19,999	82	62	55	125	47	14	19
20,000 to 49,999	91	78	57	136	81	25	21
50,000 to 99,999	11	14	10	56	25	13	10
100,000 or more	23	22	23	78	49	29	20
Pullets for laying flock replacement inventory ....farms	990	573	447	1,074	471	241	212
number	5,649,596	5,430,132	4,536,277	17,950,318	9,982,558	7,113,628	5,363,407
Layers sold ....farms	936	665	408	1,095	519	218	179
number	16,699,638	10,221,905	11,299,763	28,826,391	17,136,134	10,330,288	8,678,630
Pullets for laying flock replacement sold (see text) ....farms	178	123	92	273	127	63	37
number	12,509,562	5,895,559	5,263,154	24,592,682	13,327,239	10,044,289	4,420,828

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
POULTRY - Con.						
Broilers and other meat-type chickens sold ..... farms	27,091	3,147	8,367	2,266	2,710	2,485
..... number	8,914,828,122	346,371,313	2,061,562,585	796,995,617	975,085,489	847,203,152
Farms with-						
1 to 1,999	9,743	2,128	3,582	672	839	747
2,000 to 59,999	618	61	172	82	86	63
60,000 to 99,999	623	108	246	38	69	37
100,000 or more	16,107	850	4,367	1,474	1,716	1,638
Turkeys inventory (see text) ..... farms	17,226	3,679	6,716	1,092	1,282	1,019
..... number	107,173,804	4,243,943	18,605,053	4,711,574	8,152,656	7,936,219
Turkeys sold (see text) ..... farms	8,284	1,493	2,896	525	632	552
..... number	295,793,159	10,894,043	53,983,168	14,796,635	25,957,221	22,540,694
CROPS HARVESTED						
Barley for grain ..... farms	19,848	45	597	350	654	841
..... acres	3,521,957	137	6,119	4,650	11,536	16,671
..... bushels	207,089,232	8,247	385,624	302,140	776,008	1,120,779
Irrigated ..... farms	4,241	18	212	63	162	178
..... acres	741,475	61	3,013	1,571	4,788	6,002
Farms by acres harvested:						
1 to 24 acres	5,742	45	545	298	516	642
25 to 99 acres	5,405	-	52	52	138	180
100 to 249 acres	4,469	-	-	-	-	19
250 to 499 acres	2,552	-	-	-	-	-
500 acres or more	1,680	-	-	-	-	-
Corn for grain ..... farms	347,760	3,020	25,312	11,839	22,261	24,062
..... acres	86,248,542	13,103	369,854	276,092	703,183	1,001,764
..... bushels	12,738,519,330	1,588,348	43,792,419	33,430,287	91,715,156	130,049,768
Irrigated ..... farms	38,911	139	811	331	717	827
..... acres	13,156,769	411	10,558	8,921	26,461	42,109
Farms by acres harvested:						
1 to 24 acres	68,008	3,020	20,877	7,038	9,915	8,169
25 to 99 acres	101,672	-	4,435	4,801	12,346	14,193
100 to 249 acres	78,166	-	-	-	-	1,700
250 to 499 acres	50,807	-	-	-	-	-
500 acres or more	49,107	-	-	-	-	-
Corn for silage or greenchop ..... farms	84,317	173	2,749	2,408	4,795	6,165
..... acres	5,979,661	604	30,592	37,329	86,294	137,065
..... tons	104,224,795	10,163	508,409	652,340	1,467,974	2,252,855
Irrigated ..... farms	9,664	52	439	168	335	413
..... acres	1,497,288	208	7,616	5,275	12,986	19,933
Farms by acres harvested:						
1 to 24 acres	34,207	173	2,516	1,988	3,678	4,186
25 to 99 acres	34,878	-	233	420	1,117	1,885
100 to 249 acres	10,855	-	-	-	-	94
250 to 499 acres	2,859	-	-	-	-	-
500 acres or more	1,518	-	-	-	-	-
Cotton, all ..... farms	18,605	72	533	259	373	482
..... acres	10,493,238	355	10,075	9,076	18,715	30,521
..... bales	18,898,128	586	15,531	13,491	29,709	47,192
Irrigated ..... farms	8,776	27	121	45	102	152
..... acres	4,035,610	120	2,278	1,447	4,851	9,596
Farms by acres harvested:						
1 to 24 acres	961	72	384	82	72	48
25 to 99 acres	3,043	-	149	177	301	330
100 to 249 acres	3,886	-	-	-	-	104
250 to 499 acres	3,738	-	-	-	-	-
500 acres or more	6,977	-	-	-	-	-
Dry edible beans, excluding limas ..... farms	6,236	123	197	83	139	148
..... acres	1,455,549	164	1,606	1,600	3,608	5,097
..... cwt	25,353,900	1,620	30,111	32,952	78,618	92,987
Irrigated ..... farms	2,456	104	118	39	65	62
..... acres	353,503	127	781	821	1,704	2,248
Farms by acres harvested:						
1 to 24 acres	818	123	177	60	81	60
25 to 99 acres	1,709	-	20	23	58	82
100 to 249 acres	1,856	-	-	-	-	6
250 to 499 acres	1,066	-	-	-	-	-
500 acres or more	787	-	-	-	-	-
Oats for grain ..... farms	42,558	161	2,353	1,635	3,162	3,904
..... acres	1,509,149	431	17,528	15,701	33,794	51,229
..... bushels	89,508,669	26,711	984,664	844,219	1,906,906	2,974,954
Irrigated ..... farms	1,620	34	184	39	87	76
..... acres	78,214	105	2,217	688	1,843	2,104
Farms by acres harvested:						
1 to 24 acres	27,044	161	2,283	1,529	2,944	3,519
25 to 99 acres	12,167	-	70	106	218	368
100 to 249 acres	2,643	-	-	-	-	17
250 to 499 acres	552	-	-	-	-	-
500 acres or more	152	-	-	-	-	-
Peanuts for nuts ..... farms	6,182	48	240	117	191	201
..... acres	1,200,564	120	2,300	2,145	5,061	6,573
..... pounds	3,703,138,887	80,846	5,176,371	4,818,190	12,013,663	15,012,787
Irrigated ..... farms	2,381	24	50	14	25	27
..... acres	418,789	71	391	145	616	865

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
POULTRY - Con.							
Broilers and other meat-type chickens sold ....farms	1,484	1,119	858	2,470	1,401	537	247
....number	545,258,057	518,823,115	403,695,276	1,175,158,918	722,558,984	392,114,305	130,001,311
Farms with-							
1 to 1,999	411	256	155	523	263	96	71
2,000 to 59,999	32	21	16	26	22	3	34
60,000 to 99,999	37	26	10	30	13	5	4
100,000 or more	1,004	816	677	1,891	1,103	433	138
Turkeys inventory (see text) ....farms	708	492	326	923	541	237	211
....number	5,822,193	5,164,379	3,911,780	13,626,134	15,100,650	8,674,145	11,225,078
Turkeys sold (see text) ....farms	354	272	202	616	384	181	177
....number	17,457,976	14,761,929	11,817,586	38,248,660	38,409,819	19,706,510	27,218,918
CROPS HARVESTED							
Barley for grain ....farms	850	782	780	2,873	3,092	3,542	5,442
....acres	24,320	20,488	25,350	156,584	325,230	714,749	2,216,123
....bushels	1,552,259	1,393,210	1,776,863	10,976,585	22,581,538	44,886,145	121,329,834
Irrigated ....farms	180	156	163	664	833	697	915
....acres	8,516	7,329	10,058	60,766	123,117	166,825	349,429
Farms by acres harvested:							
1 to 24 acres	564	522	474	1,176	565	239	156
25 to 99 acres	234	229	250	1,241	1,310	897	822
100 to 249 acres	52	31	53	379	931	1,380	1,624
250 to 499 acres	-	-	3	77	252	771	1,449
500 acres or more	-	-	-	-	34	255	1,391
Corn for grain ....farms	24,349	18,026	16,817	65,657	63,445	44,087	28,885
....acres	1,397,464	1,223,759	1,417,193	8,841,431	17,689,772	23,461,950	29,852,977
....bushels	191,539,413	166,700,143	196,203,476	1,263,201,943	2,634,405,762	3,542,473,797	4,443,418,818
Irrigated ....farms	1,303	830	972	5,197	8,687	9,263	9,834
....acres	101,747	59,010	85,829	660,846	1,981,833	3,445,363	6,733,681
Farms by acres harvested:							
1 to 24 acres	5,530	3,327	2,344	5,090	1,825	577	296
25 to 99 acres	15,607	10,511	8,031	19,580	7,476	2,919	1,773
100 to 249 acres	3,212	4,188	6,342	34,317	18,743	6,151	3,513
250 to 499 acres	-	-	100	6,670	29,119	10,803	4,115
500 acres or more	-	-	-	-	6,282	23,637	19,188
Corn for silage or greenchop ....farms	6,179	5,276	4,975	19,673	15,612	9,276	7,036
....acres	173,992	175,192	181,128	996,019	1,312,797	1,198,555	1,650,094
....tons	2,800,620	2,753,557	2,942,028	16,261,361	22,775,153	21,608,139	30,192,196
Irrigated ....farms	419	335	350	1,491	1,818	1,622	2,222
....acres	25,578	23,837	26,941	158,661	271,165	307,799	637,289
Farms by acres harvested:							
1 to 24 acres	3,562	2,688	2,319	6,936	3,908	1,680	573
25 to 99 acres	2,423	2,288	2,358	10,178	7,198	4,063	2,715
100 to 249 acres	194	300	294	2,284	3,488	2,117	2,084
250 to 499 acres	-	-	4	275	862	946	772
500 acres or more	-	-	-	-	156	470	892
Cotton, all ....farms	613	385	377	2,036	3,827	4,906	4,742
....acres	49,396	33,609	40,632	348,421	1,233,066	3,000,041	5,719,331
....bales	80,791	51,994	68,840	604,207	2,151,780	5,301,477	10,532,530
Irrigated ....farms	238	106	153	820	1,771	2,574	2,667
....acres	19,097	7,603	14,102	125,388	460,844	1,149,608	2,240,676
Farms by acres harvested:							
1 to 24 acres	59	51	30	64	45	23	31
25 to 99 acres	346	175	169	538	446	279	133
100 to 249 acres	208	159	169	925	1,206	709	406
250 to 499 acres	-	-	9	509	1,327	1,229	664
500 acres or more	-	-	-	-	803	2,666	3,508
Dry edible beans, excluding limas ....farms	153	158	148	743	1,146	1,354	1,844
....acres	6,687	6,998	8,745	58,517	157,874	307,786	896,867
....cwt	122,438	135,251	170,284	1,153,107	2,923,383	5,190,899	15,422,250
Irrigated ....farms	76	69	64	370	528	401	560
....acres	3,140	2,739	3,706	27,835	63,935	69,020	177,447
Farms by acres harvested:							
1 to 24 acres	35	50	20	87	73	28	24
25 to 99 acres	105	97	111	430	366	252	165
100 to 249 acres	13	11	17	219	572	577	441
250 to 499 acres	-	-	-	7	130	399	530
500 acres or more	-	-	-	-	5	98	684
Oats for grain ....farms	3,514	2,741	2,563	8,775	6,237	3,952	3,561
....acres	56,071	52,884	53,175	239,318	270,337	298,343	420,338
....bushels	3,142,672	3,085,988	3,208,484	14,189,055	16,439,663	17,957,263	24,748,090
Irrigated ....farms	63	62	72	228	232	204	339
....acres	1,399	1,408	2,513	7,577	11,649	16,842	29,869
Farms by acres harvested:							
1 to 24 acres	2,970	2,126	1,884	5,355	2,639	1,103	531
25 to 99 acres	527	578	649	3,156	3,015	1,898	1,582
100 to 249 acres	17	37	29	250	510	747	1,036
250 to 499 acres	-	-	1	14	66	160	311
500 acres or more	-	-	-	-	7	44	101
Peanuts for nuts ....farms	222	210	227	907	1,440	1,340	1,039
....acres	9,726	12,803	13,133	76,957	222,284	328,818	520,644
....pounds	24,505,468	29,602,063	42,626,880	223,894,219	665,966,660	1,024,520,727	1,654,921,013
Irrigated ....farms	54	30	76	297	580	624	580
....acres	1,860	1,289	4,511	23,635	67,751	110,524	207,131

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
CROPS HARVESTED - Con.						
Peanuts for nuts - Con.						
Farms by acres harvested:						
1 to 24 acres	915	48	220	82	115	101
25 to 99 acres	1,909	-	20	35	76	94
100 to 249 acres	1,886	-	-	-	-	6
250 to 499 acres	920	-	-	-	-	-
500 acres or more	552	-	-	-	-	-
Rice ... farms	6,084	10	108	87	100	125
acres	2,758,792	49	2,754	3,976	4,921	10,028
cwt	198,538,690	3,173	200,865	282,750	349,144	660,797
Irrigated ... farms	6,084	10	108	87	100	125
acres	2,758,792	49	2,754	3,976	4,921	10,028
Farms by acres harvested:						
1 to 24 acres	132	10	49	10	18	6
25 to 99 acres	915	-	59	77	82	69
100 to 249 acres	1,459	-	-	-	-	50
250 to 499 acres	1,616	-	-	-	-	-
500 acres or more	1,962	-	-	-	-	-
Sorghum for grain ... farms	26,242	59	433	243	439	537
acres	6,769,834	256	7,784	7,133	15,581	21,063
bushels	482,452,865	14,923	383,383	411,725	927,481	1,310,202
Irrigated ... farms	4,483	16	67	18	54	55
acres	845,214	57	1,447	810	2,395	2,763
Farms by acres harvested:						
1 to 24 acres	2,609	59	308	113	174	182
25 to 99 acres	8,335	-	125	130	265	317
100 to 249 acres	7,302	-	-	-	-	38
250 to 499 acres	4,377	-	-	-	-	-
500 acres or more	3,619	-	-	-	-	-
Soybeans for beans ... farms	279,110	1,909	17,555	7,976	15,229	17,006
acres	63,915,821	9,234	300,424	223,770	544,412	768,337
bushels	2,582,423,697	353,767	10,575,202	7,957,726	20,494,546	29,062,166
Irrigated ... farms	20,333	27	241	145	321	398
acres	5,237,075	101	4,221	3,270	11,167	18,327
Farms by acres harvested:						
1 to 24 acres	38,458	1,909	13,689	3,689	4,710	3,855
25 to 99 acres	90,935	-	3,866	4,287	10,519	12,207
100 to 249 acres	70,698	-	-	-	-	944
250 to 499 acres	44,381	-	-	-	-	-
500 acres or more	34,638	-	-	-	-	-
Sugarbeets for sugar ... farms	4,022	5	52	21	52	67
acres	1,253,817	21	1,156	868	2,008	3,273
tons	31,937,325	520	31,345	22,437	51,805	83,419
Irrigated ... farms	1,595	3	20	8	20	32
acres	394,675	(D)	405	(D)	526	1,346
Sugarcane for sugar ... farms	692	15	50	11	24	14
acres	846,666	22	899	405	1,032	1,087
tons	31,127,405	535	29,034	14,258	35,494	37,169
Irrigated ... farms	219	11	11	3	6	5
acres	435,205	14	108	137	301	455
Sunflower seed, all ... farms	6,403	7	88	30	36	48
acres	2,000,153	8	469	239	1,010	1,094
pounds	2,820,962,445	4,588	309,919	140,524	912,758	1,222,682
Irrigated ... farms	608	2	16	3	5	3
acres	102,219	(D)	51	(D)	68	34
Farms by acres harvested:						
1 to 24 acres	502	7	85	27	22	35
25 to 99 acres	1,153	-	3	3	14	9
100 to 249 acres	2,110	-	-	-	-	4
250 to 499 acres	1,494	-	-	-	-	-
500 acres or more	1,144	-	-	-	-	-
Tobacco ... farms	16,234	908	2,367	1,211	1,677	1,653
acres	359,846	2,673	13,787	8,637	12,918	16,538
pounds	778,301,825	5,588,546	28,279,475	17,356,621	26,777,885	33,091,622
Irrigated ... farms	2,572	66	252	130	162	209
acres	71,578	193	1,865	1,426	1,715	3,059
Farms by acres harvested:						
0.1 to 0.9 acres	235	36	85	24	22	17
1.0 to 1.9 acres	1,493	235	442	134	168	164
2.0 to 2.9 acres	1,827	215	408	170	255	233
3.0 to 4.9 acres	2,772	242	519	275	371	329
5.0 to 9.9 acres	3,459	180	443	349	514	454
10.0 to 24.9 acres	3,129	-	397	204	259	309
25.0 acres or more	3,319	-	73	55	88	147
Wheat for grain, all ... farms	160,810	363	4,997	2,859	5,592	6,263
acres	50,932,969	1,651	75,159	62,964	156,242	209,213
bushels	1,993,648,378	74,855	3,141,566	2,737,871	6,362,308	8,810,969
Irrigated ... farms	15,213	41	310	159	280	336
acres	3,364,079	179	4,916	4,494	9,522	13,971
Farms by acres harvested:						
1 to 24 acres	26,703	363	4,068	1,855	3,121	3,125
25 to 99 acres	49,409	-	929	1,004	2,471	2,752
100 to 249 acres	34,703	-	-	-	-	386
250 to 499 acres	21,167	-	-	-	-	-
500 acres or more	28,828	-	-	-	-	-

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
CROPS HARVESTED - Con.							
Peanuts for nuts - Con.							
Farms by acres harvested:							
1 to 24 acres	70	34	68	94	50	19	14
25 to 99 acres	129	136	121	530	458	210	100
100 to 249 acres	23	40	38	252	698	573	256
250 to 499 acres	-	-	-	31	198	417	274
500 acres or more	-	-	-	-	36	121	395
Rice ....farms	168	165	159	844	1,300	1,516	1,502
acres	16,857	20,114	26,005	188,050	422,331	721,421	1,342,286
cwt	1,175,019	1,504,337	1,935,312	13,968,773	31,264,784	51,314,899	95,878,837
Irrigated ....farms	168	165	159	844	1,300	1,516	1,502
acres	16,857	20,114	26,005	188,050	422,331	721,421	1,342,286
Farms by acres harvested:							
1 to 24 acres	2	1	1	8	18	6	3
25 to 99 acres	85	72	36	159	119	99	58
100 to 249 acres	81	92	106	288	401	276	165
250 to 499 acres	-	-	16	389	472	473	266
500 acres or more	-	-	-	-	290	662	1,010
Sorghum for grain ....farms	864	548	650	3,425	5,227	6,308	7,509
acres	42,029	31,931	40,524	293,730	753,682	1,637,870	3,918,251
bushels	2,648,522	1,995,267	2,596,339	19,670,278	53,771,428	117,479,674	281,243,643
Irrigated ....farms	99	68	76	411	796	1,210	1,613
acres	4,955	4,267	5,532	34,793	104,383	233,726	450,086
Farms by acres harvested:							
1 to 24 acres	244	114	155	500	392	220	148
25 to 99 acres	531	347	381	1,918	2,019	1,439	863
100 to 249 acres	89	87	112	842	1,985	2,259	1,890
250 to 499 acres	-	-	2	165	675	1,526	2,009
500 acres or more	-	-	-	-	156	864	2,599
Soybeans for beans ....farms	18,464	14,041	13,176	54,850	56,578	40,041	22,285
acres	1,075,594	973,676	1,076,303	6,716,021	13,545,417	18,169,172	20,513,461
bushels	42,588,543	38,319,746	43,270,043	272,167,260	561,044,928	746,923,390	809,666,380
Irrigated ....farms	566	400	472	2,670	4,959	5,542	4,592
acres	33,366	22,234	32,686	243,304	799,137	1,528,626	2,540,636
Farms by acres harvested:							
1 to 24 acres	2,864	1,803	1,297	3,066	1,112	320	144
25 to 99 acres	13,864	9,298	7,216	18,729	7,604	2,431	914
100 to 249 acres	1,736	2,940	4,614	30,517	21,447	6,198	2,302
250 to 499 acres	-	-	49	2,538	24,731	13,771	3,292
500 acres or more	-	-	-	-	1,684	17,321	15,633
Sugarbeets for sugar ....farms	77	68	80	449	813	1,104	1,234
acres	4,612	4,796	5,596	42,879	131,981	314,476	742,151
tons	124,472	117,665	141,496	1,107,546	3,464,485	8,007,442	18,784,693
Irrigated ....farms	37	27	48	237	383	364	416
acres	2,270	1,667	2,936	21,906	63,001	95,846	204,414
Sugarcane for sugar ....farms	15	12	11	32	116	181	211
acres	1,101	1,083	1,930	7,517	49,727	135,164	646,699
tons	45,239	38,027	75,506	244,315	1,724,075	4,706,342	24,177,411
Irrigated ....farms	5	7	11	13	28	37	82
acres	509	594	1,930	3,019	8,443	18,802	400,893
Sunflower seed, all ....farms	82	49	60	394	781	1,662	3,166
acres	3,963	2,373	3,064	30,253	103,069	347,845	1,506,766
pounds	4,892,784	2,704,068	2,297,109	41,255,689	143,984,735	494,290,116	2,128,947,473
Irrigated ....farms	8	6	2	47	78	156	282
acres	464	216	(D)	3,137	8,295	22,018	67,897
Farms by acres harvested:							
1 to 24 acres	29	17	22	80	72	63	43
25 to 99 acres	42	26	29	195	276	308	248
100 to 249 acres	11	6	7	111	340	769	862
250 to 499 acres	-	-	2	8	85	441	958
500 acres or more	-	-	-	-	8	81	1,055
Tobacco ....farms	1,183	1,009	716	2,290	1,726	1,029	465
acres	13,456	13,845	11,496	47,413	74,380	76,416	68,288
pounds	26,281,575	26,925,555	23,160,171	100,257,059	162,220,630	172,368,025	155,994,661
Irrigated ....farms	167	154	134	447	398	296	157
acres	2,116	2,601	2,398	9,966	15,398	16,456	14,385
Farms by acres harvested:							
0.1 to 0.9 acres	13	10	7	11	5	4	1
1.0 to 1.9 acres	109	75	41	85	28	10	2
2.0 to 2.9 acres	137	110	59	173	47	15	5
3.0 to 4.9 acres	264	186	117	321	113	30	5
5.0 to 9.9 acres	292	266	189	477	215	60	20
10.0 to 24.9 acres	237	220	169	665	438	189	42
25.0 acres or more	131	142	134	558	880	721	390
Wheat for grain, all ....farms	7,955	5,332	5,295	25,260	30,977	31,271	34,646
acres	394,532	253,561	313,590	2,184,464	4,945,624	10,121,393	32,214,576
bushels	15,002,562	10,808,209	12,437,316	87,451,447	195,838,804	397,313,972	1,253,668,499
Irrigated ....farms	423	321	317	1,754	2,850	3,373	5,049
acres	23,757	17,144	20,802	156,821	391,594	698,552	2,022,327
Farms by acres harvested:							
1 to 24 acres	2,689	1,888	1,475	4,445	2,465	889	320
25 to 99 acres	4,235	2,857	2,855	12,883	11,241	5,720	2,462
100 to 249 acres	1,031	587	953	6,528	10,677	9,445	5,096
250 to 499 acres	-	-	12	1,404	5,326	8,120	6,305
500 acres or more	-	-	-	-	1,268	7,097	20,463

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
CROPS HARVESTED - Con.						
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	869,534	20,507	193,682	66,075	87,916	84,253
acres	61,455,483	87,369	2,685,322	1,545,208	2,581,742	3,175,736
tons, dry	155,393,762	215,907	5,348,515	3,071,080	5,183,222	6,512,489
Irrigated ..... farms	86,007	5,804	19,976	4,135	5,364	4,467
acres	10,264,753	24,257	273,812	108,538	189,743	198,242
Farms by acres harvested:						
1 to 24 acres	367,533	20,507	167,936	39,400	41,881	29,734
25 to 99 acres	345,273	-	25,746	26,675	46,035	50,813
100 to 249 acres	111,368	-	-	-	-	3,706
250 to 499 acres	30,370	-	-	-	-	-
500 acres or more	14,990	-	-	-	-	-
Alfalfa hay ..... farms	290,726	8,852	51,700	15,518	23,050	22,015
acres	20,244,497	36,746	619,461	308,449	562,844	663,626
tons, dry	65,349,074	96,324	1,535,002	797,659	1,472,589	1,760,492
Irrigated ..... farms	56,390	3,754	11,922	2,390	3,250	2,772
acres	6,556,652	16,037	168,208	65,867	120,298	126,729
Other tame hay ..... farms	496,740	8,519	109,600	40,990	53,912	53,822
acres	26,763,972	36,527	1,508,572	925,780	1,512,507	1,915,718
tons, dry	54,347,673	92,685	2,895,470	1,735,350	2,804,206	3,577,141
Irrigated ..... farms	24,348	1,479	6,072	1,321	1,716	1,406
acres	1,699,864	5,938	69,619	26,253	45,192	42,014
Field and grass seed crops, all ..... farms	6,038	120	581	209	338	313
acres	1,178,726	497	8,612	5,418	11,523	12,143
Irrigated ..... farms	1,457	42	128	35	60	63
acres	323,441	152	1,865	918	2,167	2,396
Land in vegetables (see text) ..... farms	69,172	15,372	21,217	4,518	4,687	3,898
acres	4,356,880	26,160	95,526	37,317	49,406	58,535
Irrigated ..... farms	29,885	7,622	8,450	1,621	1,665	1,354
acres	3,068,485	11,637	37,744	14,917	20,771	26,801
Farms by acres harvested:						
0.1 to 4.9 acres	41,453	14,120	14,989	2,788	2,798	2,076
5.0 to 24.9 acres	13,869	1,252	5,714	1,270	1,237	1,092
25.0 to 99.9 acres	6,671	-	514	460	652	602
100.0 to 249.9 acres	3,473	-	-	-	-	128
250.0 acres or more	3,706	-	-	-	-	-
Snap beans ..... farms	17,300	4,036	6,149	1,271	1,253	1,029
acres	303,997	1,362	4,534	1,754	1,959	3,071
Harvested for processing ..... farms	1,999	157	352	61	72	79
acres	198,101	53	639	310	578	899
Peas, green ..... farms	4,532	676	925	209	220	187
acres	214,057	256	1,052	820	1,003	1,916
Harvested for processing ..... farms	2,047	21	53	24	24	51
acres	206,092	12	372	488	667	1,661
Potatoes ..... farms	15,014	2,820	4,823	1,055	1,161	935
acres	1,131,963	1,326	4,671	2,181	2,765	4,835
Harvested for processing ..... farms	1,739	107	227	68	50	59
acres	599,604	96	429	416	507	1,222
Farms by acres harvested:						
0.1 to 4.9 acres	12,013	2,786	4,675	987	1,075	816
5.0 to 24.9 acres	612	34	125	46	59	69
25.0 to 99.9 acres	539	-	23	22	27	35
100.0 to 249.9 acres	714	-	-	-	-	15
250.0 acres or more	1,136	-	-	-	-	-
Sweet corn ..... farms	28,241	6,132	8,624	1,963	2,174	1,793
acres	622,946	6,409	23,229	8,990	14,262	16,292
Harvested for processing ..... farms	3,670	238	526	132	163	176
acres	361,886	130	1,165	807	2,971	4,203
Sweet potatoes ..... farms	1,910	315	574	134	145	114
acres	105,284	262	1,982	863	1,230	1,573
Harvested for processing ..... farms	259	18	38	15	9	10
acres	21,360	7	266	120	265	155
Tomatoes in the open ..... farms	25,809	6,459	9,633	1,927	1,914	1,541
acres	442,225	3,044	8,417	2,751	3,468	3,385
Harvested for processing ..... farms	1,761	306	470	83	96	79
acres	319,549	157	864	98	528	247
Land in orchards ..... farms	115,935	32,604	42,267	6,960	7,049	5,640
acres	5,039,476	84,262	468,203	158,622	213,627	226,058
Irrigated ..... farms	61,189	18,987	22,708	3,292	3,182	2,548
acres	3,981,316	49,842	307,202	107,017	143,782	159,122
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	52,775	26,778	15,766	2,314	2,216	1,713
5.0 to 24.9 acres	37,043	5,826	21,146	1,894	1,813	1,377
25.0 to 99.9 acres	17,119	-	5,355	2,752	3,020	1,468
100.0 to 249.9 acres	5,434	-	-	-	-	1,082
250.0 acres or more	3,564	-	-	-	-	-
Apples ..... farms	25,591	5,696	9,936	1,958	2,065	1,639
bearing and nonbearing acres	398,770	7,136	38,470	16,867	23,191	25,911
Grapes ..... farms	25,892	5,590	10,575	1,904	1,881	1,372
bearing and nonbearing acres	1,051,407	11,229	100,330	35,867	50,856	47,858
Peaches, all ..... farms	13,582	2,676	5,169	999	1,077	925
bearing and nonbearing acres	149,237	2,358	12,538	4,666	6,876	7,178

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
CROPS HARVESTED - Con.							
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ....farms	64,864	45,622	36,060	111,679	74,295	43,732	40,849
acres	3,060,248	2,544,110	2,329,612	9,563,725	9,537,187	8,229,216	16,116,008
tons, dry	6,598,810	5,586,106	5,292,470	23,478,551	26,257,933	23,808,111	44,040,567
Irrigated ....farms	4,112	2,694	2,313	8,895	8,762	7,340	12,145
acres	246,869	177,325	177,210	937,682	1,412,956	1,674,377	4,843,742
Farms by acres harvested:							
1 to 24 acres	17,810	10,350	6,956	17,287	9,550	4,295	1,827
25 to 99 acres	40,738	28,404	21,377	55,889	27,921	13,696	7,979
100 to 249 acres	6,316	6,868	7,617	34,157	26,581	14,468	11,655
250 to 499 acres	-	-	110	4,346	8,669	7,821	9,424
500 acres or more	-	-	-	-	1,574	3,452	9,964
Alfalfa hay ....farms	19,248	13,965	11,896	42,249	34,077	23,529	24,627
acres	716,227	589,961	562,311	2,575,263	3,085,536	3,211,494	7,312,579
tons, dry	2,004,824	1,653,958	1,635,206	8,018,015	10,661,684	11,493,336	24,219,985
Irrigated ....farms	2,618	1,668	1,530	5,985	6,262	5,335	8,904
acres	162,056	114,065	116,011	623,516	961,212	1,135,156	2,947,497
Other tame hay ....farms	39,496	28,229	21,869	64,100	38,357	20,196	17,650
acres	1,728,647	1,447,800	1,289,823	4,865,905	4,215,800	2,983,557	4,333,336
tons, dry	3,268,993	2,769,671	2,479,733	9,692,180	8,942,509	6,509,074	9,580,661
Irrigated ....farms	1,226	846	685	2,477	2,198	1,835	3,087
acres	46,269	34,956	36,658	156,181	212,668	250,122	773,994
Field and grass seed crops, all ....farms	345	270	203	958	1,088	850	763
acres	17,924	15,664	13,906	96,145	199,530	289,888	507,476
Irrigated ....farms	50	44	51	199	303	239	243
acres	2,626	2,738	3,679	23,485	56,609	76,212	150,594
Land in vegetables (see text) ....farms	2,565	1,700	1,300	4,411	4,093	2,948	2,463
acres	51,991	51,625	52,486	282,320	602,560	886,553	2,162,400
Irrigated ....farms	920	635	491	1,846	2,036	1,639	1,606
acres	24,532	26,038	26,943	156,135	395,294	619,795	1,707,878
Farms by acres harvested:							
0.1 to 4.9 acres	1,245	758	495	1,232	574	254	124
5.0 to 24.9 acres	718	401	300	901	565	255	164
25.0 to 99.9 acres	451	375	318	1,291	1,143	572	293
100.0 to 249.9 acres	151	166	166	692	1,024	708	438
250.0 acres or more	-	-	21	295	787	1,159	1,444
Snap beans ....farms	591	369	278	832	648	478	366
acres	2,516	3,374	3,800	22,109	49,608	74,723	135,188
Harvested for processing ....farms	63	56	49	222	334	314	240
acres	1,413	1,944	2,259	12,808	34,577	49,445	93,177
Peas, green ....farms	134	113	108	496	612	470	382
acres	1,918	2,310	2,760	16,899	39,582	48,721	96,819
Harvested for processing ....farms	57	59	68	376	527	436	351
acres	1,637	2,164	2,664	16,363	38,133	47,119	94,813
Potatoes ....farms	597	327	276	818	758	676	768
acres	5,464	3,952	5,335	46,381	126,626	225,485	702,943
Harvested for processing ....farms	56	21	30	139	261	302	419
acres	1,897	1,400	2,180	15,584	61,090	102,183	412,601
Farms by acres harvested:							
0.1 to 4.9 acres	496	256	191	426	174	66	65
5.0 to 24.9 acres	42	33	41	70	57	17	19
25.0 to 99.9 acres	40	26	25	115	114	75	37
100.0 to 249.9 acres	19	12	13	159	226	171	99
250.0 acres or more	-	-	6	48	187	347	548
Sweet corn ....farms	1,191	740	589	1,952	1,521	923	639
acres	14,100	12,207	11,636	58,004	91,224	128,656	237,938
Harvested for processing ....farms	141	129	135	557	657	488	328
acres	5,342	4,910	5,835	32,598	63,506	86,386	154,033
Sweet potatoes ....farms	72	41	56	150	159	88	62
acres	1,302	1,836	2,351	10,253	26,636	25,344	31,653
Harvested for processing ....farms	13	6	8	28	51	36	27
acres	760	345	497	1,853	4,993	5,809	6,291
Tomatoes in the open ....farms	886	548	372	1,079	677	419	354
acres	2,832	2,940	2,587	21,391	68,545	84,942	237,924
Harvested for processing ....farms	26	30	26	99	192	180	174
acres	597	527	511	9,584	51,654	64,818	189,965
Land in orchards ....farms	3,983	2,583	1,962	5,586	3,560	2,084	1,657
acres	212,737	173,881	160,707	620,536	677,615	596,011	1,447,219
Irrigated ....farms	1,802	1,176	893	2,656	1,815	1,123	1,007
acres	155,653	125,782	119,967	479,062	537,618	505,853	1,290,416
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	1,096	594	419	1,029	457	241	152
5.0 to 24.9 acres	970	644	471	1,358	859	433	252
25.0 to 99.9 acres	844	550	402	1,158	756	482	332
100.0 to 249.9 acres	1,073	795	620	836	457	306	265
250.0 acres or more	-	-	50	1,205	1,031	622	656
Apples ....farms	1,037	633	448	1,098	620	275	186
bearing and nonbearing acres	23,245	20,422	17,253	58,480	65,292	41,143	61,360
Grapes ....farms	955	618	431	1,169	702	389	306
bearing and nonbearing acres	52,648	40,357	34,854	130,875	142,512	133,555	270,467
Peaches, all ....farms	573	353	262	773	437	187	151
bearing and nonbearing acres	6,376	7,881	6,861	21,483	21,151	17,578	34,292

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
CROPS HARVESTED - Con.						
Land in orchards - Con.						
Citrus fruit, all ..... farms	15,658	5,740	5,929	756	612	536
bearing and nonbearing acres	1,005,806	14,480	83,835	27,334	30,856	37,130
Almonds ..... farms	6,700	878	2,603	354	420	316
bearing and nonbearing acres	790,245	3,061	48,682	14,869	24,259	24,727
Pecans ..... farms	21,856	3,633	6,764	1,331	1,528	1,429
bearing and nonbearing acres	581,809	10,133	52,432	16,783	23,197	29,631
Walnuts, English ..... farms	7,161	1,991	2,611	444	367	309
bearing and nonbearing acres	267,751	5,369	30,292	10,674	13,764	13,716
Land in berries (see text) ..... farms	25,017	5,193	9,879	1,942	2,042	1,652
acres	261,733	5,721	32,257	11,579	14,742	17,206

See footnote(s) at end of table.

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Table 58. **Summary by Size of Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 or more acres
CROPS HARVESTED - Con.							
Land in orchards - Con.							
Citrus fruit, all .....farms	343	231	183	520	307	221	280
bearing and nonbearing acres	31,040	24,016	23,290	88,303	79,859	108,516	457,149
Almonds .....farms	256	187	161	530	482	278	235
bearing and nonbearing acres	24,895	23,262	23,632	97,932	140,631	99,838	264,457
Pecans .....farms	1,115	741	622	1,988	1,269	809	627
bearing and nonbearing acres	24,252	20,706	18,698	80,248	88,869	79,211	137,649
Walnuts, English .....farms	227	164	134	376	251	169	118
bearing and nonbearing acres	13,287	10,261	10,489	41,546	36,237	36,354	45,765
Land in berries (see text) .....farms	996	608	453	1,117	635	306	194
acres	12,835	11,128	11,638	38,163	37,273	26,228	42,965

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 59. **Summary by Market Value of Agricultural Products Sold: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
FARMS AND LAND IN FARMS						
Farms ..... number	2,204,792	55,509	60,777	93,373	147,500	125,456
percent	100.0	2.5	2.8	4.2	6.7	5.7
Land in farms ..... acres	922,095,840	143,960,530	119,419,781	140,739,342	147,572,303	78,154,582
Average size of farm ..... acres	418	2,593	1,965	1,507	1,000	623
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ..... farms	2,204,792	55,509	60,777	93,373	147,500	125,456
$1,000	305,204,413	177,385,675	44,029,662	34,776,956	25,383,985	9,455,072
Average per farm ..... dollars	138,428	3,195,620	724,446	372,452	172,095	75,366
Farms by economic class:						
Less than $1,000 (see text)	499,880	-	-	-	-	-
$1,000 to $2,499	270,712	-	-	-	-	-
$2,500 to $4,999	246,309	-	-	-	-	-
$5,000 to $9,999	254,834	-	-	-	-	-
$10,000 to $24,999	274,274	-	-	-	-	-
$25,000 to $49,999	163,500	-	-	-	-	-
$50,000 to $99,999	129,124	-	-	-	-	116,901
$100,000 to $249,999	149,049	-	-	-	140,069	8,550
$250,000 to $499,999	96,251	-	-	88,808	7,426	5
$500,000 to $999,999	63,567	-	58,997	4,563	5	-
$1,000,000 or more	57,292	55,509	1,780	2	-	-
$1,000,000 to $2,499,999	41,863	40,080	1,780	2	-	-
$2,500,000 to $4,999,999	9,845	9,845	-	-	-	-
$5,000,000 or more	5,584	5,584	-	-	-	-
Total sales ..... farms	2,204,792	55,509	60,777	93,373	147,500	125,456
$1,000	297,220,491	175,799,795	42,690,783	33,409,883	24,212,940	8,961,255
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	29,995	41,363	66,333	94,078	66,235
$1,000	77,215,262	24,729,729	18,961,617	16,541,895	11,057,167	3,509,113
Sales of $50,000 or more ..... farms	235,343	26,128	36,831	56,655	74,079	41,650
$1,000	73,535,966	24,652,345	18,872,909	16,359,898	10,702,705	2,948,110
Corn ..... farms	347,540	24,804	33,761	53,557	73,840	49,763
$1,000	39,909,600	13,722,922	9,650,149	8,302,204	5,448,046	1,684,307
Sales of $50,000 or more ..... farms	151,428	20,906	28,543	42,501	48,440	11,038
$1,000	36,859,125	13,641,772	9,539,909	8,077,802	4,897,698	701,944
Wheat ..... farms	159,527	13,719	19,024	27,894	35,130	22,061
$1,000	10,623,640	3,206,750	2,649,526	2,318,485	1,585,370	500,003
Sales of $50,000 or more ..... farms	47,250	8,966	11,071	13,072	11,010	3,131
$1,000	8,944,760	3,103,123	2,479,511	2,014,914	1,138,198	209,013
Soybeans ..... farms	285,089	19,208	28,887	46,026	62,497	42,709
$1,000	20,283,986	5,415,418	4,962,990	4,633,498	3,305,478	1,135,701
Sales of $50,000 or more ..... farms	109,269	15,886	24,011	34,973	30,875	3,524
$1,000	17,191,360	5,337,850	4,842,481	4,357,083	2,433,528	220,417
Sorghum ..... farms	27,142	2,680	3,633	5,029	6,310	3,808
$1,000	1,651,798	482,898	406,856	370,001	263,309	81,322
Sales of $50,000 or more ..... farms	8,972	1,787	2,267	2,644	1,958	316
$1,000	1,348,798	464,520	376,059	317,502	170,361	20,356
Barley ..... farms	18,326	1,683	2,605	3,933	4,475	2,113
$1,000	701,047	216,244	177,219	163,550	101,781	24,672
Sales of $50,000 or more ..... farms	3,973	917	1,206	1,188	577	85
$1,000	526,415	203,684	152,148	117,193	47,870	5,520
Rice ..... farms	6,085	1,175	1,435	1,477	1,087	457
$1,000	2,020,231	939,809	560,715	349,084	135,112	25,402
Sales of $50,000 or more ..... farms	5,184	1,144	1,395	1,418	951	276
$1,000	1,995,322	938,920	559,471	347,064	130,603	19,265
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	4,193	5,943	8,826	11,424	6,966
$1,000	2,024,959	745,688	554,162	405,074	218,070	57,707
Sales of $50,000 or more ..... farms	10,062	2,362	3,012	3,059	1,460	169
$1,000	1,698,514	721,351	516,025	334,736	115,974	10,428
Tobacco ..... farms	16,228	679	823	1,278	2,818	2,351
$1,000	1,268,114	391,876	253,660	220,181	201,442	96,150
Sales of $50,000 or more ..... farms	4,495	586	695	1,011	1,416	787
$1,000	1,076,035	389,616	250,634	213,834	169,257	52,693
Cotton and cottonseed ..... farms	18,591	3,154	3,577	3,704	3,736	1,578
$1,000	4,898,608	2,357,881	1,305,848	746,618	373,073	70,971
Sales of $50,000 or more ..... farms	13,232	2,982	3,370	3,333	2,852	695
$1,000	4,784,510	2,352,866	1,300,461	736,484	347,522	47,177
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	4,908	3,160	3,760	5,591	5,542
$1,000	14,683,058	12,324,415	925,450	524,052	364,176	197,222
Sales of $50,000 or more ..... farms	13,824	4,379	2,391	2,386	2,697	1,971
$1,000	14,167,307	12,313,584	909,617	498,158	314,860	131,089
Fruits, tree nuts, and berries ..... farms	112,690	4,711	3,555	5,385	10,416	11,202
$1,000	18,625,459	12,460,332	1,923,528	1,482,742	1,283,549	631,941
Sales of $50,000 or more ..... farms	28,824	4,236	3,116	4,609	8,433	8,430
$1,000	17,681,378	12,451,336	1,916,816	1,471,149	1,255,700	586,377
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	3,330	2,381	3,192	6,531	5,161
$1,000	16,632,734	12,997,739	1,347,208	875,024	795,561	277,829
Sales of $50,000 or more ..... farms	17,039	3,145	2,155	2,771	5,355	3,613
$1,000	16,227,627	12,994,752	1,343,399	867,592	775,325	246,558
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	149	147	245	651	784
$1,000	384,594	157,692	41,475	34,623	52,048	32,069
Sales of $50,000 or more ..... farms	1,088	104	89	126	368	401
$1,000	306,465	156,915	40,726	32,945	48,837	27,043

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
FARMS AND LAND IN FARMS						
Farms ....number	154,732	248,285	218,531	200,302	211,494	688,833
percent	7.0	11.3	9.9	9.1	9.6	31.2
Land in farms ....acres	59,786,339	65,839,387	27,622,945	17,486,373	13,691,539	107,822,719
Average size of farm ....acres	386	265	126	87	65	157
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ....farms	154,732	248,285	218,531	200,302	211,494	688,833
$1,000	5,802,447	4,211,240	1,671,563	787,670	403,263	1,296,879
Average per farm ....dollars	37,500	16,961	7,649	3,932	1,907	1,883
Farms by economic class:						
Less than $1,000 (see text)	-	-	-	-	-	499,880
$1,000 to $2,499	-	-	-	-	199,125	71,587
$2,500 to $4,999	-	-	-	187,545	8,259	50,505
$5,000 to $9,999	-	-	204,851	10,210	2,806	36,967
$10,000 to $24,999	-	235,593	12,676	2,193	1,067	22,745
$25,000 to $49,999	144,398	12,033	843	301	198	5,727
$50,000 to $99,999	10,139	626	152	45	35	1,226
$100,000 to $249,999	191	33	8	7	4	187
$250,000 to $499,999	3	-	1	1	-	7
$500,000 to $999,999	1	-	-	-	-	1
$1,000,000 or more	-	-	-	-	-	1
$1,000,000 to $2,499,999	-	-	-	-	-	1
$2,500,000 to $4,999,999	-	-	-	-	-	-
$5,000,000 or more	-	-	-	-	-	-
Total sales ....farms	154,732	248,285	218,531	200,302	211,494	688,833
$1,000	5,480,497	3,959,823	1,552,543	718,027	350,588	84,357
Grains, oilseeds, dry beans, and dry peas ....farms	58,128	54,236	30,772	19,346	12,448	6,533
$1,000	1,527,458	645,369	167,067	55,235	17,588	3,025
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Corn ....farms	40,685	33,520	17,437	10,247	6,137	3,789
$1,000	713,136	282,186	73,180	24,606	7,348	1,516
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Wheat ....farms	17,342	13,397	5,720	2,867	1,709	664
$1,000	226,485	102,876	24,215	7,335	2,250	345
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Soybeans ....farms	33,601	26,181	12,566	7,233	4,632	1,549
$1,000	512,423	229,055	61,212	20,427	6,914	869
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Sorghum ....farms	2,588	1,774	701	318	185	116
$1,000	31,545	12,215	2,773	640	192	48
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Barley ....farms	1,441	1,101	471	296	129	79
$1,000	11,428	4,375	1,186	456	108	28
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Rice ....farms	270	138	32	11	3	-
$1,000	7,838	2,076	154	38	4	-
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Other grains, oilseeds, dry beans, and dry peas ....farms	5,844	5,387	2,948	1,788	1,128	781
$1,000	24,603	12,584	4,347	1,733	772	219
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Tobacco .... farms	2,676	3,059	1,535	720	238	51
$1,000	58,735	34,266	8,969	2,402	399	34
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Cotton and cottonseed ....farms	1,136	888	433	222	121	42
$1,000	28,912	11,578	2,777	729	196	24
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Vegetables, melons, potatoes, and sweet potatoes ....farms	7,551	12,404	9,822	7,691	5,580	3,091
$1,000	150,397	124,102	46,066	19,295	6,691	1,193
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Fruits, tree nuts, and berries ....farms	15,160	22,297	14,964	12,041	8,211	4,748
$1,000	425,339	282,448	85,591	36,099	11,576	2,314
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Nursery, greenhouse, floriculture, and sod (see text) ....farms	6,377	9,095	5,834	4,457	3,170	1,256
$1,000	173,440	114,114	33,110	13,600	4,465	644
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Cut Christmas trees and short-rotation woody crops ....farms	1,243	2,087	1,908	1,821	1,764	2,575
$1,000	26,231	22,015	10,129	5,038	2,313	962
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.						
Total - Con.						
Total sales - Con.						
Other crops and hay (see text) ..... farms	434,502	11,092	12,390	18,448	30,257	28,643
$1,000	9,950,098	4,164,306	1,461,395	1,124,121	1,039,140	594,228
Sales of $50,000 or more ..... farms	27,831	5,280	4,929	5,771	7,177	4,674
$1,000	7,529,077	4,094,879	1,373,070	977,145	775,207	308,776
Cattle and calves ..... farms	798,290	23,796	25,772	44,421	73,815	64,246
$1,000	61,209,970	38,034,160	5,123,708	5,140,331	4,950,680	2,723,746
Sales of $50,000 or more ..... farms	119,983	17,074	15,072	22,922	34,147	30,768
$1,000	53,786,091	37,896,093	4,889,886	4,686,607	4,238,984	2,074,521
Milk and other dairy products from cows ..... farms	69,763	6,792	6,472	13,448	21,328	7,746
$1,000	31,848,029	21,369,356	3,374,395	3,672,241	2,839,493	418,879
Sales of $50,000 or more ..... farms	50,792	6,715	6,334	13,057	19,717	4,969
$1,000	31,558,210	21,368,148	3,372,499	3,665,716	2,805,528	346,319
Hogs and pigs ..... farms	74,789	7,694	5,994	5,938	6,574	4,394
$1,000	18,056,981	14,221,695	2,320,351	936,846	386,106	91,382
Sales of $50,000 or more ..... farms	19,956	7,158	5,101	4,078	2,876	743
$1,000	17,829,977	14,217,026	2,309,210	911,817	341,396	50,529
Sheep, goats, and their products ..... farms	121,171	911	1,321	2,375	4,946	4,855
$1,000	704,855	186,565	75,763	77,675	101,066	56,635
Sales of $50,000 or more ..... farms	1,825	162	228	357	680	398
$1,000	415,640	182,568	69,497	64,339	72,484	26,753
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	1,158	1,122	1,868	4,303	4,757
$1,000	2,061,862	1,042,139	161,720	117,732	169,929	125,243
Sales of $50,000 or more ..... farms	3,638	290	286	394	1,121	1,547
$1,000	1,559,047	1,036,718	156,934	109,386	153,830	102,179
Poultry and eggs ..... farms	148,911	12,280	7,962	6,261	6,592	5,285
$1,000	37,065,947	29,796,162	5,101,597	1,658,951	360,703	42,066
Sales of $50,000 or more ..... farms	26,267	12,022	7,297	4,515	2,008	425
$1,000	36,932,463	29,795,291	5,100,158	1,655,632	351,853	29,529
Aquaculture (see text) ..... farms	6,409	389	406	591	868	614
$1,000	1,415,271	867,446	200,050	160,132	118,946	35,697
Sales of $50,000 or more ..... farms	2,449	350	345	506	757	491
$1,000	1,376,454	866,839	199,169	158,813	117,451	34,183
Other animals and other animal products (see text) ..... farms	43,226	574	518	858	1,936	2,173
$1,000	1,199,649	698,301	113,015	96,721	119,861	58,085
Sales of $50,000 or more ..... farms	2,294	214	206	323	814	737
$1,000	1,066,659	696,061	111,567	94,455	114,906	49,669
Value of-						
Government payments ..... farms	838,391	32,899	43,597	72,099	108,309	79,540
$1,000	7,983,922	1,585,880	1,338,879	1,367,072	1,171,045	493,817
Landlord's share of total sales (see text) ..... farms	97,706	7,883	12,893	19,413	21,607	11,769
$1,000	6,429,386	2,026,351	1,767,053	1,477,816	824,669	207,734
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	136,817	1,277	1,659	3,141	6,781	8,004
$1,000	1,211,270	241,768	131,436	150,773	182,032	133,554
FARM PRODUCTION EXPENSES						
Total farm production expenses ..... farms	2,204,792	55,509	60,777	93,373	147,500	125,456
$1,000	241,113,666	134,974,291	31,430,276	25,046,756	18,849,550	7,593,937
Average per farm .....dollars	109,359	2,431,575	517,141	268,244	127,794	60,531
Fertilizer, lime, and soil conditioners purchased ..... farms	1,148,218	43,372	52,201	83,063	127,981	102,606
$1,000	18,107,194	6,257,901	3,554,988	3,274,958	2,447,360	957,531
Farms with expenses of-						
$1 to $4,999	734,931	4,208	4,373	8,162	25,836	38,683
$5,000 to $24,999	249,546	6,884	9,717	25,302	67,005	57,900
$25,000 to $49,999	74,633	5,377	9,775	24,836	27,210	5,190
$50,000 or more	89,108	26,903	28,336	24,763	7,930	833
Chemicals purchased ..... farms	918,604	43,250	48,905	76,552	115,440	89,391
$1,000	10,074,914	4,414,501	1,933,129	1,656,854	1,172,231	398,271
Farms with expenses of-						
$1 to $4,999	666,084	7,754	7,847	15,454	45,485	61,886
$5,000 to $24,999	162,785	8,877	13,952	36,755	60,109	26,421
$25,000 to $49,999	46,594	6,266	13,169	17,577	8,112	882
$50,000 or more	43,141	20,353	13,937	6,766	1,734	202
Seeds, plants, vines, and trees ..... farms	775,893	39,342	47,751	75,349	111,599	81,204
$1,000	11,740,521	5,031,371	2,217,140	1,985,142	1,430,463	488,711
Farms with expenses of-						
$1 to $999	302,164	1,396	1,468	2,528	7,895	12,703
$1,000 to $4,999	192,154	2,908	3,501	8,338	26,059	31,075
$5,000 to $24,999	173,462	7,252	11,949	31,065	64,028	35,961
$25,000 to $49,999	56,320	5,993	12,455	24,433	11,533	1,155
$50,000 or more	51,793	21,793	18,378	8,985	2,084	310

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.						
Total - Con.						
Total sales - Con.						
Other crops and hay (see text) ....farms	37,782	64,239	60,575	58,293	60,792	51,991
$1,000	516,553	520,629	268,304	153,392	82,936	25,093
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Cattle and calves ....farms	84,365	144,294	122,509	98,311	88,783	27,978
$1,000	2,148,442	1,866,151	750,652	314,667	139,175	18,258
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Milk and other dairy products from cows ....farms	4,887	4,364	2,773	1,795	124	34
$1,000	113,140	42,255	12,850	5,290	116	13
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Hogs and pigs ....farms	4,544	7,114	7,246	7,670	8,942	8,679
$1,000	39,037	27,630	14,462	9,728	6,775	2,968
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Sheep, goats, and their products ....farms	6,866	13,263	14,011	16,504	24,680	31,439
$1,000	48,597	58,190	36,623	28,631	24,380	10,731
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Horses, ponies, mules, burros, and donkeys ....farms	7,700	15,635	18,638	20,031	25,697	13,408
$1,000	133,070	141,148	81,677	49,994	32,799	6,411
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Poultry and eggs ....farms	7,335	14,161	15,341	17,243	23,816	32,635
$1,000	25,536	23,842	16,415	14,308	15,308	11,059
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Aquaculture (see text) ....farms	629	859	602	513	624	314
$1,000	17,919	10,085	2,875	1,327	717	79
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Other animals and other animal products (see text) ....farms	3,441	6,192	5,882	6,034	7,463	8,155
$1,000	47,691	36,001	14,976	8,293	5,155	1,549
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Value of-						
Government payments ....farms	76,995	84,486	50,222	33,540	25,359	231,345
$1,000	321,950	251,418	119,020	69,643	52,675	1,212,522
Landlord's share of total sales (see text) ....farms	8,718	7,473	3,789	2,197	1,373	591
$1,000	81,132	33,664	7,765	2,356	739	106
Agricultural products sold directly to individuals for human consumption (see text) ....farms	12,301	22,323	20,861	21,022	23,118	16,330
$1,000	123,477	121,245	60,959	37,957	22,451	5,617
FARM PRODUCTION EXPENSES						
Total farm production expenses ....farms	154,732	248,285	218,531	200,302	211,494	688,833
$1,000	5,308,530	4,896,704	2,691,301	1,897,129	1,644,701	6,780,491
Average per farm .... dollars	34,308	19,722	12,315	9,471	7,777	9,843
Fertilizer, lime, and soil conditioners purchased ....farms	117,982	167,950	125,359	97,773	82,215	147,716
$1,000	604,504	462,477	204,678	107,682	66,575	168,540
Farms with expenses of-						
$1 to $4,999	73,112	142,642	119,118	95,577	81,098	142,122
$5,000 to $24,999	43,407	24,853	6,095	2,131	1,081	5,171
$25,000 to $49,999	1,241	404	132	59	33	376
$50,000 or more	222	51	14	6	3	47
Chemicals purchased ....farms	94,939	122,578	84,786	64,817	55,876	122,070
$1,000	209,752	126,411	46,942	25,337	17,711	73,775
Farms with expenses of-						
$1 to $4,999	84,928	119,105	83,982	64,441	55,590	119,612
$5,000 to $24,999	9,693	3,307	755	359	271	2,286
$25,000 to $49,999	228	137	46	17	14	146
$50,000 or more	90	29	3	-	1	26
Seeds, plants, vines, and trees ....farms	81,853	98,540	67,187	49,561	41,955	81,552
$1,000	252,785	154,484	60,913	32,191	20,652	66,669
Farms with expenses of-						
$1 to $999	24,728	53,036	50,514	42,371	37,927	67,598
$1,000 to $4,999	42,910	40,583	15,300	6,514	3,590	11,376
$5,000 to $24,999	13,763	4,690	1,281	611	398	2,464
$25,000 to $49,999	315	187	80	54	32	83
$50,000 or more	137	44	12	11	8	31

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Livestock and poultry purchased or leased (see text) ..... farms	490,819	30,436	25,500	32,807	44,365	36,294
$1,000	38,003,682	30,099,656	3,265,983	1,927,361	1,114,542	509,069
Farms with expenses of-						
$1 to $4,999	306,414	1,286	3,058	7,711	16,134	16,839
$5,000 to $24,999	97,441	2,104	3,852	8,342	15,007	12,364
$25,000 to $99,999	42,768	3,214	8,557	9,181	10,793	6,828
$100,000 to $249,999	24,183	9,492	5,494	6,512	2,373	260
$250,000 or more	20,013	14,340	4,539	1,061	58	3
Breeding livestock purchased or leased (see text) ..... farms	278,572	9,853	10,809	18,726	29,912	24,941
$1,000	3,599,873	1,538,379	340,970	381,968	416,549	260,377
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	25,326	18,711	19,325	21,286	16,640
$1,000	34,403,809	28,561,277	2,925,014	1,545,393	697,993	248,692
Feed purchased ..... farms	1,135,968	33,823	30,967	45,382	70,465	60,944
$1,000	49,095,106	35,452,554	5,067,307	2,785,603	1,852,560	727,536
Farms with expenses of-						
$1 to $4,999	766,606	1,209	3,384	7,717	18,307	24,414
$5,000 to $24,999	245,328	1,847	4,761	11,364	26,427	28,670
$25,000 to $99,999	66,394	2,695	6,523	16,173	23,216	7,596
$100,000 to $249,999	23,472	3,857	7,626	9,047	2,380	238
$250,000 or more	34,168	24,215	8,673	1,081	135	26
Gasoline, fuels, and oils ..... farms	2,148,806	55,370	60,638	93,057	146,663	124,111
$1,000	12,912,179	4,563,702	1,924,472	1,779,640	1,506,440	683,974
Farms with expenses of-						
$1 to $4,999	1,704,545	2,867	4,574	10,232	42,108	73,420
$5,000 to $24,999	336,324	12,528	25,638	60,605	95,322	48,923
$25,000 to $49,999	64,765	14,136	20,156	17,867	7,821	1,504
$50,000 or more	43,172	25,839	10,270	4,353	1,412	264
Utilities (see text) ..... farms	1,102,530	52,163	54,978	81,675	121,581	92,267
$1,000	5,917,615	2,905,528	757,039	648,108	553,032	252,192
Farms with expenses of-						
$1 to $999	506,560	553	1,463	4,574	17,385	26,242
$1,000 to $4,999	402,839	5,477	15,582	35,980	70,222	54,680
$5,000 to $24,999	157,818	24,641	31,033	37,202	32,089	10,755
$25,000 to $49,999	19,269	9,569	4,511	2,831	1,411	465
$50,000 or more	16,044	11,923	2,389	1,088	474	125
Supplies, repairs, and maintenance ..... farms	1,992,234	55,489	60,759	93,348	141,230	115,962
$1,000	15,896,723	5,989,631	2,055,829	2,005,065	1,712,966	778,621
Farms with expenses of-						
$1 to $4,999	1,478,317	2,869	5,210	11,125	38,167	60,781
$5,000 to $24,999	389,971	14,541	24,457	53,476	88,215	52,065
$25,000 to $49,999	73,014	11,351	18,220	22,033	12,550	2,536
$50,000 or more	50,932	26,728	12,872	6,714	2,298	580
Hired farm labor ..... farms	482,186	44,953	42,365	54,969	66,394	41,295
$1,000	21,877,661	14,604,933	2,486,484	1,777,228	1,295,614	478,109
Farms with expenses of-						
$1 to $4,999	262,262	3,362	6,993	15,129	27,790	23,279
$5,000 to $24,999	108,122	7,093	11,792	19,096	22,561	12,766
$25,000 to $99,999	75,938	13,367	16,386	16,595	14,180	4,765
$100,000 to $249,999	21,237	9,068	5,444	3,700	1,665	434
$250,000 or more	14,627	12,063	1,750	449	198	51
Contract labor ..... farms	182,701	15,018	11,500	14,739	20,756	16,520
$1,000	4,514,166	2,977,408	388,800	310,910	301,479	148,894
Farms with expenses of-						
$1 to $999	49,657	588	759	1,387	2,606	2,787
$1,000 to $4,999	66,104	2,449	2,914	4,517	7,112	6,337
$5,000 to $24,999	45,949	4,781	4,453	5,586	7,504	5,891
$25,000 to $49,999	9,730	1,938	1,411	1,541	2,098	1,166
$50,000 or more	11,261	5,262	1,963	1,708	1,436	339
Customwork and custom hauling ..... farms	362,475	23,547	24,005	37,450	54,942	38,621
$1,000	4,091,038	2,109,034	511,360	491,919	434,605	188,735
Farms with expenses of-						
$1 to $999	119,768	722	1,400	2,987	7,285	8,410
$1,000 to $4,999	131,318	3,292	5,832	11,952	22,749	18,164
$5,000 to $24,999	83,762	7,738	10,873	17,375	21,668	11,270
$25,000 to $49,999	14,558	3,927	3,410	3,450	2,532	645
$50,000 or more	13,069	7,868	2,490	1,686	708	132
Cash rent for land, buildings, and grazing fees ..... farms	490,372	34,358	41,233	63,963	86,028	55,768
$1,000	13,274,530	5,199,960	2,754,112	2,411,337	1,638,210	539,697
Farms with expenses of-						
$1 to $4,999	238,363	2,322	3,447	8,947	23,014	25,747
$5,000 to $9,999	59,281	1,800	2,972	7,050	14,618	12,551
$10,000 to $24,999	76,679	4,261	7,015	15,040	26,107	13,622
$25,000 or more	116,049	25,975	27,799	32,926	22,289	3,848

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Livestock and poultry purchased or leased (see text) ....farms	42,475	63,857	51,036	44,012	46,538	73,499
$1,000	349,526	277,770	133,349	87,301	67,551	171,573
Farms with expenses of-						
$1 to $4,999	24,060	44,966	43,127	40,102	43,818	65,313
$5,000 to $24,999	14,992	18,249	7,869	3,893	2,696	8,073
$25,000 to $99,999	3,396	637	34	16	24	88
$100,000 to $249,999	26	4	3	1	-	18
$250,000 or more	1	1	3	-	-	7
Breeding livestock purchased or leased (see text) ....farms	29,487	42,814	30,897	23,506	21,685	35,942
$1,000	209,714	177,670	78,794	52,058	39,246	104,148
Other livestock and poultry purchased or leased (see text) ....farms	18,957	29,437	26,581	26,278	30,619	45,995
$1,000	139,813	100,099	54,556	35,243	28,305	67,424
Feed purchased ....farms	82,732	146,478	128,898	116,441	127,828	292,010
$1,000	613,900	680,584	415,535	299,511	279,003	921,012
Farms with expenses of-						
$1 to $4,999	43,959	101,480	105,210	101,676	115,395	243,855
$5,000 to $24,999	34,950	42,884	22,988	14,240	12,040	45,157
$25,000 to $99,999	3,707	2,064	669	511	378	2,862
$100,000 to $249,999	109	46	19	13	15	122
$250,000 or more	7	4	12	1	-	14
Gasoline, fuels, and oils ....farms	152,777	244,678	214,831	196,012	205,451	655,218
$1,000	500,778	474,202	280,823	198,871	166,522	832,754
Farms with expenses of-						
$1 to $4,999	122,285	225,168	206,567	190,771	201,437	625,116
$5,000 to $24,999	29,862	19,364	8,051	5,111	3,855	27,065
$25,000 to $49,999	576	138	198	105	139	2,125
$50,000 or more	54	8	15	25	20	912
Utilities (see text) ....farms	102,001	143,495	105,891	86,388	80,462	181,629
$1,000	187,622	181,764	101,506	73,180	60,743	196,901
Farms with expenses of-						
$1 to $999	45,037	84,887	73,783	63,938	62,502	126,196
$1,000 to $4,999	50,283	53,471	29,945	21,064	16,878	49,257
$5,000 to $24,999	6,397	5,097	2,142	1,372	1,068	6,022
$25,000 to $49,999	275	35	18	11	14	129
$50,000 or more	9	5	3	3	-	25
Supplies, repairs, and maintenance ....farms	140,533	223,021	199,950	180,650	187,943	593,349
$1,000	598,862	612,149	391,175	288,190	253,849	1,210,386
Farms with expenses of-						
$1 to $4,999	101,604	191,206	182,828	168,977	178,335	537,215
$5,000 to $24,999	37,336	30,607	16,565	11,313	9,268	52,128
$25,000 to $49,999	1,299	981	460	294	276	3,014
$50,000 or more	294	227	97	66	64	992
Hired farm labor ....farms	42,479	54,055	36,326	26,762	22,381	50,207
$1,000	314,778	291,448	134,335	88,129	66,957	339,646
Farms with expenses of-						
$1 to $4,999	29,185	42,897	31,345	23,472	19,885	38,925
$5,000 to $24,999	10,306	8,495	3,871	2,529	1,942	7,671
$25,000 to $99,999	2,728	2,424	1,006	725	523	3,239
$100,000 to $249,999	234	216	92	29	24	331
$250,000 or more	26	23	12	7	7	41
Contract labor ....farms	18,474	24,291	15,641	11,486	9,499	24,777
$1,000	105,654	95,220	41,662	25,205	18,998	99,936
Farms with expenses of-						
$1 to $999	4,029	7,747	6,801	6,000	5,578	11,375
$1,000 to $4,999	8,008	11,460	6,975	4,411	3,092	8,829
$5,000 to $24,999	5,870	4,622	1,694	973	752	3,823
$25,000 to $49,999	451	344	120	76	61	524
$50,000 or more	116	118	51	26	16	226
Customwork and custom hauling ....farms	39,143	47,390	31,352	21,733	16,066	28,226
$1,000	124,785	98,904	42,637	23,078	15,263	50,718
Farms with expenses of-						
$1 to $999	12,540	21,582	19,128	15,011	12,258	18,445
$1,000 to $4,999	19,470	21,576	10,942	6,119	3,465	7,757
$5,000 to $24,999	6,862	4,052	1,222	579	306	1,817
$25,000 to $49,999	211	135	40	21	30	157
$50,000 or more	60	45	20	3	7	50
Cash rent for land, buildings, and grazing fees ....farms	52,111	57,518	32,395	19,739	14,118	33,141
$1,000	281,252	182,454	68,207	36,163	24,335	138,804
Farms with expenses of-						
$1 to $4,999	35,620	49,682	30,099	18,628	13,290	27,567
$5,000 to $9,999	10,045	5,182	1,417	645	462	2,539
$10,000 to $24,999	5,349	1,994	668	339	257	2,027
$25,000 or more	1,097	660	211	127	109	1,008

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	14,001	11,989	15,070	16,560	9,496
$1,000	1,385,219	795,097	208,217	161,079	103,732	34,573
Farms with expenses of-						
$1 to $999	39,280	884	1,363	2,694	4,659	3,632
$1,000 to $4,999	31,997	2,336	3,153	4,972	6,139	3,616
$5,000 to $24,999	26,656	4,974	5,034	5,672	4,909	2,125
$25,000 to $49,999	5,778	2,125	1,458	1,184	656	111
$50,000 or more	5,488	3,682	981	548	197	12
Interest expense ..... farms	667,454	40,735	42,755	62,295	85,457	58,355
$1,000	10,880,731	3,700,929	1,480,844	1,380,671	1,182,941	562,425
Farms with expenses of-						
$1 to $4,999	289,876	2,828	4,731	10,706	25,653	25,588
$5,000 to $24,999	275,988	9,464	16,797	32,053	47,218	28,425
$25,000 to $99,999	87,574	18,636	19,095	18,642	12,155	4,196
$100,000 or more	14,016	9,807	2,132	894	431	146
Secured by real estate ..... farms	519,095	31,879	32,793	46,598	61,528	41,841
$1,000	7,185,334	2,144,842	897,251	853,653	777,689	401,895
Farms with expenses of-						
$1 to $999	58,501	702	974	1,795	3,650	3,830
$1,000 to $4,999	171,356	2,488	4,229	8,482	16,569	14,297
$5,000 to $24,999	225,304	10,008	15,440	25,722	33,795	20,729
$25,000 to $49,999	39,515	7,120	7,412	7,754	5,766	2,308
$50,000 or more	24,419	11,561	4,738	2,845	1,748	677
Not secured by real estate ..... farms	413,327	27,329	30,261	44,882	60,850	40,048
$1,000	3,695,397	1,556,088	583,593	527,018	405,253	160,531
Farms with expenses of-						
$1 to $999	122,808	1,016	1,488	3,323	8,020	8,884
$1,000 to $4,999	153,159	3,551	5,594	11,762	24,834	20,419
$5,000 to $24,999	106,610	8,592	15,007	24,704	26,068	10,425
$25,000 to $49,999	18,841	5,621	5,939	4,223	1,718	292
$50,000 or more	11,909	8,549	2,233	870	210	28
Property taxes paid ..... farms	1,995,808	52,243	56,933	86,576	134,333	114,603
$1,000	6,223,048	1,162,967	548,563	605,156	654,552	390,554
Farms with expenses of-						
$1 to $4,999	1,717,819	16,968	25,329	45,437	89,994	93,249
$5,000 to $9,999	172,489	10,667	13,914	23,005	30,872	16,115
$10,000 to $24,999	80,800	13,267	13,285	15,461	11,874	4,585
$25,000 or more	24,700	11,341	4,405	2,673	1,593	654
All other production expenses (see text) ..... farms	1,115,703	55,417	60,687	93,234	146,404	89,124
$1,000	17,119,339	9,709,119	2,276,010	1,845,725	1,448,821	455,046
Farms with expenses of-						
$1 to $4,999	765,840	2,117	6,536	19,193	61,902	62,138
$5,000 to $24,999	234,512	10,840	23,400	49,863	73,561	24,953
$25,000 to $49,999	55,174	8,840	15,340	17,610	8,362	1,532
$50,000 to $99,999	32,742	12,153	11,746	5,241	2,111	375
$100,000 or more	27,435	21,467	3,665	1,327	468	126
Production expenses paid by landlords [1] ..... farms	67,427	7,987	11,128	14,946	14,977	7,044
$1,000	1,556,963	496,353	411,161	354,611	200,779	53,155
Depreciation expenses claimed (see text) ..... farms	963,340	48,922	52,743	78,819	111,744	82,831
$1,000	20,185,540	7,069,426	3,020,470	2,866,631	2,456,320	1,120,735
NET CASH FARM INCOME (SEE TEXT)						
Net cash farm income of operations (see text) ..... farms	2,204,792	55,509	60,777	93,373	147,500	125,456
$1,000	74,581,098	44,318,423	13,815,637	10,991,718	7,843,202	2,620,108
Average per farm ..... dollars	33,827	798,401	227,317	117,718	53,174	20,885
Farms with net gains [2] ..... number	1,037,041	51,005	55,347	83,046	126,257	100,418
Average net gain ..... dollars	89,479	914,738	268,111	146,294	73,561	36,287
Gain of-						
Less than $1,000	102,871	14	34	145	464	972
$1,000 to $4,999	221,477	60	217	576	2,112	4,164
$5,000 to $9,999	128,828	93	210	780	2,944	6,147
$10,000 to $24,999	170,636	307	861	2,594	11,306	24,143
$25,000 to $49,999	119,233	538	1,677	6,097	25,982	41,603
$50,000 or more	293,996	49,993	52,348	72,854	83,449	23,389
Farms with net losses ..... number	1,167,751	4,504	5,430	10,327	21,243	25,038
Average net loss ..... dollars	15,596	519,050	188,492	112,076	67,996	40,889
Loss of-						
Less than $1,000	134,307	20	34	148	451	886
$1,000 to $4,999	426,570	76	145	491	1,761	3,247
$5,000 to $9,999	247,156	82	180	569	1,842	3,327
$10,000 to $24,999	225,863	181	502	1,586	4,341	6,598
$25,000 to $49,999	76,927	318	734	1,893	4,442	5,147
$50,000 or more	56,928	3,827	3,835	5,640	8,406	5,833

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	8,469	9,454	6,081	4,384	3,724	9,971
$1,000	22,651	17,326	9,427	6,042	4,694	22,382
Farms with expenses of-						
$1 to $999	4,198	5,762	4,152	3,071	2,681	6,184
$1,000 to $4,999	3,011	2,777	1,486	1,011	803	2,693
$5,000 to $24,999	1,165	858	410	287	231	991
$25,000 to $49,999	73	50	28	14	8	71
$50,000 or more	22	7	5	1	1	32
Interest expense ..... farms	58,975	73,884	51,590	41,364	39,125	112,919
$1,000	453,419	474,179	300,385	232,914	217,740	894,282
Farms with expenses of-						
$1 to $4,999	31,587	44,535	32,601	26,130	24,730	60,787
$5,000 to $24,999	24,534	26,714	17,441	14,149	13,446	45,747
$25,000 to $99,999	2,729	2,530	1,493	1,054	920	6,124
$100,000 or more	125	105	55	31	29	261
Secured by real estate ..... farms	43,172	55,952	40,624	34,007	33,189	97,512
$1,000	347,271	383,735	249,172	198,915	193,569	737,342
Farms with expenses of-						
$1 to $999	5,287	8,241	7,094	6,134	6,216	14,578
$1,000 to $4,999	16,932	23,779	17,601	14,674	13,946	38,359
$5,000 to $24,999	18,692	21,749	14,669	12,299	12,189	40,012
$25,000 to $49,999	1,681	1,671	1,001	746	676	3,380
$50,000 or more	580	512	259	154	162	1,183
Not secured by real estate ..... farms	38,271	45,006	29,459	22,049	19,838	55,334
$1,000	106,148	90,444	51,214	33,999	24,171	156,940
Farms with expenses of-						
$1 to $999	12,334	19,353	14,933	12,708	13,043	27,706
$1,000 to $4,999	19,780	21,610	12,512	8,057	5,887	19,153
$5,000 to $24,999	6,085	3,966	1,957	1,253	892	7,661
$25,000 to $49,999	67	73	55	30	16	807
$50,000 or more	5	4	2	1	-	7
Property taxes paid ..... farms	143,605	233,766	193,531	178,143	188,473	613,602
$1,000	367,140	462,287	314,913	270,954	276,200	1,169,763
Farms with expenses of-						
$1 to $4,999	127,942	216,892	183,589	169,972	180,281	568,166
$5,000 to $9,999	11,781	12,755	7,763	6,518	6,405	32,694
$10,000 to $24,999	3,354	3,579	1,888	1,444	1,539	10,524
$25,000 or more	528	540	291	209	248	2,218
All other production expenses (see text) ..... farms	102,288	148,492	95,928	76,937	73,644	173,548
$1,000	321,120	305,045	144,815	102,379	87,908	423,351
Farms with expenses of-						
$1 to $4,999	86,600	136,193	90,603	73,281	70,421	156,856
$5,000 to $24,999	14,641	11,404	4,950	3,402	3,026	14,472
$25,000 to $49,999	762	667	287	196	151	1,427
$50,000 to $99,999	231	184	72	52	35	542
$100,000 or more	54	44	16	6	11	251
Production expenses paid by landlords [1] ..... farms	4,530	3,321	1,550	852	531	561
$1,000	23,057	10,089	3,504	1,763	942	1,549
Depreciation expenses claimed (see text) ..... farms	89,196	122,533	89,735	69,155	61,827	155,835
$1,000	889,596	867,895	494,387	314,940	241,494	843,646
NET CASH FARM INCOME (SEE TEXT)						
Net cash farm income of operations (see text) ..... farms	154,732	248,285	218,531	200,302	211,494	688,833
$1,000	1,147,505	-23,371	-676,549	-880,741	-1,048,476	-3,526,357
Average per farm ..... dollars	7,416	-94	-3,096	-4,397	-4,957	-5,119
Farms with net gains [2] ..... number	112,941	151,566	102,949	66,261	40,308	146,943
Average net gain ..... dollars	19,507	9,644	4,955	3,307	3,056	11,568
Gain of-						
Less than $1,000	2,450	9,009	14,957	20,303	22,798	31,725
$1,000 to $4,999	11,336	40,340	58,461	39,204	13,185	51,822
$5,000 to $9,999	16,518	50,473	22,701	3,474	1,993	23,495
$10,000 to $24,999	53,429	45,875	4,930	2,173	1,515	23,503
$25,000 to $49,999	26,070	4,324	1,287	739	530	10,386
$50,000 or more	3,138	1,545	613	368	287	6,012
Farms with net losses ..... number	41,791	96,719	115,582	134,041	171,186	541,890
Average net loss ..... dollars	25,261	15,354	10,267	8,206	6,844	9,644
Loss of-						
Less than $1,000	2,334	8,038	13,777	19,487	27,010	62,122
$1,000 to $4,999	7,722	26,112	39,689	52,720	75,191	219,416
$5,000 to $9,999	7,208	21,107	26,761	29,454	36,044	120,582
$10,000 to $24,999	12,199	26,013	25,527	24,572	25,938	98,406
$25,000 to $49,999	7,084	10,307	7,160	5,923	5,453	28,466
$50,000 or more	5,244	5,142	2,668	1,885	1,550	12,898

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
NET CASH FARM INCOME (SEE TEXT) - Con.						
Net cash farm income of operators (see text) ..... farms	2,204,792	55,509	60,777	93,373	147,500	125,456
$1,000	64,197,836	38,428,834	11,564,762	9,648,605	7,184,076	2,464,464
Average per farm ..... dollars	29,117	692,299	190,282	103,334	48,706	19,644
Operators reporting net gains [2] ..... farms	1,025,783	49,379	53,635	81,141	124,104	99,213
Average net gain ..... dollars	81,061	833,031	237,259	134,644	70,091	35,421
Gain of-						
Less than $1,000	103,330	31	89	199	551	1,039
$1,000 to $4,999	222,713	195	366	764	2,414	4,457
$5,000 to $9,999	129,906	231	462	1,039	3,408	6,520
$10,000 to $24,999	173,780	817	1,793	3,806	12,535	25,028
$25,000 to $49,999	122,964	1,737	3,591	7,718	27,320	40,199
$50,000 or more	273,090	46,368	47,334	67,615	77,876	21,970
Operators reporting net losses ..... farms	1,179,009	6,130	7,142	12,232	23,396	26,243
Average net loss ..... dollars	16,075	441,339	162,508	104,363	64,735	40,003
Loss of-						
Less than $1,000	135,011	43	82	214	540	952
$1,000 to $4,999	428,133	159	292	635	1,985	3,441
$5,000 to $9,999	248,731	156	292	684	2,129	3,524
$10,000 to $24,999	228,206	445	849	1,929	4,881	6,956
$25,000 to $49,999	78,919	604	1,063	2,294	4,964	5,436
$50,000 or more	60,009	4,723	4,564	6,476	8,897	5,934
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)						
Total ..... farms	50,572	7,039	8,883	11,218	11,260	4,840
$1,000	4,445,758	1,791,533	1,190,435	867,456	463,541	88,422
INCOME FROM FARM-RELATED SOURCES						
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	693,187	33,052	39,133	60,485	85,977	61,142
$1,000	10,489,874	1,907,039	1,216,252	1,261,517	1,308,299	758,973
Customwork and other agricultural services ..... farms	121,874	10,894	13,404	18,432	20,467	11,806
$1,000	1,875,665	538,439	346,912	307,467	255,294	127,759
Gross cash rent or share payments ..... farms	241,923	5,849	5,768	9,224	16,046	15,805
$1,000	2,883,897	287,022	153,113	193,549	291,527	229,257
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	47,603	951	951	1,425	2,734	2,791
$1,000	594,944	30,609	26,551	27,887	43,202	36,524
Agri-tourism and recreational services (see text) ..... farms	23,350	679	878	1,531	2,509	2,196
$1,000	566,834	47,573	35,840	45,654	80,984	59,438
Patronage dividends and refunds from cooperatives ..... farms	288,196	23,341	28,654	44,040	57,837	34,769
$1,000	854,995	332,304	174,655	153,574	103,144	35,573
Crop and livestock insurance payments received (see text) ..... farms	82,001	8,098	10,803	15,632	18,514	10,013
$1,000	1,676,727	412,789	328,544	358,074	311,031	121,681
Amount from state and local government agricultural program payments (see text) ..... farms	34,410	1,478	1,730	3,184	4,879	3,322
$1,000	145,413	23,570	18,928	23,157	22,346	11,381
Other farm-related income sources (see text) ..... farms	118,939	4,582	5,199	8,040	11,694	8,970
$1,000	1,891,400	234,733	131,710	152,156	200,770	137,359
LAND USE						
Total cropland ..... farms	1,685,339	49,011	56,591	88,805	139,801	116,429
acres	406,424,909	86,875,296	69,907,360	72,040,348	62,619,859	27,764,685
Harvested cropland ..... farms	1,328,004	46,943	55,124	87,084	136,765	112,686
acres	309,607,601	78,844,169	61,689,705	61,497,686	50,096,291	20,447,082
Farms by acres harvested:						
1 to 49 acres	700,266	4,986	4,433	5,725	14,881	21,173
50 to 99 acres	179,055	2,487	2,197	4,051	11,052	14,533
100 to 199 acres	141,875	3,101	3,176	6,610	18,672	37,567
200 to 499 acres	143,776	5,811	7,057	17,493	58,131	34,083
500 to 999 acres	82,211	6,431	9,633	32,373	27,559	4,751
1,000 to 1,999 acres	53,728	8,546	20,434	18,077	5,969	536
2,000 acres or more	27,093	15,581	8,194	2,755	501	43
Cropland-						
For pasture or grazing only ..... farms	404,753	7,871	9,434	15,322	26,488	23,269
acres	35,771,154	2,464,167	2,381,960	3,347,395	4,635,225	3,271,979
On which all crops failed or were abandoned ..... farms	89,587	2,768	3,499	5,440	8,423	6,723
acres	7,405,898	760,991	813,848	1,106,030	1,334,793	742,173
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	360,225	8,632	10,177	14,344	20,308	16,247
acres	37,968,749	2,393,451	2,091,997	2,637,775	3,302,736	2,015,369
In cultivated summer fallow ..... farms	67,960	3,473	4,726	7,010	10,609	7,394
acres	15,671,507	2,412,518	2,929,850	3,451,462	3,250,814	1,288,082

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
NET CASH FARM INCOME (SEE TEXT) - Con.						
Net cash farm income of operators (see text) ....farms	154,732	248,285	218,531	200,302	211,494	688,833
$1,000	1,088,498	-46,697	-680,574	-881,044	-1,048,273	-3,524,815
Average per farm .... dollars	7,035	-188	-3,114	-4,399	-4,957	-5,117
Operators reporting net gains [2] ....farms	111,859	150,611	102,565	66,109	40,218	146,949
Average net gain .... dollars	19,281	9,604	4,952	3,308	3,062	11,569
Gain of-						
Less than $1,000	2,593	9,098	14,972	20,304	22,734	31,720
$1,000 to $4,999	11,579	40,547	58,344	39,058	13,160	51,829
$5,000 to $9,999	16,838	50,038	22,419	3,465	1,995	23,491
$10,000 to $24,999	52,593	45,086	4,924	2,176	1,512	23,510
$25,000 to $49,999	25,154	4,297	1,293	738	530	10,387
$50,000 or more	3,102	1,545	613	368	287	6,012
Operators reporting net losses ....farms	42,873	97,674	115,966	134,193	171,276	541,884
Average net loss .... dollars	24,916	15,288	10,248	8,195	6,839	9,642
Loss of-						
Less than $1,000	2,439	8,169	13,815	19,541	27,092	62,124
$1,000 to $4,999	7,975	26,398	39,869	52,760	75,190	219,429
$5,000 to $9,999	7,473	21,371	26,890	29,533	36,068	120,611
$10,000 to $24,999	12,519	26,220	25,560	24,560	25,924	98,363
$25,000 to $49,999	7,178	10,379	7,166	5,914	5,455	28,466
$50,000 or more	5,289	5,137	2,666	1,885	1,547	12,891
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)						
Total ....farms	2,883	1,964	1,081	531	374	499
$1,000	26,291	7,836	3,004	544	228	6,468
INCOME FROM FARM-RELATED SOURCES						
Total income from farm-related sources, gross before taxes and expenses (see text) ....farms	62,228	78,089	50,869	39,148	35,743	147,321
$1,000	653,589	662,093	343,189	228,717	192,961	1,957,245
Customwork and other agricultural services ....farms	10,916	12,746	6,925	5,192	4,377	6,715
$1,000	101,230	93,505	36,336	19,862	13,358	35,502
Gross cash rent or share payments ....farms	18,902	26,317	19,812	15,960	15,156	93,084
$1,000	195,246	191,645	106,328	73,501	60,970	1,101,737
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ....farms	3,914	6,724	5,442	4,720	4,618	13,333
$1,000	46,987	75,373	50,291	37,090	32,354	188,077
Agri-tourism and recreational services (see text) ....farms	2,446	3,066	1,657	1,308	1,148	5,932
$1,000	60,039	63,526	31,485	14,557	18,970	108,769
Patronage dividends and refunds from cooperatives ....farms	28,983	27,618	13,157	7,942	5,832	16,023
$1,000	20,570	15,043	4,894	2,786	1,996	10,457
Crop and livestock insurance payments received (see text) ....farms	7,146	5,641	2,096	1,234	770	2,054
$1,000	65,030	40,953	12,264	5,453	3,037	17,871
Amount from state and local government agricultural program payments (see text) ....farms	3,549	4,469	2,846	1,779	1,442	5,732
$1,000	10,567	9,515	4,787	2,531	2,211	16,420
Other farm-related income sources (see text) ....farms	10,133	14,974	10,591	8,758	8,322	27,676
$1,000	153,920	172,534	96,804	72,936	60,065	478,411
LAND USE						
Total cropland ....farms	139,166	210,530	172,896	146,623	134,741	430,746
acres	19,136,288	16,942,884	8,603,175	5,325,175	3,833,699	33,376,140
Harvested cropland ....farms	132,934	196,147	155,774	127,530	111,356	165,661
acres	13,100,556	10,802,344	5,193,034	3,013,852	2,003,867	2,919,015
Farms by acres harvested:						
1 to 49 acres	41,764	112,092	122,559	112,882	104,097	155,674
50 to 99 acres	39,115	55,015	25,442	11,768	5,923	7,472
100 to 199 acres	37,449	23,186	6,544	2,512	1,161	1,897
200 to 499 acres	13,476	5,542	1,171	341	170	501
500 to 999 acres	1,018	273	55	23	5	90
1,000 to 1,999 acres	99	36	3	4	-	24
2,000 acres or more	13	3	-	-	-	3
Cropland-						
For pasture or grazing only ....farms	29,872	49,413	43,576	38,815	38,644	122,049
acres	3,074,574	3,445,622	1,966,272	1,335,527	1,014,477	8,833,956
On which all crops failed or were abandoned ....farms	7,876	11,148	8,146	6,752	6,047	22,765
acres	565,069	544,065	265,548	169,811	122,928	980,642
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ....farms	17,865	25,798	20,314	17,900	17,686	190,954
acres	1,721,670	1,736,522	1,009,293	715,564	633,075	19,711,297
In cultivated summer fallow ....farms	6,933	7,705	4,782	3,129	2,512	9,687
acres	674,419	414,331	169,028	90,421	59,352	931,230

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
LAND USE - Con.						
Total woodland ..... farms	843,294	15,723	17,726	26,972	45,491	42,383
acres	75,098,603	3,982,664	3,740,939	5,888,401	6,905,070	6,547,327
Woodland pastured ..... farms	370,297	5,149	6,051	9,843	18,000	19,265
acres	28,609,690	1,537,623	1,802,929	2,623,457	3,319,502	3,433,738
Woodland not pastured ..... farms	596,123	12,851	14,349	21,676	35,422	30,430
acres	46,488,913	2,445,041	1,938,010	3,264,944	3,585,568	3,113,589
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ..... farms	1,132,606	19,089	23,902	40,581	69,791	62,672
acres	408,832,116	48,928,228	43,216,751	59,617,050	74,190,836	40,287,217
Land in house lots, ponds, roads, wasteland, etc. ..... farms	1,126,272	34,413	36,371	55,050	84,950	67,776
acres	31,740,212	4,174,342	2,554,731	3,193,543	3,856,538	3,555,353
Irrigated land ..... farms	301,028	22,504	19,280	24,813	34,168	25,996
acres	56,599,305	25,097,229	10,663,982	8,297,405	5,960,467	2,320,414
Harvested cropland ..... farms	256,105	22,003	18,959	24,344	33,175	24,720
acres	51,537,104	24,167,741	10,151,530	7,777,160	5,144,783	1,824,250
Pastureland and other land ..... farms	72,585	1,994	1,608	2,335	4,171	4,090
acres	5,062,201	929,488	512,452	520,245	815,684	496,164
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ..... farms	346,231	9,558	13,027	19,445	25,521	18,088
acres	38,547,450	1,488,254	1,822,932	2,424,931	3,420,140	2,214,418
Land enrolled in crop insurance programs (see text) ..... farms	349,408	29,067	37,537	57,591	76,785	48,395
acres	222,267,817	59,443,914	50,117,678	49,666,610	38,304,885	12,607,615
ORGANIC AGRICULTURE						
Land used for organic production (see text) ..... farms	20,437	723	560	994	2,147	1,838
acres	2,577,418	356,565	307,476	420,935	583,314	374,021
Total organic product sales (see text) ..... farms	18,211	694	537	940	1,994	1,732
$1,000	1,709,111	955,939	180,807	204,082	206,103	76,388
VALUE OF LAND AND BUILDINGS						
Estimated market value of land and buildings ..... farms	2,204,792	55,509	60,777	93,373	147,500	125,456
$1,000	1,744,295,252	323,335,086	209,232,988	218,349,654	214,175,106	121,585,055
Average per farm ..... dollars	791,138	5,824,913	3,442,634	2,338,467	1,452,035	969,145
Average per acre ..... dollars	1,892	2,246	1,752	1,551	1,451	1,556
Farms by value group:						
$1 to $49,999	223,182	708	582	826	2,127	3,161
$50,000 to $99,999	212,783	510	545	833	2,214	3,491
$100,000 to $199,999	374,783	1,040	1,184	2,103	5,794	8,706
$200,000 to $499,999	631,939	3,016	4,185	7,856	22,794	33,240
$500,000 to $999,999	371,783	5,581	6,506	14,007	38,793	41,821
$1,000,000 to $1,999,999	206,282	8,726	10,922	25,796	47,033	23,780
$2,000,000 to $4,999,999	132,549	15,561	23,550	35,323	24,505	9,142
$5,000,000 to $9,999,999	36,072	11,673	11,194	5,218	3,000	1,513
$10,000,000 or more	15,419	8,694	2,109	1,411	1,240	602
VALUE OF MACHINERY AND EQUIPMENT						
Estimated market value of all machinery and equipment ..... farms	2,204,513	55,506	60,777	93,370	147,491	125,453
$1,000	194,783,471	37,880,162	24,171,045	25,728,486	24,533,360	13,013,069
Farms by value group:						
$1 to $4,999	195,820	58	105	140	648	1,931
$5,000 to $9,999	217,460	175	288	353	1,278	3,018
$10,000 to $19,999	351,088	558	875	1,243	4,006	8,022
$20,000 to $49,999	598,289	2,603	3,204	4,855	16,256	28,005
$50,000 to $99,999	366,768	4,478	4,620	9,232	32,485	36,954
$100,000 to $199,999	232,001	7,178	8,399	23,117	49,560	31,152
$200,000 to $499,999	175,152	14,594	25,347	42,217	36,770	14,261
$500,000 or more	67,935	25,862	17,939	12,213	6,488	2,110
SELECTED MACHINERY AND EQUIPMENT						
Trucks, including pickups (see text) ..... farms	1,783,324	54,051	59,208	89,912	137,386	107,080
number	3,512,538	318,442	243,600	306,394	376,743	243,973
Tractors ..... farms	1,844,647	49,699	55,115	85,611	132,824	114,079
number	4,389,812	308,021	261,713	370,468	495,046	355,343
Less than 40 horsepower (PTO) ..... farms	910,937	19,040	19,846	31,209	51,124	47,148
number	1,280,039	45,886	35,072	52,584	83,507	74,660
40 to 99 horsepower (PTO) ..... farms	1,238,101	37,543	39,749	62,692	99,319	86,826
number	1,998,508	111,820	86,099	130,020	201,617	166,803
100 horsepower (PTO) or more ..... farms	555,941	36,206	44,269	71,692	100,840	67,478
number	1,111,265	150,315	140,542	187,864	209,922	113,880
Grain and bean combines, self-propelled ..... farms	295,490	22,610	33,847	53,687	65,665	38,135
number	346,935	32,998	41,945	63,118	75,341	43,240

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
LAND USE - Con.						
Total woodland ....farms	60,852	107,730	93,893	83,665	84,520	264,339
acres	6,271,959	8,609,677	5,625,641	4,104,441	3,482,185	19,940,299
Woodland pastured ....farms	30,155	56,914	48,719	41,093	39,545	95,563
acres	2,787,554	3,657,081	2,125,913	1,421,136	1,048,498	4,852,259
Woodland not pastured ....farms	41,436	70,318	61,210	55,376	56,828	196,227
acres	3,484,405	4,952,596	3,499,728	2,683,305	2,433,687	15,088,040
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ....farms	83,540	145,001	126,235	112,382	120,012	329,401
acres	32,330,109	37,678,650	11,854,080	6,916,610	5,371,313	48,441,272
Land in house lots, ponds, roads, wasteland, etc. ....farms	80,823	127,166	108,624	100,493	107,562	323,044
acres	2,047,983	2,608,176	1,540,049	1,140,147	1,004,342	6,065,008
Irrigated land ....farms	27,829	37,193	27,246	23,469	21,500	37,030
acres	1,413,537	1,058,095	466,128	304,320	207,977	809,751
Harvested cropland ....farms	25,788	33,071	22,786	18,507	14,990	17,762
acres	1,021,537	683,512	293,368	163,882	103,119	206,222
Pastureland and other land ....farms	5,057	8,212	7,387	7,275	8,414	22,042
acres	392,000	374,583	172,760	140,438	104,858	603,529
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ....farms	17,610	20,461	13,429	10,497	9,307	189,288
acres	1,987,502	1,856,005	1,023,734	652,699	543,643	21,113,192
Land enrolled in crop insurance programs (see text) ....farms	36,621	27,166	11,407	6,174	3,523	15,142
acres	5,659,018	2,882,113	873,572	357,330	174,600	2,180,482
ORGANIC AGRICULTURE						
Land used for organic production (see text) ....farms	2,305	3,304	2,605	2,173	1,888	1,900
acres	175,623	156,852	85,857	40,406	33,754	42,615
Total organic product sales (see text) ....farms	2,144	3,045	2,393	1,927	1,691	1,114
$1,000	42,625	26,842	9,419	4,405	2,029	472
VALUE OF LAND AND BUILDINGS						
Estimated market value of land and buildings ....farms	154,732	248,285	218,531	200,302	211,494	688,833
$1,000	107,181,040	125,305,008	78,998,277	60,905,894	55,489,283	229,737,861
Average per farm .... dollars	692,688	504,682	361,497	304,070	262,368	333,518
Average per acre .... dollars	1,793	1,903	2,860	3,483	4,053	2,131
Farms by value group:						
$1 to $49,999	6,102	15,472	22,333	27,932	36,731	107,208
$50,000 to $99,999	7,144	19,305	24,880	26,180	30,296	97,385
$100,000 to $199,999	18,434	43,525	46,640	46,124	49,982	151,251
$200,000 to $499,999	54,825	91,742	76,598	65,463	64,972	207,248
$500,000 to $999,999	41,005	51,376	34,557	26,022	23,142	88,973
$1,000,000 to $1,999,999	19,117	20,200	10,835	6,991	5,288	27,594
$2,000,000 to $4,999,999	6,714	5,634	2,375	1,373	921	7,451
$5,000,000 to $9,999,999	1,015	731	228	154	111	1,235
$10,000,000 or more	376	300	85	63	51	488
VALUE OF MACHINERY AND EQUIPMENT						
Estimated market value of all machinery and equipment ....farms	154,723	248,271	218,518	200,298	211,477	688,629
$1,000	11,799,043	13,530,016	9,026,270	6,768,308	6,076,606	22,257,105
Farms by value group:						
$1 to $4,999	4,464	12,225	17,039	22,358	32,941	103,911
$5,000 to $9,999	6,694	17,317	22,033	26,762	32,688	106,854
$10,000 to $19,999	15,872	37,110	42,889	43,922	46,750	149,841
$20,000 to $49,999	45,165	86,327	77,511	66,313	65,443	202,607
$50,000 to $99,999	43,795	59,188	39,633	28,773	23,641	83,969
$100,000 to $199,999	27,256	26,235	14,169	8,773	7,213	28,949
$200,000 to $499,999	10,184	9,154	4,941	3,229	2,720	11,735
$500,000 or more	1,293	715	303	168	81	763
SELECTED MACHINERY AND EQUIPMENT						
Trucks, including pickups (see text) ....farms	131,433	210,214	181,035	160,844	165,636	486,525
number	256,448	356,824	275,692	230,647	227,754	676,021
Tractors ....farms	138,321	219,029	188,479	166,438	167,800	527,252
number	367,426	489,490	363,363	289,103	265,866	823,973
Less than 40 horsepower (PTO) ....farms	60,428	102,893	95,022	91,207	97,042	295,978
number	91,373	147,523	130,064	120,567	124,090	374,713
40 to 99 horsepower (PTO) ....farms	106,303	165,968	134,645	107,988	98,967	298,101
number	191,275	269,612	196,305	146,410	125,900	372,647
100 horsepower (PTO) or more ....farms	57,546	54,620	29,593	18,403	13,562	61,732
number	84,778	72,355	36,994	22,126	15,876	76,613
Grain and bean combines, self-propelled ....farms	28,728	23,225	11,285	6,410	4,090	7,808
number	32,220	25,649	12,334	6,999	4,445	8,646

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
SELECTED MACHINERY AND EQUIPMENT - Con.						
Cotton pickers and strippers, self-propelled ..... farms	12,500	2,338	2,833	2,725	2,410	836
number	18,162	4,341	4,174	3,792	3,146	1,066
Forage harvesters, self-propelled ..... farms	60,133	4,164	4,077	7,134	9,999	6,158
number	64,191	5,145	4,598	7,772	10,747	6,575
Hay balers ..... farms	593,543	13,442	17,913	34,374	59,730	50,625
number	727,501	17,362	22,457	43,129	74,995	64,043
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners ..... farms	1,022,036	41,970	50,931	81,255	124,184	97,978
acres treated	265,995,497	69,860,537	53,882,773	52,631,686	42,126,145	17,388,113
Manure ..... farms	307,073	19,680	19,055	28,989	41,121	26,508
acres treated	22,096,315	6,598,821	3,317,372	3,400,971	3,174,350	1,496,517
Acres treated with chemicals to control-						
Insects ..... farms	354,357	30,393	32,350	46,589	61,760	41,176
acres	90,947,822	34,004,002	19,961,423	16,762,034	11,777,070	3,906,815
Weeds, grass, or brush ..... farms	703,884	35,806	42,751	68,435	101,516	74,494
acres	226,295,783	61,606,424	48,729,147	47,707,967	36,384,278	13,137,636
Nematodes ..... farms	34,992	4,026	3,513	4,799	6,529	4,098
acres	7,560,158	2,818,008	1,569,778	1,347,607	1,080,425	357,258
Diseases in crops and orchards ..... farms	97,333	11,126	10,328	12,966	15,091	10,065
acres	22,693,212	10,632,412	5,078,365	3,704,827	2,057,396	633,095
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms	44,638	5,862	5,454	6,056	7,354	4,445
acres treated	12,125,799	5,480,576	2,979,334	1,971,553	1,136,349	269,805
TENURE						
Full owners ..... farms	1,522,033	19,300	15,814	22,416	48,308	57,099
Part owners ..... farms	542,192	30,380	38,675	60,651	81,045	53,852
Tenants ..... farms	140,567	5,829	6,288	10,306	18,147	14,505
OWNED AND RENTED LAND						
Land owned ..... farms	2,072,101	49,826	54,717	83,491	130,279	112,020
acres	646,247,118	77,643,754	62,050,835	77,574,592	88,844,392	54,294,000
Owned land in farms ..... farms	2,064,225	49,680	54,489	83,067	129,353	110,951
acres	571,303,487	74,498,390	59,653,410	73,930,453	82,796,940	48,951,818
Land rented or leased from others ..... farms	689,102	36,402	45,086	71,193	99,725	68,858
acres	355,918,954	70,202,500	60,193,544	67,400,881	65,475,220	29,812,881
Rented or leased land in farms ..... farms	682,759	36,209	44,963	70,957	99,192	68,357
acres	350,792,353	69,462,140	59,766,371	66,808,889	64,775,363	29,202,764
Land rented or leased to others ..... farms	314,140	6,737	6,377	10,061	17,985	18,567
acres	80,070,232	3,885,724	2,824,598	4,236,131	6,747,309	5,952,299
NUMBER OF OPERATORS						
Total operators ..... number	3,337,450	112,157	104,226	149,651	225,554	186,658
Farms by number of operators:						
1 operator	1,273,122	21,851	29,382	50,527	86,131	75,703
2 operators	786,598	20,592	22,636	32,655	48,649	40,968
3 operators	112,285	8,473	6,673	8,066	10,195	7,087
4 operators	22,529	2,651	1,504	1,551	1,786	1,207
5 or more operators	10,258	1,942	582	574	739	491
Total women operators ..... number	1,008,943	21,222	20,887	31,188	49,586	43,367
Farms by number of women operators:						
1 operator	894,347	16,464	18,100	27,418	43,707	38,623
2 operators	45,408	1,521	1,092	1,477	2,301	1,935
3 operators	5,439	307	120	178	293	209
4 operators	1,017	78	27	32	62	37
5 or more operators	546	70	23	18	22	18
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male	1,898,583	53,531	58,442	89,807	140,002	116,345
Female	306,209	1,978	2,335	3,566	7,498	9,111
Primary occupation:						
Farming	993,881	50,308	55,450	83,487	118,588	83,757
Other	1,210,911	5,201	5,327	9,886	28,912	41,699
Place of residence:						
On farm operated	1,693,362	40,080	48,925	76,722	118,347	96,006
Not on farm operated	511,430	15,429	11,852	16,651	29,153	29,450
Days worked off farm:						
None	777,747	38,304	40,490	57,081	75,732	50,902
Any	1,427,045	17,205	20,287	36,292	71,768	74,554
1 to 49 days	238,479	3,480	5,139	9,497	14,524	11,818
50 to 99 days	115,578	1,261	1,758	3,583	7,141	6,811
100 to 199 days	196,687	1,837	2,506	5,382	12,440	12,835
200 days or more	876,301	10,627	10,884	17,830	37,663	43,090
Years on present farm:						
2 years or less	84,883	1,131	839	1,349	2,686	2,984
3 or 4 years	138,858	1,704	1,286	2,035	4,444	4,894
5 to 9 years	359,545	4,968	4,240	7,004	13,612	14,083

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
SELECTED MACHINERY AND EQUIPMENT - Con.						
Cotton pickers and strippers, self-propelled ....farms	516	333	158	83	51	217
number	637	390	191	95	61	269
Forage harvesters, self-propelled ....farms	5,799	6,676	4,403	3,282	2,680	5,761
number	6,077	6,905	4,509	3,333	2,709	5,821
Hay balers ....farms	61,525	93,616	71,371	54,470	46,534	89,943
number	77,920	117,407	87,889	65,284	54,373	102,642
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners ....farms	109,798	149,785	106,545	80,461	65,426	113,703
acres treated	11,276,930	8,843,977	3,779,509	1,917,506	1,146,458	3,141,863
Manure ....farms	27,205	37,105	27,472	21,566	19,690	38,682
acres treated	1,186,059	1,152,762	599,008	353,696	258,201	558,558
Acres treated with chemicals to control-						
Insects ....farms	36,200	36,400	20,433	14,610	11,447	22,999
acres	1,986,153	1,136,411	403,104	206,215	122,802	681,793
Weeds, grass, or brush ....farms	74,806	89,737	58,469	43,041	35,886	78,943
acres	7,235,432	4,931,845	1,910,297	981,069	633,255	3,038,433
Nematodes ....farms	3,498	3,119	1,747	1,125	819	1,719
acres	175,343	99,706	31,781	13,661	9,123	57,468
Diseases in crops and orchards ....farms	9,749	10,512	6,161	4,251	2,893	4,191
acres	294,350	162,367	52,991	30,052	12,549	34,808
Chemicals used to control growth, thin fruit, ripen, or defoliate ....farms	4,147	4,156	2,350	1,669	1,230	1,915
acres treated	138,464	78,771	27,178	12,244	8,740	22,785
TENURE						
Full owners ....farms	86,319	161,103	159,154	157,947	177,005	617,568
Part owners ....farms	53,926	69,712	46,345	32,496	25,551	49,559
Tenants ....farms	14,487	17,470	13,032	9,859	8,938	21,706
OWNED AND RENTED LAND						
Land owned ....farms	141,334	231,826	206,107	190,889	202,883	668,729
acres	45,694,814	55,288,984	24,126,197	15,873,699	12,808,880	132,046,971
Owned land in farms ....farms	140,245	230,815	205,499	190,443	202,556	667,127
acres	39,948,040	49,647,052	20,956,986	13,789,825	11,119,646	96,010,927
Land rented or leased from others ....farms	68,997	87,963	60,008	42,858	34,960	73,052
acres	20,242,000	16,576,041	6,890,710	3,790,834	2,669,897	12,664,446
Rented or leased land in farms ....farms	68,413	87,182	59,377	42,355	34,489	71,265
acres	19,838,299	16,192,335	6,665,959	3,696,548	2,571,893	11,811,792
Land rented or leased to others ....farms	23,326	34,570	27,070	22,356	21,345	125,746
acres	6,150,475	6,025,638	3,393,962	2,178,160	1,787,238	36,888,698
NUMBER OF OPERATORS						
Total operators ....number	229,925	370,177	324,139	297,678	317,982	1,019,303
Farms by number of operators:						
1 operator	93,195	146,670	128,702	115,883	118,493	406,585
2 operators	51,197	86,488	78,067	74,642	83,144	247,560
3 operators	8,302	11,975	9,227	7,720	7,713	26,854
4 operators	1,430	2,254	1,783	1,508	1,520	5,335
5 or more operators	608	898	752	549	624	2,499
Total women operators ....number	58,695	105,212	99,096	96,528	110,327	372,835
Farms by number of women operators:						
1 operator	52,173	93,872	88,549	86,846	99,110	329,485
2 operators	2,634	4,590	4,198	3,921	4,556	17,183
3 operators	323	516	502	448	487	2,056
4 operators	43	75	107	76	84	396
5 or more operators	20	55	41	24	50	205
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male	140,238	220,226	189,713	171,676	177,186	541,417
Female	14,494	28,059	28,818	28,626	34,308	147,416
Primary occupation:						
Farming	87,536	115,134	84,944	68,479	64,739	181,459
Other	67,196	133,151	133,587	131,823	146,755	507,374
Place of residence:						
On farm operated	117,788	194,206	174,586	163,714	176,912	486,076
Not on farm operated	36,944	54,079	43,945	36,588	34,582	202,757
Days worked off farm:						
None	54,693	77,789	62,517	54,461	53,195	212,583
Any	100,039	170,496	156,014	145,841	158,299	476,250
1 to 49 days	14,565	23,938	22,879	22,735	25,243	84,661
50 to 99 days	9,018	14,812	13,262	12,184	12,448	33,300
100 to 199 days	16,750	27,338	23,169	20,386	20,747	53,297
200 days or more	59,706	104,408	96,704	90,536	99,861	304,992
Years on present farm:						
2 years or less	4,536	7,909	7,773	8,313	10,168	37,195
3 or 4 years	7,041	13,126	14,137	14,822	18,460	56,909
5 to 9 years	20,073	37,309	38,258	38,410	45,420	136,168

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Years on present farm - Con.						
10 years or more	1,621,506	47,706	54,412	82,985	126,758	103,495
Average years on present farm	21.6	25.1	27.0	27.5	27.2	26.3
Age group:						
Under 25 years	11,878	147	182	522	1,209	903
25 to 34 years	106,735	2,647	3,085	5,782	10,332	7,877
35 to 44 years	268,818	9,143	9,314	13,377	18,891	14,427
45 to 49 years	256,694	9,109	9,420	13,685	18,537	13,737
50 to 54 years	308,707	10,274	11,426	16,411	22,539	16,661
55 to 59 years	312,577	8,611	9,914	14,440	21,588	17,011
60 to 64 years	283,729	6,244	7,104	11,246	18,012	15,861
65 to 69 years	235,152	4,250	4,711	7,965	14,048	13,604
70 years and over	420,502	5,084	5,621	9,945	22,344	25,375
Average age	57.1	53.3	53.6	53.9	55.1	57.0
Spanish, Hispanic, or Latino origin (see text)	55,570	1,027	810	1,210	2,225	2,595
Race:						
American Indian or Alaska Native	34,706	218	197	394	796	954
Asian	11,214	854	561	574	928	943
Black or African American	30,599	110	129	139	357	696
Native Hawaiian or Other Pacific Islander	1,356	20	10	30	42	59
White	2,114,325	54,207	59,709	92,002	144,937	122,274
More than one race reported	12,592	100	171	234	440	530
Farms by number of persons living in operator's household:						
1 person	275,842	3,757	4,610	8,268	16,323	15,993
2 people	1,108,995	24,031	27,067	42,711	70,386	63,565
3 people	330,188	8,767	9,830	14,838	22,231	18,339
4 people	285,919	9,896	10,238	14,526	20,280	15,106
5 or more people	203,848	9,058	9,032	13,030	18,280	12,453
Percent of operator's total household income from farming:						
Less than 25 percent	1,583,710	7,392	7,741	14,743	37,151	49,863
25 to 49 percent	174,800	4,184	4,971	9,505	20,120	21,982
50 to 74 percent	187,421	9,893	12,562	19,980	32,837	26,090
75 to 99 percent	147,092	17,104	18,266	26,029	31,828	17,423
100 percent	111,769	16,936	17,237	23,116	25,564	10,098
Operator is a hired manager ... farms	59,759	7,891	5,227	5,900	7,059	4,620
acres	120,672,499	31,057,540	15,614,933	15,181,470	12,109,422	6,752,241
Farms with-						
Internet access	1,246,723	45,715	47,071	67,796	94,070	73,002
High-speed internet access	726,700	33,259	31,744	42,822	55,357	41,964
Farms by number of households sharing in net income of farm:						
1 household	1,733,827	29,325	37,774	63,771	107,393	92,938
2 households	356,707	14,327	15,048	20,756	29,790	24,778
3 households	66,438	6,884	4,925	5,554	6,251	4,632
4 households	30,004	2,768	1,736	1,918	2,388	2,028
5 households or more	17,816	2,205	1,294	1,374	1,678	1,080
FARMS BY TYPE OF ORGANIZATION						
Family or individual ... farms	1,906,335	26,997	38,765	68,762	118,532	104,852
acres	574,150,050	52,026,025	63,871,333	87,856,779	103,846,180	57,034,809
Partnership ... farms	174,247	13,570	10,616	12,432	15,478	12,406
acres	161,416,999	48,782,270	26,570,220	24,625,760	22,273,114	10,479,009
Registered under state law ... farms	89,739	10,849	7,398	8,004	9,046	6,591
acres	114,284,815	39,865,528	19,394,556	16,583,739	15,148,187	6,612,908
Corporation ... farms	96,074	14,424	10,895	11,371	11,788	6,591
acres	125,319,810	39,425,049	25,517,345	23,566,272	17,137,723	6,094,618
Family held ... farms	85,837	12,604	10,213	10,710	10,946	5,999
acres	114,264,200	33,758,068	24,124,719	22,654,929	16,392,117	5,668,087
More than 10 stockholders ... farms	2,041	551	182	181	179	125
10 or less stockholders ... farms	83,796	12,053	10,031	10,529	10,767	5,874
Other than family held ... farms	10,237	1,820	682	661	842	592
acres	11,055,610	5,666,981	1,392,626	911,343	745,606	426,531
More than 10 stockholders ... farms	907	364	51	44	46	44
10 or less stockholders ... farms	9,330	1,456	631	617	796	548
Other-cooperative, estate or trust, institutional, etc ... farms	28,136	518	501	808	1,702	1,607
acres	61,208,981	3,727,186	3,460,883	4,690,531	4,315,286	4,546,146
HIRED FARM LABOR						
Hired farm labor ... farms	482,186	44,953	42,365	54,969	66,394	41,295
workers	2,636,509	1,069,318	276,618	261,295	264,226	145,671
Workers by days worked:						
150 days or more ... farms	201,292	38,499	30,670	33,699	32,663	14,857
workers	911,439	518,267	106,939	89,574	73,381	30,077
Less than 150 days ... farms	384,051	29,662	29,507	39,049	49,630	33,298
workers	1,725,070	551,051	169,679	171,721	190,845	115,594

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Years on present farm - Con.						
10 years or more	123,082	189,941	158,363	138,757	137,446	458,561
Average years on present farm	24.9	22.9	20.8	19.3	17.7	18.9
Age group:						
Under 25 years	1,148	1,476	1,220	1,200	1,325	2,546
25 to 34 years	8,817	12,142	10,322	9,282	10,635	25,814
35 to 44 years	16,436	26,631	25,128	25,082	29,295	81,094
45 to 49 years	15,796	25,257	23,294	22,980	26,322	78,557
50 to 54 years	19,276	31,575	28,807	27,402	30,118	94,218
55 to 59 years	20,729	33,751	30,213	28,044	30,282	97,994
60 to 64 years	20,017	32,448	29,128	26,141	27,007	90,521
65 to 69 years	17,891	29,233	25,231	22,182	21,733	74,304
70 years and over	34,622	55,772	45,188	37,989	34,777	143,785
Average age	58.0	58.3	57.8	57.1	56.0	58.1
Spanish, Hispanic, or Latino origin (see text)	3,573	6,224	5,798	6,076	6,949	19,083
Race:						
American Indian or Alaska Native	1,514	3,143	3,563	3,980	4,946	15,001
Asian	1,054	1,543	1,132	911	897	1,817
Black or African American	1,302	3,251	3,991	4,098	4,400	12,126
Native Hawaiian or Other Pacific Islander	85	197	145	161	238	369
White	149,991	238,457	208,258	189,679	199,418	655,393
More than one race reported	786	1,694	1,442	1,473	1,595	4,127
Farms by number of persons living in operator's household:						
1 person	19,798	31,614	26,749	23,737	23,774	101,219
2 people	81,143	132,740	114,700	102,219	103,615	346,818
3 people	22,156	35,402	32,777	31,087	34,447	100,314
4 people	18,061	28,893	26,777	25,968	29,654	86,520
5 or more people	13,574	19,636	17,528	17,291	20,004	53,962
Percent of operator's total household income from farming:						
Less than 25 percent	85,286	182,905	187,689	182,816	198,051	630,073
25 to 49 percent	27,607	32,483	16,009	7,860	5,324	24,755
50 to 74 percent	23,991	20,329	9,256	6,000	5,371	21,112
75 to 99 percent	11,890	8,268	3,563	2,282	1,703	8,736
100 percent	5,958	4,300	2,014	1,344	1,045	4,157
Operator is a hired manager ... farms	4,097	5,020	3,442	2,633	2,430	11,440
acres	5,670,391	13,368,579	1,188,429	480,012	357,563	18,891,919
Farms with-						
Internet access	85,825	134,899	117,243	110,220	120,764	350,118
High-speed internet access	49,165	75,167	64,822	60,936	66,841	204,623
Farms by number of households sharing in net income of farm:						
1 household	117,071	193,453	174,873	164,265	176,560	576,404
2 households	29,398	44,003	35,534	29,676	28,509	84,888
3 households	4,763	6,233	4,727	3,556	3,544	15,369
4 households	2,340	3,094	2,345	1,900	1,995	7,492
5 households or more	1,160	1,502	1,052	905	886	4,680
FARMS BY TYPE OF ORGANIZATION						
Family or individual ... farms	133,355	221,162	199,717	185,236	198,056	610,901
acres	45,573,486	44,849,085	23,578,056	15,371,977	12,042,462	68,099,858
Partnership ... farms	13,689	18,071	12,980	10,448	9,326	45,231
acres	6,830,905	5,824,042	2,241,917	1,249,240	822,531	11,717,991
Registered under state law ... farms	6,877	8,152	5,298	4,014	3,416	20,094
acres	4,197,663	3,206,547	1,102,960	629,522	378,288	7,164,917
Corporation ... farms	5,995	6,679	4,039	3,200	2,741	18,351
acres	3,032,358	2,487,794	838,158	534,598	418,135	6,267,760
Family held ... farms	5,413	5,946	3,562	2,771	2,350	15,323
acres	2,785,499	2,215,038	690,518	454,628	356,831	5,163,766
More than 10 stockholders ... farms	108	106	62	49	43	455
10 or less stockholders ... farms	5,305	5,840	3,500	2,722	2,307	14,868
Other than family held ... farms	582	733	477	429	391	3,028
acres	246,859	272,756	147,640	79,970	61,304	1,103,994
More than 10 stockholders ... farms	22	34	18	18	14	252
10 or less stockholders ... farms	560	699	459	411	377	2,776
Other-cooperative, estate or trust, institutional, etc ... farms	1,693	2,373	1,795	1,418	1,371	14,350
acres	4,349,590	12,678,466	964,814	330,558	408,411	21,737,110
HIRED FARM LABOR						
Hired farm labor ... farms	42,479	54,055	36,326	26,762	22,381	50,207
workers	134,062	153,750	92,951	64,790	51,617	122,211
Workers by days worked:						
150 days or more ... farms	11,785	11,839	6,417	4,671	3,724	12,468
workers	22,788	22,044	11,577	8,337	6,214	22,241
Less than 150 days ... farms	35,839	47,338	32,684	24,074	20,178	42,792
workers	111,274	131,706	81,374	56,453	45,403	99,970

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
HIRED FARM LABOR - Con.						
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	6,862	4,554	5,075	6,139	3,496
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	176	235	463	1,080	1,078
FARMS BY SIZE						
1 to 9 acres	232,849	1,260	1,478	1,928	3,786	4,022
10 to 49 acres	620,283	4,851	3,856	4,219	8,604	11,831
50 to 69 acres	153,862	1,572	1,105	1,450	3,395	3,116
70 to 99 acres	192,043	1,865	1,357	2,025	4,664	5,262
100 to 139 acres	175,146	1,875	1,519	2,393	5,013	8,724
140 to 179 acres	139,479	1,509	1,320	2,086	5,680	12,657
180 to 219 acres	87,502	1,298	1,201	1,924	5,851	9,965
220 to 259 acres	68,313	1,166	1,167	1,980	6,853	9,096
260 to 499 acres	212,553	5,104	4,842	11,476	40,252	28,020
500 to 999 acres	149,713	6,883	8,806	29,210	33,611	17,374
1,000 to 1,999 acres	92,656	8,559	19,000	20,923	15,501	8,960
2,000 acres or more	80,393	19,567	15,126	13,759	14,290	6,429
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)						
Oilseed and grain farming (1111)	338,237	13,095	27,133	46,515	67,388	49,041
Vegetable and melon farming (1112)	40,589	2,640	1,180	1,284	2,055	2,631
Fruit and tree nut farming (1113)	98,281	3,199	2,726	4,239	8,116	8,931
Greenhouse, nursery, and floriculture production (1114)	54,889	2,917	1,994	2,615	5,461	4,409
Other crop farming (1119)	519,893	3,319	4,567	6,160	10,293	11,195
Tobacco farming (11191)	9,626	151	361	619	1,138	1,345
Cotton farming (11192)	9,968	1,012	1,713	1,943	2,117	973
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	2,156	2,493	3,598	7,038	8,877
Beef cattle ranching and farming (112111)	656,475	3,646	5,042	10,819	25,547	35,238
Cattle feedlots (112112)	31,065	2,939	1,289	1,579	2,303	2,221
Dairy cattle and milk production (11212)	57,318	5,978	5,391	11,811	18,673	6,031
Hog and pig farming (1122)	30,546	5,051	3,172	2,303	2,117	1,086
Poultry and egg production (1123)	64,570	11,581	7,146	4,434	1,944	503
Sheep and goat farming (1124)	67,254	53	91	156	456	569
Animal aquaculture and other animal production (1125, 1129)	245,675	1,091	1,046	1,458	3,147	3,601
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited resource farms ..... farms	308,837	-	-	-	-	11,172
acres	42,419,764	-	-	-	-	6,780,181
Retirement farms ..... farms	456,093	-	-	-	14,483	21,387
acres	89,580,775	-	-	-	11,884,242	10,541,023
Residential/lifestyle farms ..... farms	801,844	-	-	-	24,081	33,307
acres	121,143,585	-	-	-	17,274,270	14,924,253
Farming occupation/lower sales ..... farms	258,899	-	-	-	-	53,321
acres	87,190,445	-	-	-	-	37,224,506
Farming occupation/higher sales ..... farms	100,126	-	-	-	100,126	-
acres	104,081,344	-	-	-	104,081,344	-
Large family farms ..... farms	86,551	-	-	86,551	-	-
acres	123,024,138	-	-	123,024,138	-	-
Very large family farms ..... farms	101,265	46,434	54,831	-	-	-
acres	211,224,012	109,330,140	101,893,872	-	-	-
Non-family farms ..... farms	91,177	9,075	5,946	6,822	8,810	6,269
acres	143,431,777	34,630,390	17,525,909	17,715,204	14,332,447	8,684,619
LIVESTOCK						
Cattle and calves inventory ..... farms	963,669	24,893	26,800	45,616	75,570	65,543
number	96,347,858	33,356,528	9,368,287	11,460,790	12,650,580	7,558,014
Farms with-						
1 to 9	233,078	622	883	1,230	2,285	3,033
10 to 49	415,493	2,943	3,788	5,673	12,007	16,596
50 to 99	135,117	2,173	2,965	5,808	19,869	16,800
100 to 199	91,193	2,431	4,293	13,979	20,159	18,347
200 to 499	59,234	4,159	9,312	12,800	17,289	10,056
500 or more	29,554	12,565	5,559	6,126	3,961	711
Cows and heifers that had calved ..... farms	818,992	19,166	22,216	39,080	66,163	57,035
number	42,101,375	9,081,857	4,001,616	5,403,041	6,621,950	4,182,485
Beef cows ..... farms	764,984	13,180	16,773	27,844	48,782	51,239
number	32,834,801	3,247,071	3,017,495	4,265,019	5,611,066	3,981,019
Farms with-						
1 to 9	246,863	755	1,149	1,993	3,633	4,012
10 to 49	360,845	4,001	5,008	7,923	14,655	17,027
50 to 99	84,253	2,504	3,271	5,587	9,857	14,238
100 to 199	43,575	2,295	3,048	5,067	10,428	13,032
200 to 499	23,635	2,175	2,619	5,404	9,574	2,842
500 or more	5,813	1,450	1,678	1,870	635	88

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
HIRED FARM LABOR - Con.						
Migrant farm labor on farms with hired labor (see text) ....farms	3,157	3,289	1,888	1,265	924	2,135
Migrant farm labor on farms reporting only contract labor (see text) ....farms	1,273	1,459	757	499	404	1,064
FARMS BY SIZE						
1 to 9 acres	7,787	19,343	23,099	30,483	43,659	96,004
10 to 49 acres	19,604	48,594	67,367	80,367	98,946	272,044
50 to 69 acres	7,193	19,236	22,575	20,271	18,594	55,355
70 to 99 acres	14,812	29,419	28,249	22,350	18,126	63,914
100 to 139 acres	17,120	29,484	24,822	17,122	12,230	54,844
140 to 179 acres	15,730	24,343	16,364	10,272	7,162	42,356
180 to 219 acres	10,871	15,993	9,638	5,611	3,903	21,247
220 to 259 acres	8,922	12,270	6,395	3,370	2,298	14,796
260 to 499 acres	27,977	31,059	13,559	7,015	4,449	38,800
500 to 999 acres	15,238	12,093	4,329	2,386	1,441	18,342
1,000 to 1,999 acres	5,911	4,139	1,391	717	445	7,110
2,000 acres or more	3,567	2,312	743	338	241	4,021
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)						
Oilseed and grain farming (1111)	42,498	38,202	22,768	14,988	10,157	6,452
Vegetable and melon farming (1112)	4,141	7,777	6,545	5,516	4,144	2,676
Fruit and tree nut farming (1113)	11,905	17,449	11,897	9,849	6,891	13,079
Greenhouse, nursery, and floriculture production (1114)	5,664	8,465	6,128	5,172	4,123	7,941
Other crop farming (1119)	17,414	35,706	38,467	42,924	50,262	299,586
Tobacco farming (11191)	1,678	2,116	1,268	668	232	50
Cotton farming (11192)	791	706	373	187	114	39
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	14,945	32,884	36,826	42,069	49,916	299,497
Beef cattle ranching and farming (112111)	58,606	115,060	103,158	85,177	79,438	134,744
Cattle feedlots (112112)	2,472	4,501	4,455	4,135	4,312	859
Dairy cattle and milk production (11212)	3,277	2,511	1,793	1,680	66	107
Hog and pig farming (1122)	870	1,395	1,592	2,156	3,650	7,154
Poultry and egg production (1123)	532	923	1,295	2,456	7,437	26,319
Sheep and goat farming (1124)	1,031	2,989	4,400	7,420	14,619	35,470
Animal aquaculture and other animal production (1125, 1129)	6,322	13,307	16,033	18,829	26,395	154,446
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited resource farms ....farms	17,714	38,313	38,492	36,847	39,991	126,308
acres	5,692,082	7,149,669	4,417,010	2,952,433	2,315,793	13,112,596
Retirement farms ....farms	36,412	65,568	56,022	48,724	46,982	166,515
acres	12,120,907	13,986,036	7,278,075	4,538,561	3,373,564	25,858,367
Residential/lifestyle farms ....farms	51,633	97,055	94,143	90,870	101,056	309,699
acres	15,171,857	18,243,112	10,389,114	7,040,875	5,477,799	32,622,305
Farming occupation/lower sales ....farms	43,079	39,834	24,527	19,620	19,435	59,083
acres	20,118,889	11,923,032	3,884,851	2,247,031	1,768,649	10,023,487
Farming occupation/higher sales ....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Large family farms ....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Very large family farms ....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Non-family farms ....farms	5,894	7,515	5,347	4,241	4,030	27,228
acres	6,682,604	14,537,538	1,653,895	707,473	755,734	26,205,964
LIVESTOCK						
Cattle and calves inventory ....farms	85,003	144,578	123,328	101,064	95,249	176,025
number	6,590,169	6,599,890	3,210,125	1,688,336	1,107,029	2,758,110
Farms with-						
1 to 9	5,233	12,917	21,266	34,655	53,164	97,790
10 to 49	27,848	82,519	90,127	63,150	40,635	70,207
50 to 99	27,808	39,356	10,559	2,812	1,184	5,783
100 to 199	20,320	8,585	1,155	355	185	1,384
200 to 499	3,566	1,042	185	84	66	675
500 or more	228	159	36	8	15	186
Cows and heifers that had calved ....farms	75,796	130,901	109,741	87,114	78,055	133,725
number	3,840,088	3,963,955	1,945,765	1,019,154	638,064	1,403,400
Beef cows ....farms	72,691	128,847	108,268	86,014	77,866	133,480
number	3,776,205	3,941,795	1,939,434	1,016,398	636,708	1,402,591
Farms with-						
1 to 9	6,610	16,458	26,788	42,598	55,416	87,451
10 to 49	32,040	92,888	78,510	42,648	22,084	44,061
50 to 99	26,385	17,367	2,659	661	304	1,420
100 to 199	7,042	1,872	279	83	46	383
200 to 499	580	231	29	21	16	144
500 or more	34	31	3	3	-	21

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
LIVESTOCK - Con.						
Cattle and calves inventory - Con.						
Cows and heifers that had calved - Con.						
Milk cows ..... farms	69,890	6,736	6,400	13,195	20,679	7,587
number	9,266,574	5,834,786	984,121	1,138,022	1,010,884	201,466
Farms with-						
1 to 9	14,426	57	112	279	852	1,118
10 to 49	19,912	62	182	807	9,797	5,884
50 to 99	18,986	171	764	7,815	9,574	563
100 to 199	8,975	461	3,870	4,178	438	22
200 to 499	4,307	2,715	1,460	115	17	-
500 or more	3,284	3,270	12	1	1	-
Other cattle (see text) ..... farms	788,633	23,237	24,920	42,808	70,208	59,447
number	54,246,483	24,274,671	5,366,671	6,057,749	6,028,630	3,375,529
Cattle and calves sold ..... farms	798,290	23,796	25,772	44,421	73,815	64,246
number	74,071,936	39,439,183	6,546,234	6,995,972	7,324,190	4,344,721
$1,000	61,209,970	38,034,160	5,123,708	5,140,331	4,950,680	2,723,746
Calves weighing less than 500 pounds ..... farms	414,324	11,914	12,065	20,730	35,540	31,503
number	13,695,252	4,293,490	1,226,979	1,450,317	1,767,410	1,258,389
Cattle, including calves weighing 500 pounds or more ..... farms	681,126	21,992	23,854	41,518	68,617	59,386
number	60,376,684	35,145,693	5,319,255	5,545,655	5,556,780	3,086,332
Cattle on feed (see text) ..... farms	76,396	6,154	5,460	8,355	10,991	7,458
number	27,595,928	24,661,327	1,092,234	810,536	539,155	208,735
Hogs and pigs inventory ..... farms	75,442	7,490	5,717	5,560	6,149	4,159
number	67,786,318	50,746,534	9,382,309	4,260,468	2,041,983	581,304
Farms with-						
1 to 24	45,047	328	436	792	1,648	1,728
25 to 49	4,292	62	93	178	440	422
50 to 99	3,182	37	103	244	473	501
100 to 199	2,590	56	143	341	644	577
200 to 499	4,524	233	538	1,114	1,494	710
500 or more	15,807	6,774	4,404	2,891	1,450	221
Used or to be used for breeding ..... farms	32,867	2,129	1,727	2,347	3,174	2,303
number	6,290,610	4,810,539	622,875	379,684	230,929	72,272
Other hogs and pigs ..... farms	66,441	7,410	5,568	5,373	5,774	3,825
number	61,495,708	45,935,995	8,759,434	3,880,784	1,811,054	509,032
Hogs and pigs sold ..... farms	74,789	7,694	5,994	5,938	6,574	4,394
number	206,807,181	162,594,936	25,936,052	11,191,758	4,746,019	1,149,061
$1,000	18,056,981	14,221,695	2,320,351	936,846	386,106	91,382
Sheep and lambs inventory ..... farms	83,134	724	1,128	2,004	4,038	3,705
number	5,819,162	1,053,511	712,812	705,005	917,376	455,190
Ewes 1 year old or older ..... farms	68,222	607	1,003	1,829	3,671	3,382
number	3,516,409	452,967	418,043	470,278	615,715	313,747
Sheep and lambs sold ..... farms	53,268	565	894	1,673	3,437	3,128
number	4,579,608	1,363,307	543,578	556,788	660,863	325,078
Horses and ponies inventory ..... farms	575,942	7,822	8,202	13,516	25,143	22,890
number	4,028,827	101,494	85,832	126,546	227,576	204,311
Owned ..... farms	501,528	6,592	6,831	11,054	20,495	18,718
number	3,224,964	83,904	70,507	102,816	182,925	163,525
Horses and ponies sold ..... farms	133,472	1,310	1,319	2,196	5,010	5,503
number	506,503	19,989	14,836	21,765	41,834	42,403
Owned ..... farms	106,050	1,104	1,078	1,781	4,102	4,555
number	400,845	17,978	13,127	18,198	36,524	36,980
Goats, all inventory ..... farms	144,466	795	939	1,560	3,165	3,575
number	3,140,529	53,704	54,694	147,698	297,702	216,866
Goats sold ..... farms	61,748	349	407	695	1,566	1,782
number	1,387,576	32,644	33,442	83,949	151,786	124,137
POULTRY						
Layers inventory (see text) ..... farms	145,615	1,231	1,804	3,040	5,334	5,017
number	349,772,508	288,598,969	28,742,820	20,632,748	7,187,770	990,961
Farms with-						
1 to 399	140,844	254	654	1,709	4,656	4,815
400 to 3,199	785	31	24	34	131	153
3,200 to 9,999	626	22	28	207	329	27
10,000 to 19,999	1,373	42	288	851	175	11
20,000 to 49,999	1,292	252	769	229	30	11
50,000 to 99,999	261	218	35	4	4	-
100,000 or more	434	412	6	6	9	-
Pullets for laying flock replacement inventory ..... farms	22,514	499	495	730	938	771
number	105,876,529	65,959,900	17,447,186	14,242,791	5,374,101	655,691
Layers sold ..... farms	24,971	760	1,199	1,557	1,261	848
number	194,955,057	141,441,267	25,599,134	19,562,400	6,175,704	641,147
Pullets for laying flock replacement sold (see text) ..... farms	4,169	360	456	598	411	158
number	161,354,686	90,538,815	34,574,939	25,989,614	9,223,777	674,575

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
LIVESTOCK - Con.						
Cattle and calves inventory - Con.						
Cows and heifers that had calved - Con.						
Milk cows ....farms	4,867	4,499	3,011	2,092	387	437
number	63,883	22,160	6,331	2,756	1,356	809
Farms with-						
1 to 9	2,199	3,991	2,930	2,081	372	435
10 to 49	2,583	496	79	11	9	2
50 to 99	82	9	2	-	6	-
100 to 199	3	3	-	-	-	-
200 to 499	-	-	-	-	-	-
500 or more	-	-	-	-	-	-
Other cattle (see text) ....farms	75,499	122,569	99,237	77,621	69,667	123,420
number	2,750,081	2,635,935	1,264,360	669,182	468,965	1,354,710
Cattle and calves sold ....farms	84,365	144,294	122,509	98,311	88,783	27,978
number	3,638,921	3,362,643	1,434,978	640,206	299,048	45,840
$1,000	2,148,442	1,866,151	750,652	314,667	139,175	18,258
Calves weighing less than 500 pounds ....farms	45,676	82,739	68,949	51,661	40,893	12,654
number	1,234,524	1,352,394	642,443	301,398	143,457	24,451
Cattle, including calves weighing 500 pounds or more ....farms	77,299	127,429	102,085	77,211	64,472	17,263
number	2,404,397	2,010,249	792,535	338,808	155,591	21,389
Cattle on feed (see text) ....farms	7,208	10,459	8,012	6,175	5,212	912
number	115,250	93,509	43,042	20,289	10,682	1,169
Hogs and pigs inventory ....farms	4,349	6,670	6,691	6,849	8,584	13,224
number	246,129	184,086	127,926	72,429	65,922	77,228
Farms with-						
1 to 24	2,538	4,898	5,570	6,137	8,108	12,864
25 to 49	563	751	649	497	363	274
50 to 99	553	598	352	168	92	61
100 to 199	408	278	85	39	10	9
200 to 499	248	139	27	5	9	7
500 or more	39	6	8	3	2	9
Used or to be used for breeding ....farms	2,508	3,550	3,277	3,228	3,532	5,092
number	46,578	40,212	25,266	19,129	16,790	26,336
Other hogs and pigs ....farms	3,807	5,649	5,627	5,601	7,123	10,684
number	199,551	143,874	102,660	53,300	49,132	50,892
Hogs and pigs sold ....farms	4,544	7,114	7,246	7,670	8,942	8,679
number	442,903	339,327	171,793	113,747	81,242	40,343
$1,000	39,037	27,630	14,462	9,728	6,775	2,968
Sheep and lambs inventory ....farms	5,106	8,774	8,780	9,705	12,997	26,173
number	392,916	446,665	294,292	247,275	241,145	352,975
Ewes 1 year old or older ....farms	4,593	7,660	7,373	7,980	10,451	19,673
number	270,386	298,451	190,912	154,441	143,622	187,847
Sheep and lambs sold ....farms	4,130	6,945	6,811	7,374	9,789	8,522
number	287,507	316,237	200,756	150,295	121,876	53,323
Horses and ponies inventory ....farms	31,161	55,245	54,416	55,049	69,060	233,438
number	259,651	403,855	346,646	322,363	371,032	1,579,521
Owned ....farms	25,780	46,648	46,825	48,019	60,870	209,696
number	210,250	324,091	282,887	266,545	306,196	1,231,318
Horses and ponies sold ....farms	8,415	16,798	19,631	20,880	26,114	26,296
number	50,170	75,619	61,787	55,624	57,642	64,834
Owned ....farms	7,238	14,637	17,561	18,720	23,438	11,836
number	44,168	65,531	53,363	48,209	48,696	18,071
Goats, all inventory ....farms	5,663	12,254	13,671	16,344	24,682	61,818
number	237,824	356,344	288,585	299,412	377,260	810,440
Goats sold ....farms	2,880	6,427	7,213	9,202	14,459	16,768
number	127,074	199,719	163,475	168,398	186,024	116,928
POULTRY						
Layers inventory (see text) ....farms	7,444	14,911	16,447	19,000	26,409	44,978
number	503,249	618,059	530,647	539,281	640,295	787,709
Farms with-						
1 to 399	7,271	14,721	16,411	18,987	26,398	44,968
400 to 3,199	162	187	35	11	11	6
3,200 to 9,999	8	1	1	1	-	2
10,000 to 19,999	2	2	-	1	-	1
20,000 to 49,999	1	-	-	-	-	-
50,000 to 99,999	-	-	-	-	-	-
100,000 or more	-	-	-	-	-	1
Pullets for laying flock replacement inventory ....farms	1,309	2,446	2,867	3,224	4,333	4,902
number	231,155	292,755	218,647	329,880	227,223	897,200
Layers sold ....farms	1,239	2,597	3,051	3,522	4,676	4,261
number	337,081	447,090	218,468	219,834	194,800	118,132
Pullets for laying flock replacement sold (see text) ....farms	186	304	363	429	502	402
number	197,489	54,692	45,284	30,003	16,934	8,564

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
POULTRY - Con.						
Broilers and other meat-type chickens sold ..... farms	27,091	9,096	4,967	2,482	1,371	717
..... number	8,914,828,122	7,045,367,401	1,442,498,188	354,567,485	66,913,996	3,626,085
Farms with-						
1 to 1,999	9,743	51	89	236	507	535
2,000 to 59,999	618	40	23	35	205	182
60,000 to 99,999	623	4	20	86	513	-
100,000 or more	16,107	9,001	4,835	2,125	146	-
Turkeys inventory (see text) ..... farms	17,226	1,532	778	367	459	486
..... number	107,173,804	87,602,779	15,100,057	3,034,284	567,585	152,556
Turkeys sold (see text) ..... farms	8,284	1,628	840	323	295	291
..... number	295,793,159	249,313,239	38,119,583	6,764,369	1,218,871	110,814
CROPS HARVESTED						
Barley for grain ..... farms	19,848	1,756	2,737	4,190	4,960	2,319
..... acres	3,521,957	841,042	837,072	870,364	658,475	173,414
..... bushels	207,089,232	61,400,549	50,733,047	48,442,146	31,964,417	8,363,132
Irrigated ..... farms	4,241	669	554	742	935	451
..... acres	741,475	305,334	124,729	137,452	108,968	33,135
Farms by acres harvested:						
1 to 24 acres	5,742	139	279	659	1,279	924
25 to 99 acres	5,405	349	576	1,051	1,526	814
100 to 249 acres	4,469	410	698	1,180	1,458	436
250 to 499 acres	2,552	325	634	915	520	123
500 acres or more	1,680	533	550	385	177	22
Corn for grain ..... farms	347,760	24,462	34,081	55,047	76,781	49,412
..... acres	86,248,542	25,815,939	19,950,392	19,058,305	13,489,282	4,431,824
..... bushels	12,738,519,330	4,138,017,988	3,041,832,179	2,761,575,376	1,853,097,245	566,444,146
Irrigated ..... farms	38,911	7,453	7,582	8,826	8,153	3,437
..... acres	13,156,769	5,925,317	3,245,364	2,377,463	1,205,433	282,348
Farms by acres harvested:						
1 to 24 acres	68,008	453	616	1,419	4,841	4,841
25 to 99 acres	101,672	1,555	2,461	6,443	16,460	27,047
100 to 249 acres	78,166	2,890	4,804	11,945	38,034	16,343
250 to 499 acres	50,807	3,678	6,808	23,203	15,766	1,082
500 acres or more	49,107	15,886	19,392	12,037	1,680	99
Corn for silage or greenchop ..... farms	84,317	9,210	9,640	16,691	22,381	9,528
..... acres	5,979,661	2,395,079	1,004,298	1,078,854	892,962	280,493
..... tons	104,224,795	48,742,156	17,454,118	17,045,234	12,938,654	3,856,193
Irrigated ..... farms	9,664	3,312	1,570	1,528	1,476	740
..... acres	1,497,288	996,188	198,246	141,281	97,674	33,611
Farms by acres harvested:						
1 to 24 acres	34,207	622	1,300	3,739	9,731	5,803
25 to 99 acres	34,878	2,447	4,589	9,925	11,040	3,323
100 to 249 acres	10,855	3,101	3,071	2,619	1,414	373
250 to 499 acres	2,859	1,780	527	333	177	23
500 acres or more	1,518	1,260	153	75	19	6
Cotton, all ..... farms	18,605	3,156	3,582	3,704	3,742	1,578
..... acres	10,493,238	3,890,765	2,955,337	2,037,402	1,192,944	244,315
..... bales	18,898,128	8,128,621	5,249,493	3,292,842	1,699,165	322,408
Irrigated ..... farms	8,776	2,205	2,162	1,822	1,483	514
..... acres	4,035,610	2,013,378	1,090,477	588,469	269,588	45,847
Farms by acres harvested:						
1 to 24 acres	961	16	24	28	34	64
25 to 99 acres	3,043	114	137	225	490	517
100 to 249 acres	3,886	325	375	677	1,303	769
250 to 499 acres	3,738	476	750	1,058	1,229	181
500 acres or more	6,977	2,225	2,296	1,716	686	47
Dry edible beans, excluding limas ..... farms	6,236	1,211	1,281	1,366	1,141	489
..... acres	1,455,549	638,381	386,157	257,465	124,136	32,311
..... cwt	25,353,900	11,845,560	6,504,141	4,263,277	2,013,048	483,511
Irrigated ..... farms	2,456	550	403	456	476	210
..... acres	353,503	174,134	68,952	59,349	37,392	8,934
Farms by acres harvested:						
1 to 24 acres	818	15	25	50	111	103
25 to 99 acres	1,709	129	180	336	552	302
100 to 249 acres	1,856	281	440	645	396	72
250 to 499 acres	1,066	312	395	280	71	6
500 acres or more	787	474	241	55	11	6
Oats for grain ..... farms	42,558	1,422	2,492	5,444	9,608	6,363
..... acres	1,509,149	158,639	178,179	304,585	387,496	188,815
..... bushels	89,508,669	11,200,512	11,755,102	19,173,215	22,784,303	10,187,738
Irrigated ..... farms	1,620	183	150	195	308	229
..... acres	78,214	27,398	9,709	11,917	13,947	6,058
Farms by acres harvested:						
1 to 24 acres	27,044	374	870	2,239	5,178	4,210
25 to 99 acres	12,167	577	1,070	2,378	3,556	1,810
100 to 249 acres	2,643	289	424	650	717	299
250 to 499 acres	552	130	93	142	134	37
500 acres or more	152	52	35	35	23	7
Peanuts for nuts ..... farms	6,182	797	861	1,166	1,428	628
..... acres	1,200,564	412,137	280,901	242,192	180,501	44,302
..... pounds	3,703,138,887	1,421,410,867	866,615,546	722,064,268	504,811,836	108,406,039
Irrigated ..... farms	2,381	441	465	513	560	178
..... acres	418,789	177,965	102,672	75,083	49,929	8,264

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
POULTRY - Con.						
Broilers and other meat-type chickens sold ....farms	907	1,445	1,437	1,415	1,767	1,487
....number	953,399	416,355	188,053	133,877	107,253	56,030
Farms with-						
1 to 1,999	818	1,409	1,429	1,415	1,767	1,487
2,000 to 59,999	89	36	8	-	-	-
60,000 to 99,999	-	-	-	-	-	-
100,000 or more	-	-	-	-	-	-
Turkeys inventory (see text) ....farms	843	1,581	1,900	2,264	2,915	4,101
....number	194,160	203,321	114,398	42,620	39,744	122,300
Turkeys sold (see text) ....farms	452	733	887	903	1,091	841
....number	132,279	77,442	23,613	14,470	12,567	5,912
CROPS HARVESTED						
Barley for grain ....farms	1,562	1,206	525	321	158	114
....acres	83,838	38,163	11,523	5,146	1,935	985
....bushels	3,660,956	1,744,407	495,239	196,132	61,543	27,664
Irrigated ....farms	404	254	106	65	35	26
....acres	20,030	8,210	2,101	745	485	286
Farms by acres harvested:						
1 to 24 acres	796	769	391	264	134	108
25 to 99 acres	539	355	115	50	24	6
100 to 249 acres	188	74	19	6	-	-
250 to 499 acres	27	7	-	1	-	-
500 acres or more	12	1	-	-	-	-
Corn for grain ....farms	39,476	31,769	16,619	9,716	5,853	4,544
....acres	2,041,771	949,267	290,290	121,470	52,185	47,817
....bushels	239,435,300	96,491,502	25,709,516	9,287,268	3,370,627	3,258,183
Irrigated ....farms	1,693	897	395	193	134	148
....acres	84,141	26,661	5,557	1,538	911	2,036
Farms by acres harvested:						
1 to 24 acres	8,259	15,885	13,233	8,736	5,512	4,213
25 to 99 acres	27,691	15,171	3,303	937	317	287
100 to 249 acres	3,324	663	73	33	23	34
250 to 499 acres	198	47	9	7	1	8
500 acres or more	4	3	1	3	-	2
Corn for silage or greenchop ....farms	6,562	5,261	2,133	1,202	722	987
....acres	156,331	104,469	30,488	15,403	8,173	13,111
....tons	2,098,244	1,317,608	355,224	171,987	89,664	155,713
Irrigated ....farms	461	283	120	84	51	39
....acres	17,978	8,268	1,728	879	606	829
Farms by acres harvested:						
1 to 24 acres	4,550	4,073	1,819	1,049	651	870
25 to 99 acres	1,850	1,085	296	146	68	109
100 to 249 acres	150	92	18	6	3	8
250 to 499 acres	10	8	-	1	-	-
500 acres or more	2	3	-	-	-	-
Cotton, all ....farms	1,138	888	433	219	121	44
....acres	107,669	46,283	13,276	3,568	1,453	226
....bales	133,937	53,523	13,524	3,257	1,205	153
Irrigated ....farms	308	165	64	32	11	10
....acres	20,589	5,669	1,127	391	47	28
Farms by acres harvested:						
1 to 24 acres	75	179	207	179	111	44
25 to 99 acres	675	617	219	39	10	-
100 to 249 acres	338	91	7	1	-	-
250 to 499 acres	43	1	-	-	-	-
500 acres or more	7	-	-	-	-	-
Dry edible beans, excluding limas ....farms	286	192	125	79	50	16
....acres	11,130	3,894	1,327	647	84	17
....cwt	161,691	57,775	14,509	8,782	1,350	256
Irrigated ....farms	101	82	72	63	33	10
....acres	3,227	1,013	303	146	42	11
Farms by acres harvested:						
1 to 24 acres	123	142	107	76	50	16
25 to 99 acres	147	45	17	1	-	-
100 to 249 acres	15	4	1	2	-	-
250 to 499 acres	1	1	-	-	-	-
500 acres or more	-	-	-	-	-	-
Oats for grain ....farms	5,555	5,265	2,840	1,653	993	923
....acres	126,894	89,368	37,266	18,737	10,342	8,828
....bushels	6,849,031	4,349,434	1,717,258	777,657	393,223	321,196
Irrigated ....farms	177	133	91	68	60	26
....acres	4,250	2,510	1,026	630	581	188
Farms by acres harvested:						
1 to 24 acres	4,079	4,337	2,521	1,481	908	847
25 to 99 acres	1,309	852	291	168	83	73
100 to 249 acres	158	70	28	3	2	3
250 to 499 acres	9	6	-	1	-	-
500 acres or more	-	-	-	-	-	-
Peanuts for nuts ....farms	530	425	139	100	52	56
....acres	24,273	12,641	2,091	941	330	255
....pounds	52,282,102	22,293,686	3,694,247	1,228,609	193,955	137,732
Irrigated ....farms	105	54	18	22	11	14
....acres	3,661	922	83	113	15	82

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
CROPS HARVESTED - Con.						
Peanuts for nuts - Con.						
Farms by acres harvested:						
1 to 24 acres	915	15	15	18	52	88
25 to 99 acres	1,909	81	97	231	605	377
100 to 249 acres	1,886	175	302	551	651	151
250 to 499 acres	920	216	284	302	106	11
500 acres or more	552	310	163	64	14	1
Rice ... farms	6,084	1,175	1,435	1,477	1,086	457
acres	2,758,792	1,217,224	760,779	496,823	213,967	49,101
cwt	198,538,690	90,080,324	54,824,369	34,861,011	14,696,726	2,875,049
Irrigated ... farms	6,084	1,175	1,435	1,477	1,086	457
acres	2,758,792	1,217,224	760,779	496,823	213,967	49,101
Farms by acres harvested:						
1 to 24 acres	132	2	6	2	4	8
25 to 99 acres	915	40	53	77	178	252
100 to 249 acres	1,459	83	183	361	637	168
250 to 499 acres	1,616	162	408	790	226	28
500 acres or more	1,962	888	785	247	41	1
Sorghum for grain ... farms	26,242	2,531	3,514	4,902	6,179	3,701
acres	6,769,834	1,703,054	1,548,667	1,547,135	1,226,419	431,548
bushels	482,452,865	132,630,480	117,579,232	110,604,581	80,686,529	25,556,164
Irrigated ... farms	4,483	858	930	983	884	400
acres	845,214	304,134	196,714	165,662	120,442	35,601
Farms by acres harvested:						
1 to 24 acres	2,609	69	82	153	334	338
25 to 99 acres	8,335	283	504	864	1,867	1,801
100 to 249 acres	7,302	564	952	1,590	2,319	1,222
250 to 499 acres	4,377	549	855	1,384	1,227	270
500 acres or more	3,619	1,066	1,121	911	432	70
Soybeans for beans ... farms	279,110	19,028	28,786	46,143	62,192	41,587
acres	63,915,821	15,277,727	14,854,002	14,861,183	11,279,666	4,123,328
bushels	2,582,423,697	658,566,570	624,737,487	600,954,340	437,097,281	150,259,200
Irrigated ... farms	20,333	3,717	4,252	4,889	4,191	1,689
acres	5,237,075	2,137,636	1,410,232	990,835	500,814	129,363
Farms by acres harvested:						
1 to 24 acres	38,458	350	450	1,162	2,568	2,805
25 to 99 acres	90,935	1,496	2,433	5,535	14,227	23,470
100 to 249 acres	70,698	2,906	4,575	12,225	31,765	13,309
250 to 499 acres	44,381	3,482	7,787	19,304	11,543	1,752
500 acres or more	34,638	10,794	13,541	7,917	2,089	251
Sugarbeets for sugar ... farms	4,022	1,143	1,159	862	547	179
acres	1,253,817	706,228	346,709	141,857	47,619	8,044
tons	31,937,325	18,735,633	8,337,763	3,463,802	1,141,193	183,350
Irrigated ... farms	1,595	488	372	355	239	82
acres	394,675	228,165	87,522	54,905	18,975	3,665
Sugarcane for sugar ... farms	692	241	152	113	46	42
acres	846,666	679,750	109,293	42,061	9,796	3,615
tons	31,127,405	25,432,680	3,772,283	1,420,972	313,341	121,761
Irrigated ... farms	219	88	28	33	22	21
acres	435,205	410,573	10,313	8,618	3,666	1,585
Sunflower seed, all ... farms	6,403	921	1,417	1,670	1,397	473
acres	2,000,153	653,330	568,044	462,532	238,850	53,227
pounds	2,820,962,445	969,772,209	820,594,953	639,034,274	307,100,677	63,521,432
Irrigated ... farms	608	174	148	117	103	31
acres	102,219	50,045	22,298	17,143	10,086	2,039
Farms by acres harvested:						
1 to 24 acres	502	16	34	50	95	49
25 to 99 acres	1,153	59	122	207	383	194
100 to 249 acres	2,110	178	381	659	622	199
250 to 499 acres	1,494	214	466	533	242	31
500 acres or more	1,144	454	414	221	55	-
Tobacco ... farms	16,234	679	823	1,279	2,821	2,350
acres	359,846	94,566	66,557	63,328	63,119	32,675
pounds	778,301,825	221,417,357	152,875,261	139,601,494	128,921,693	63,838,434
Irrigated ... farms	2,572	200	265	355	564	439
acres	71,578	17,668	15,958	14,591	13,589	5,136
Farms by acres harvested:						
0.1 to 0.9 acres	235	2	1	4	5	6
1.0 to 1.9 acres	1,493	4	7	13	41	28
2.0 to 2.9 acres	1,827	8	14	23	118	107
3.0 to 4.9 acres	2,772	15	19	49	300	231
5.0 to 9.9 acres	3,459	32	47	121	690	532
10.0 to 24.9 acres	3,129	70	92	213	757	1,165
25.0 acres or more	3,319	548	643	856	910	281
Wheat for grain, all ... farms	160,810	13,717	19,056	27,971	35,265	22,227
acres	50,932,969	11,748,747	11,516,114	11,731,262	9,536,719	3,412,326
bushels	1,993,648,378	575,539,168	483,874,271	437,990,616	313,485,442	102,935,596
Irrigated ... farms	15,213	3,429	2,846	3,022	2,823	1,347
acres	3,364,079	1,668,389	660,995	511,795	332,578	106,966
Farms by acres harvested:						
1 to 24 acres	26,703	494	908	2,050	3,511	3,804
25 to 99 acres	49,409	2,153	3,688	6,534	10,784	8,693
100 to 249 acres	34,703	2,806	4,041	6,622	8,952	5,362
250 to 499 acres	21,167	2,351	3,348	4,841	5,860	2,977
500 acres or more	28,828	5,913	7,071	7,924	6,158	1,391

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
CROPS HARVESTED - Con.						
Peanuts for nuts - Con.						
Farms by acres harvested:						
1 to 24 acres	175	237	114	95	51	55
25 to 99 acres	316	171	24	5	1	1
100 to 249 acres	38	17	1	-	-	-
250 to 499 acres	1	-	-	-	-	-
500 acres or more	-	-	-	-	-	-
Rice ... farms	270	138	32	11	3	-
acres	15,196	4,980	599	117	6	-
cwt	919,732	252,808	23,006	5,278	387	-
Irrigated ... farms	270	138	32	11	3	-
acres	15,196	4,980	599	117	6	-
Farms by acres harvested:						
1 to 24 acres	11	59	26	11	3	-
25 to 99 acres	239	71	5	-	-	-
100 to 249 acres	18	8	1	-	-	-
250 to 499 acres	2	-	-	-	-	-
500 acres or more	-	-	-	-	-	-
Sorghum for grain ... farms	2,468	1,690	665	302	168	122
acres	187,043	89,055	23,178	7,180	3,003	3,552
bushels	10,005,962	4,038,277	902,890	214,692	92,438	141,620
Irrigated ... farms	186	112	62	31	9	28
acres	11,952	6,668	2,803	489	70	679
Farms by acres harvested:						
1 to 24 acres	396	494	313	193	140	97
25 to 99 acres	1,547	1,002	325	104	22	16
100 to 249 acres	443	175	21	5	6	5
250 to 499 acres	66	16	6	-	-	4
500 acres or more	16	3	-	-	-	-
Soybeans for beans ... farms	32,247	24,741	11,840	6,732	4,276	1,538
acres	1,993,706	1,018,870	312,290	120,892	53,658	20,499
bushels	67,308,492	30,744,168	8,304,072	2,896,109	1,054,290	501,688
Irrigated ... farms	780	501	177	84	44	9
acres	43,032	19,045	4,363	1,423	277	55
Farms by acres harvested:						
1 to 24 acres	4,970	8,626	7,022	5,290	3,804	1,411
25 to 99 acres	22,415	14,784	4,618	1,398	457	102
100 to 249 acres	4,453	1,202	194	38	15	16
250 to 499 acres	373	120	6	6	-	8
500 acres or more	36	9	-	-	-	1
Sugarbeets for sugar ... farms	83	35	8	3	-	3
acres	2,613	633	(D)	(D)	-	3
tons	58,221	15,146	1,967	220	-	30
Irrigated ... farms	35	16	2	3	-	3
acres	(D)	228	(D)	(D)	-	3
Sugarcane for sugar ... farms	36	35	13	2	11	1
acres	1,174	(D)	81	(D)	19	(D)
tons	35,558	28,080	1,961	(D)	(D)	(D)
Irrigated ... farms	4	6	7	1	8	1
acres	92	330	9	(D)	(D)	(D)
Sunflower seed, all ... farms	214	125	63	55	45	23
acres	14,184	7,008	1,196	675	268	839
pounds	14,031,945	4,920,118	726,497	304,562	111,761	844,017
Irrigated ... farms	13	5	6	2	6	3
acres	491	32	69	(D)	11	(D)
Farms by acres harvested:						
1 to 24 acres	52	54	44	45	44	19
25 to 99 acres	112	47	18	10	1	-
100 to 249 acres	47	19	1	-	-	4
250 to 499 acres	3	5	-	-	-	-
500 acres or more	-	-	-	-	-	-
Tobacco ... farms	2,676	3,057	1,535	721	240	53
acres	20,775	13,171	3,856	1,332	356	111
pounds	39,472,703	23,627,597	6,306,092	1,810,239	316,947	114,008
Irrigated ... farms	374	242	93	24	9	7
acres	3,296	1,016	214	57	8	45
Farms by acres harvested:						
0.1 to 0.9 acres	16	30	62	39	57	13
1.0 to 1.9 acres	111	312	410	403	136	28
2.0 to 2.9 acres	215	598	551	162	27	4
3.0 to 4.9 acres	523	1,138	398	81	14	4
5.0 to 9.9 acres	1,120	798	89	26	1	3
10.0 to 24.9 acres	630	166	22	10	4	-
25.0 acres or more	61	15	3	-	1	1
Wheat for grain, all ... farms	17,469	13,601	5,830	2,945	1,764	965
acres	1,667,152	881,300	254,768	93,739	36,600	54,242
bushels	47,235,240	22,770,174	5,655,955	2,014,829	634,486	1,512,601
Irrigated ... farms	817	524	191	123	41	50
acres	47,885	21,302	5,220	1,709	638	6,602
Farms by acres harvested:						
1 to 24 acres	4,605	4,815	2,715	1,795	1,322	684
25 to 99 acres	7,438	6,041	2,543	983	408	144
100 to 249 acres	3,844	2,304	508	156	29	79
250 to 499 acres	1,309	378	49	7	5	42
500 acres or more	273	63	15	4	-	16

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
CROPS HARVESTED - Con.						
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	869,534	22,942	26,179	44,051	72,483	61,764
acres	61,455,483	7,031,010	5,324,854	7,662,553	10,157,902	6,731,016
tons, dry	155,393,762	31,376,096	17,173,480	21,514,994	25,230,598	15,322,867
Irrigated ..... farms	86,007	6,705	4,765	6,694	9,680	7,632
acres	10,264,753	3,158,000	1,364,487	1,553,971	1,704,804	858,795
Farms by acres harvested:						
1 to 24 acres	367,533	3,106	4,151	6,649	12,410	12,034
25 to 99 acres	345,273	6,781	8,486	15,342	28,898	25,775
100 to 249 acres	111,368	5,744	7,665	13,344	19,778	17,645
250 to 499 acres	30,370	3,619	3,399	5,415	7,805	5,054
500 acres or more	14,990	3,692	2,478	3,301	3,592	1,256
Alfalfa hay ..... farms	290,726	10,881	14,818	27,832	45,492	31,297
acres	20,244,497	3,289,451	2,321,229	3,370,472	4,320,349	2,297,548
tons, dry	65,349,074	17,212,657	8,904,054	10,880,016	12,252,235	6,006,568
Irrigated ..... farms	56,390	4,247	3,367	4,989	7,483	5,650
acres	6,556,652	2,106,424	885,340	987,910	1,080,990	551,506
Other tame hay ..... farms	496,740	10,668	11,533	16,869	28,199	30,490
acres	26,763,972	1,665,024	1,571,650	2,225,327	3,346,711	3,095,744
tons, dry	54,347,673	4,813,134	3,803,247	5,057,820	7,357,215	6,700,329
Irrigated ..... farms	24,348	1,774	1,211	1,590	2,228	1,897
acres	1,699,864	384,326	200,461	256,614	291,335	162,077
Field and grass seed crops, all ..... farms	6,038	583	577	729	1,010	716
acres	1,178,726	476,289	217,658	181,502	146,096	62,138
Irrigated ..... farms	1,457	353	233	220	231	125
acres	323,441	194,353	51,546	38,031	24,372	8,388
Land in vegetables (see text) ..... farms	69,172	4,833	3,074	3,671	5,465	5,491
acres	4,356,880	3,168,433	440,799	297,672	194,500	93,229
Irrigated ..... farms	29,885	3,520	1,737	1,810	2,567	2,478
acres	3,068,485	2,542,247	241,427	136,714	70,487	29,018
Farms by acres harvested:						
0.1 to 4.9 acres	41,453	164	232	468	1,255	1,843
5.0 to 24.9 acres	13,869	252	300	659	1,777	2,573
25.0 to 99.9 acres	6,671	559	905	1,451	1,975	967
100.0 to 249.9 acres	3,473	952	1,098	884	420	94
250.0 acres or more	3,706	2,906	539	209	38	14
Snap beans ..... farms	17,300	698	559	787	1,149	1,425
acres	303,997	190,851	44,261	33,537	18,473	7,005
Harvested for processing ..... farms	1,999	352	275	275	201	125
acres	198,101	114,004	35,783	25,990	13,296	4,915
Peas, green ..... farms	4,532	566	443	587	533	414
acres	214,057	109,517	40,511	31,001	18,218	9,895
Harvested for processing ..... farms	2,047	492	371	450	368	184
acres	206,092	106,977	38,968	29,605	17,528	9,497
Potatoes ..... farms	15,014	1,288	644	708	1,064	1,204
acres	1,131,963	937,603	107,626	52,163	21,088	5,288
Harvested for processing ..... farms	1,739	665	248	175	116	55
acres	599,604	527,323	44,003	19,799	6,715	1,170
Farms by acres harvested:						
0.1 to 4.9 acres	12,013	87	106	248	691	1,033
5.0 to 24.9 acres	612	42	32	68	112	114
25.0 to 99.9 acres	539	52	69	154	200	52
100.0 to 249.9 acres	714	185	263	202	58	4
250.0 acres or more	1,136	922	174	36	3	1
Sweet corn ..... farms	28,241	1,161	992	1,526	2,422	2,413
acres	622,946	335,563	74,926	76,434	59,925	28,899
Harvested for processing ..... farms	3,670	554	402	557	580	311
acres	361,886	198,998	51,862	52,858	35,265	13,935
Sweet potatoes ..... farms	1,910	168	110	128	186	158
acres	105,284	68,953	16,206	9,705	5,494	1,793
Harvested for processing ..... farms	259	55	41	41	32	24
acres	21,360	12,228	3,935	3,135	1,564	334
Tomatoes in the open ..... farms	25,809	1,002	555	868	1,730	2,266
acres	442,225	390,681	21,296	8,823	6,777	3,749
Harvested for processing ..... farms	1,761	461	96	70	65	72
acres	319,549	298,206	14,638	3,810	2,026	248
Land in orchards ..... farms	115,935	4,241	3,182	4,827	9,457	10,130
acres	5,039,476	2,604,203	543,180	478,709	475,069	286,962
Irrigated ..... farms	61,189	3,680	2,558	3,628	6,294	6,197
acres	3,981,316	2,427,593	444,834	361,752	311,406	156,922
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	52,775	143	159	258	751	1,029
5.0 to 24.9 acres	37,043	296	243	505	2,237	5,294
25.0 to 99.9 acres	17,119	522	744	2,181	5,431	3,483
100.0 to 249.9 acres	5,434	842	1,378	1,625	938	280
250.0 acres or more	3,564	2,438	658	258	100	44
Apples ..... farms	25,591	778	689	1,047	1,858	1,862
bearing and nonbearing acres	398,770	193,847	50,595	44,500	41,098	20,603
Grapes ..... farms	25,892	1,231	847	1,276	2,560	2,502
bearing and nonbearing acres	1,051,407	585,554	113,249	101,036	108,879	56,658
Peaches, all ..... farms	13,582	539	446	599	1,117	960
bearing and nonbearing acres	149,237	72,096	22,380	14,827	14,774	6,821

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
CROPS HARVESTED - Con.						
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ....farms	80,614	134,029	112,609	93,932	86,569	134,362
acres	6,406,231	7,262,635	4,074,926	2,528,594	1,764,467	2,511,295
tons, dry	13,827,302	14,251,252	7,214,806	3,975,865	2,394,536	3,111,965
Irrigated ....farms	8,059	10,588	8,302	7,426	6,825	9,331
acres	591,514	459,420	222,870	129,549	82,112	139,231
Farms by acres harvested:						
1 to 24 acres	16,789	37,588	50,267	55,945	63,148	105,446
25 to 99 acres	41,006	77,798	56,306	35,612	22,265	27,004
100 to 249 acres	19,496	17,014	5,627	2,265	1,096	1,694
250 to 499 acres	2,913	1,487	375	97	56	150
500 acres or more	410	142	34	13	4	68
Alfalfa hay ....farms	30,107	37,008	25,807	20,648	18,091	28,745
acres	1,585,495	1,390,575	657,392	394,652	254,554	362,780
tons, dry	3,962,919	3,142,382	1,319,422	712,496	406,952	549,373
Irrigated ....farms	5,656	6,846	5,129	4,325	3,802	4,896
acres	377,796	270,258	122,273	69,725	42,040	62,390
Other tame hay ....farms	48,609	88,834	75,507	60,220	52,244	73,567
acres	3,676,808	4,569,668	2,607,669	1,573,467	1,039,385	1,392,519
tons, dry	7,706,637	8,797,876	4,577,694	2,427,104	1,388,235	1,718,382
Irrigated ....farms	2,207	3,191	2,653	2,427	2,212	2,958
acres	122,008	115,962	61,859	40,586	23,934	40,702
Field and grass seed crops, all ....farms	675	659	378	309	187	215
acres	42,919	28,256	11,625	6,201	2,814	3,228
Irrigated ....farms	73	79	34	43	34	32
acres	2,432	1,958	597	362	319	1,083
Land in vegetables (see text) ....farms	7,488	12,336	9,813	7,701	5,677	3,623
acres	63,288	50,587	23,646	13,083	7,678	3,966
Irrigated ....farms	3,082	4,855	3,789	2,853	2,073	1,121
acres	18,028	14,936	7,790	4,466	2,268	1,106
Farms by acres harvested:						
0.1 to 4.9 acres	3,750	9,092	8,541	7,177	5,442	3,489
5.0 to 24.9 acres	3,170	3,045	1,228	513	222	130
25.0 to 99.9 acres	552	194	44	9	11	4
100.0 to 249.9 acres	16	5	-	2	2	-
250.0 acres or more	-	-	-	-	-	-
Snap beans ....farms	2,231	3,790	2,821	1,863	1,236	741
acres	4,548	2,883	1,074	749	351	265
Harvested for processing ....farms	138	189	123	125	127	69
acres	2,780	922	151	209	35	17
Peas, green ....farms	379	599	437	288	172	114
acres	2,970	1,159	450	186	104	46
Harvested for processing ....farms	81	42	25	11	15	8
acres	2,639	725	138	5	7	5
Potatoes ....farms	1,853	3,075	2,182	1,493	920	583
acres	2,872	2,651	1,149	875	440	210
Harvested for processing ....farms	60	137	84	93	62	44
acres	223	256	54	37	13	11
Farms by acres harvested:						
0.1 to 4.9 acres	1,713	2,981	2,169	1,486	917	582
5.0 to 24.9 acres	131	91	13	6	2	1
25.0 to 99.9 acres	8	3	-	-	1	-
100.0 to 249.9 acres	1	-	-	1	-	-
250.0 acres or more	-	-	-	-	-	-
Sweet corn ....farms	3,200	5,226	4,247	3,214	2,426	1,414
acres	18,918	13,878	7,668	3,830	1,986	919
Harvested for processing ....farms	269	283	225	206	171	112
acres	6,558	1,636	384	224	111	56
Sweet potatoes ....farms	253	324	237	160	106	80
acres	1,877	713	266	180	70	31
Harvested for processing ....farms	23	18	9	12	4	-
acres	120	40	2	2	(Z)	-
Tomatoes in the open ....farms	3,522	5,892	4,247	2,809	1,795	1,123
acres	3,774	3,689	1,591	858	542	445
Harvested for processing ....farms	143	217	195	187	155	100
acres	214	135	125	62	42	45
Land in orchards ....farms	13,875	21,056	14,168	11,844	8,619	14,536
acres	229,395	194,418	68,274	40,378	23,470	95,417
Irrigated ....farms	7,643	10,252	6,547	5,441	3,755	5,194
acres	112,813	77,407	25,092	13,233	7,179	43,085
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	2,809	9,771	10,063	9,880	7,476	10,436
5.0 to 24.9 acres	8,570	9,924	3,782	1,762	1,029	3,401
25.0 to 99.9 acres	2,332	1,243	288	190	107	598
100.0 to 249.9 acres	141	99	34	11	7	79
250.0 acres or more	23	19	1	1	-	22
Apples ....farms	2,727	4,542	3,511	2,686	2,033	3,858
bearing and nonbearing acres	15,484	13,178	5,479	3,384	2,592	8,012
Grapes ....farms	3,076	4,512	2,925	2,491	1,672	2,800
bearing and nonbearing acres	38,133	26,481	8,025	4,133	1,946	7,314
Peaches, all ....farms	1,427	2,225	1,806	1,465	1,045	1,953
bearing and nonbearing acres	5,856	5,047	2,492	1,271	837	2,837

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
CROPS HARVESTED - Con.						
Land in orchards - Con.						
Citrus fruit, all ..... farms	15,658	741	544	908	1,615	1,874
bearing and nonbearing acres	1,005,806	647,383	87,812	85,654	74,412	44,153
Almonds ..... farms	6,700	1,054	526	621	970	772
bearing and nonbearing acres	790,245	525,960	86,914	65,068	51,639	21,923
Pecans ..... farms	21,856	346	266	380	1,016	1,353
bearing and nonbearing acres	581,809	104,922	43,631	52,752	71,721	72,352
Walnuts, English ..... farms	7,161	441	314	400	605	508
bearing and nonbearing acres	267,751	105,592	39,045	35,199	32,154	16,408
Land in berries (see text) ..... farms	25,017	866	710	1,042	2,026	2,171
acres	261,733	130,105	28,010	23,950	23,406	15,219

See footnote(s) at end of table.

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Table 59. **Summary by Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
CROPS HARVESTED - Con.						
Land in orchards - Con.						
Citrus fruit, all ....farms	2,425	2,912	1,578	1,287	889	885
bearing and nonbearing acres	33,450	20,189	5,336	2,402	1,291	3,724
Almonds ....farms	879	752	316	191	109	510
bearing and nonbearing acres	15,432	8,623	1,476	329	305	12,575
Pecans ....farms	2,282	4,575	3,156	2,540	1,887	4,055
bearing and nonbearing acres	70,001	77,683	28,667	17,584	9,840	32,655
Walnuts, English ....farms	700	1,019	802	776	613	983
bearing and nonbearing acres	13,843	10,791	4,270	3,260	1,635	5,555
Land in berries (see text) ....farms	3,180	4,603	3,195	2,367	1,735	3,122
acres	12,551	11,554	4,916	2,842	2,572	6,609

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
FARMS AND LAND IN FARMS						
Farms ..... number	2,204,792	57,292	63,567	96,251	149,049	129,124
percent	100.0	2.6	2.9	4.4	6.8	5.9
Land in farms ..... acres	922,095,840	149,421,698	123,795,313	143,059,892	149,338,327	79,734,620
Average size of farm ..... acres	418	2,608	1,947	1,486	1,002	618
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ..... farms	2,204,792	57,292	63,567	96,251	149,049	129,124
$1,000	305,204,413	179,241,475	44,578,145	34,366,766	24,400,981	9,219,416
Average per farm ..... dollars	138,428	3,128,560	701,278	357,054	163,711	71,400
Farms by economic class:						
Less than $1,000 (see text)	499,880	-	-	-	-	-
$1,000 to $2,499	270,712	-	-	-	-	-
$2,500 to $4,999	246,309	-	-	-	-	-
$5,000 to $9,999	254,834	-	-	-	-	-
$10,000 to $24,999	274,274	-	-	-	-	-
$25,000 to $49,999	163,500	-	-	-	-	-
$50,000 to $99,999	129,124	-	-	-	-	129,124
$100,000 to $249,999	149,049	-	-	-	149,049	-
$250,000 to $499,999	96,251	-	-	96,251	-	-
$500,000 to $999,999	63,567	-	63,567	-	-	-
$1,000,000 or more	57,292	57,292	-	-	-	-
$1,000,000 to $2,499,999	41,863	41,863	-	-	-	-
$2,500,000 to $4,999,999	9,845	9,845	-	-	-	-
$5,000,000 or more	5,584	5,584	-	-	-	-
Total sales ..... farms	2,204,792	57,292	63,567	96,251	149,049	129,124
$1,000	297,220,491	177,506,579	43,155,934	32,979,970	23,255,874	8,644,217
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	31,640	43,906	68,566	94,602	66,725
$1,000	77,215,262	25,838,748	19,363,508	16,185,542	10,386,581	3,273,787
Sales of $50,000 or more ..... farms	235,343	27,696	39,200	58,439	73,536	36,472
$1,000	73,535,966	25,759,771	19,270,439	15,993,564	10,005,987	2,506,207
Corn ..... farms	347,540	26,061	35,651	54,994	73,638	49,800
$1,000	39,909,600	14,247,619	9,825,119	8,108,488	5,137,254	1,588,906
Sales of $50,000 or more ..... farms	151,428	22,074	30,168	43,304	46,738	9,144
$1,000	36,859,125	14,164,287	9,708,954	7,867,775	4,543,240	574,869
Wheat ..... farms	159,527	14,581	20,201	28,739	35,392	21,976
$1,000	10,623,640	3,385,310	2,728,409	2,283,910	1,474,309	444,828
Sales of $50,000 or more ..... farms	47,250	9,589	11,703	13,292	10,463	2,203
$1,000	8,944,760	3,275,901	2,545,385	1,967,918	1,014,577	140,979
Soybeans ..... farms	285,089	20,297	30,594	47,273	62,544	42,674
$1,000	20,283,986	5,668,644	5,092,796	4,559,327	3,135,464	1,072,621
Sales of $50,000 or more ..... farms	109,269	16,866	25,392	35,495	28,684	2,832
$1,000	17,191,360	5,588,170	4,963,078	4,263,441	2,201,547	175,124
Sorghum ..... farms	27,142	2,923	3,897	5,162	6,302	3,691
$1,000	1,651,798	519,614	417,168	361,493	240,574	73,366
Sales of $50,000 or more ..... farms	8,972	1,960	2,402	2,644	1,720	246
$1,000	1,348,798	499,689	383,588	305,557	144,389	15,574
Barley ..... farms	18,326	1,784	2,746	4,079	4,330	2,076
$1,000	701,047	227,451	180,363	163,381	91,878	22,848
Sales of $50,000 or more ..... farms	3,973	989	1,244	1,180	493	67
$1,000	526,415	214,162	153,054	114,456	40,388	4,355
Rice ..... farms	6,085	1,313	1,542	1,464	993	399
$1,000	2,020,231	1,010,002	561,485	316,767	105,492	18,931
Sales of $50,000 or more ..... farms	5,184	1,281	1,496	1,402	831	174
$1,000	1,995,322	1,009,068	560,011	314,683	100,115	11,444
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	4,437	6,245	9,059	11,280	6,972
$1,000	2,024,959	780,109	558,169	392,175	201,609	52,287
Sales of $50,000 or more ..... farms	10,062	2,507	3,133	3,004	1,286	132
$1,000	1,698,514	754,048	517,191	318,891	100,336	8,047
Tobacco ..... farms	16,228	705	870	1,298	2,831	2,343
$1,000	1,268,114	402,029	258,490	214,768	196,426	93,994
Sales of $50,000 or more ..... farms	4,495	611	733	1,009	1,388	754
$1,000	1,076,035	399,736	255,283	207,763	163,095	50,158
Cotton and cottonseed ..... farms	18,591	3,608	3,922	3,869	3,302	1,453
$1,000	4,898,608	2,586,848	1,281,162	665,733	276,814	55,701
Sales of $50,000 or more ..... farms	13,232	3,427	3,676	3,424	2,288	417
$1,000	4,784,510	2,581,576	1,274,785	653,497	247,484	27,169
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	5,001	3,188	3,779	5,624	5,570
$1,000	14,683,058	12,345,182	917,681	519,026	361,134	195,838
Sales of $50,000 or more ..... farms	13,824	4,450	2,389	2,375	2,675	1,935
$1,000	14,167,307	12,333,826	901,236	492,669	311,201	128,375
Fruits, tree nuts, and berries ..... farms	112,690	4,747	3,561	5,432	10,495	11,297
$1,000	18,625,459	12,465,731	1,922,837	1,486,015	1,282,408	630,694
Sales of $50,000 or more ..... farms	28,824	4,256	3,117	4,629	8,452	8,370
$1,000	17,681,378	12,456,452	1,916,049	1,473,823	1,253,503	581,550
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	3,338	2,393	3,206	6,553	5,173
$1,000	16,632,734	13,000,583	1,349,257	874,888	792,905	276,920
Sales of $50,000 or more ..... farms	17,039	3,152	2,164	2,783	5,346	3,594
$1,000	16,227,627	12,997,571	1,345,412	867,407	772,229	245,008
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	149	150	246	655	795
$1,000	384,594	157,692	41,642	34,634	52,070	32,148
Sales of $50,000 or more ..... farms	1,088	104	90	127	368	399
$1,000	306,465	156,915	40,850	32,997	48,821	26,883

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
FARMS AND LAND IN FARMS						
Farms ....number	163,500	274,274	254,834	246,309	270,712	499,880
percent	7.4	12.4	11.6	11.2	12.3	22.7
Land in farms ....acres	61,673,246	73,948,809	34,304,165	23,557,915	18,888,110	64,373,745
Average size of farm ....acres	377	270	135	96	70	129
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ....farms	163,500	274,274	254,834	246,309	270,712	499,880
$1,000	5,794,771	4,363,801	1,810,538	883,995	448,240	96,287
Average per farm ....dollars	35,442	15,910	7,105	3,589	1,656	193
Farms by economic class:						
Less than $1,000 (see text)	-	-	-	-	-	499,880
$1,000 to $2,499	-	-	-	-	270,712	-
$2,500 to $4,999	-	-	-	246,309	-	-
$5,000 to $9,999	-	-	254,834	-	-	-
$10,000 to $24,999	-	274,274	-	-	-	-
$25,000 to $49,999	163,500	-	-	-	-	-
$50,000 to $99,999	-	-	-	-	-	-
$100,000 to $249,999	-	-	-	-	-	-
$250,000 to $499,999	-	-	-	-	-	-
$500,000 to $999,999	-	-	-	-	-	-
$1,000,000 or more	-	-	-	-	-	-
$1,000,000 to $2,499,999	-	-	-	-	-	-
$2,500,000 to $4,999,999	-	-	-	-	-	-
$5,000,000 or more	-	-	-	-	-	-
Total sales ....farms	163,500	274,274	254,834	246,309	270,712	499,880
$1,000	5,286,277	3,809,812	1,487,807	684,721	332,461	76,839
Grains, oilseeds, dry beans, and dry peas ....farms	57,894	53,424	29,293	17,762	10,992	4,663
$1,000	1,393,339	570,468	142,230	45,383	13,759	1,919
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Corn ....farms	40,067	32,748	16,628	9,507	5,577	2,869
$1,000	655,454	254,834	64,041	20,877	5,965	1,043
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Wheat ....farms	17,000	12,486	5,096	2,364	1,285	407
$1,000	198,219	83,229	18,703	5,073	1,457	193
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Soybeans ....farms	32,996	25,408	11,761	6,646	3,952	944
$1,000	473,265	206,158	52,550	17,223	5,439	500
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Sorghum ....farms	2,493	1,610	616	219	174	55
$1,000	27,166	9,855	2,028	375	143	18
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Barley ....farms	1,391	1,064	440	252	106	58
$1,000	9,851	3,838	1,024	318	74	21
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Rice ....farms	247	91	27	6	3	-
$1,000	6,310	1,111	106	23	4	-
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Other grains, oilseeds, dry beans, and dry peas ....farms	5,694	5,311	2,868	1,653	1,088	621
$1,000	23,075	11,442	3,778	1,494	677	144
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Tobacco .... farms	2,694	3,014	1,512	690	229	42
$1,000	57,856	33,179	8,700	2,273	372	28
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Cotton and cottonseed ....farms	986	838	341	186	68	18
$1,000	20,919	8,997	1,850	480	94	12
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Vegetables, melons, potatoes, and sweet potatoes ....farms	7,591	12,467	9,783	7,691	5,517	2,889
$1,000	149,077	123,112	45,379	19,042	6,480	1,109
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Fruits, tree nuts, and berries ....farms	15,202	22,362	15,002	11,903	8,110	4,579
$1,000	422,982	280,971	84,790	35,463	11,344	2,226
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Nursery, greenhouse, floriculture, and sod (see text) ....farms	6,410	9,100	5,825	4,445	3,137	1,204
$1,000	173,418	113,438	32,859	13,455	4,393	617
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Cut Christmas trees and short-rotation woody crops ....farms	1,249	2,132	1,925	1,834	1,759	2,480
$1,000	26,158	22,105	10,025	4,935	2,259	924
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.						
Total - Con.						
Total sales - Con.						
Other crops and hay (see text) ..... farms	434,502	11,544	12,986	19,104	30,710	29,303
$1,000	9,950,098	4,243,051	1,474,268	1,108,044	1,008,219	586,695
Sales of $50,000 or more ..... farms	27,831	5,553	5,156	5,811	6,920	4,391
$1,000	7,529,077	4,171,410	1,381,638	951,842	735,769	288,418
Cattle and calves ..... farms	798,290	24,386	26,865	45,758	74,788	65,660
$1,000	61,209,970	38,165,974	5,199,068	5,172,589	4,885,909	2,691,244
Sales of $50,000 or more ..... farms	119,983	17,476	15,668	23,409	34,327	29,103
$1,000	53,786,091	38,023,573	4,954,925	4,702,076	4,158,935	1,946,582
Milk and other dairy products from cows ..... farms	69,763	6,865	6,646	13,727	21,191	7,545
$1,000	31,848,029	21,419,278	3,411,094	3,676,689	2,774,292	398,895
Sales of $50,000 or more ..... farms	50,792	6,788	6,503	13,307	19,508	4,686
$1,000	31,558,210	21,418,070	3,409,143	3,669,743	2,738,305	322,950
Hogs and pigs ..... farms	74,789	7,830	6,027	6,012	6,510	4,469
$1,000	18,056,981	14,276,646	2,285,539	932,704	373,149	90,229
Sales of $50,000 or more ..... farms	19,956	7,277	5,084	4,088	2,781	726
$1,000	17,829,977	14,271,809	2,273,587	906,757	328,528	49,296
Sheep, goats, and their products ..... farms	121,171	931	1,379	2,495	5,007	5,003
$1,000	704,855	187,888	76,868	81,062	98,860	56,251
Sales of $50,000 or more ..... farms	1,825	164	237	380	663	381
$1,000	415,640	183,822	70,138	66,972	69,214	25,493
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	1,167	1,163	1,901	4,372	4,839
$1,000	2,061,862	1,042,223	162,285	117,892	170,629	125,184
Sales of $50,000 or more ..... farms	3,638	291	287	394	1,126	1,540
$1,000	1,559,047	1,036,773	157,354	109,208	153,989	101,723
Poultry and eggs ..... farms	148,911	12,303	8,012	6,302	6,643	5,439
$1,000	37,065,947	29,805,781	5,099,512	1,652,719	359,800	42,590
Sales of $50,000 or more ..... farms	26,267	12,036	7,301	4,503	2,004	423
$1,000	36,932,463	29,804,905	5,097,905	1,649,472	350,824	29,358
Aquaculture (see text) ..... farms	6,409	399	414	597	861	625
$1,000	1,415,271	870,625	197,999	161,116	117,389	35,858
Sales of $50,000 or more ..... farms	2,449	359	342	510	752	486
$1,000	1,376,454	869,983	196,979	159,577	116,169	33,747
Other animals and other animal products (see text) ..... farms	43,226	576	541	870	1,954	2,226
$1,000	1,199,649	698,301	114,724	96,548	119,289	58,190
Sales of $50,000 or more ..... farms	2,294	214	212	328	814	726
$1,000	1,066,659	696,061	113,160	94,282	114,281	48,875
Value of-						
Government payments ..... farms	838,391	34,682	46,387	74,977	109,858	83,208
$1,000	7,983,922	1,734,896	1,422,210	1,386,796	1,145,107	575,199
Landlord's share of total sales (see text) ..... farms	97,706	8,503	13,763	19,784	21,242	11,488
$1,000	6,429,386	2,136,171	1,803,385	1,426,031	759,825	190,799
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	136,817	1,303	1,708	3,224	6,881	8,229
$1,000	1,211,270	242,055	132,519	152,427	182,059	134,338
FARM PRODUCTION EXPENSES						
Total farm production expenses ..... farms	2,204,792	57,292	63,567	96,251	149,049	129,124
$1,000	241,113,666	136,258,177	31,868,452	24,823,920	18,138,750	7,424,444
Average per farm ..... dollars	109,359	2,378,311	501,336	257,908	121,697	57,499
Fertilizer, lime, and soil conditioners purchased ..... farms	1,148,218	45,134	54,897	85,685	128,753	104,202
$1,000	18,107,194	6,467,784	3,652,351	3,219,625	2,318,797	915,700
Farms with expenses of-						
$1 to $4,999	734,931	4,230	4,436	8,448	26,755	41,122
$5,000 to $24,999	249,546	7,004	10,141	27,161	69,870	57,894
$25,000 to $49,999	74,633	5,556	10,676	26,514	25,484	4,543
$50,000 or more	89,108	28,344	29,644	23,562	6,644	643
Chemicals purchased ..... farms	918,604	44,885	51,426	79,015	116,076	90,712
$1,000	10,074,914	4,550,521	1,971,432	1,623,699	1,088,555	376,552
Farms with expenses of-						
$1 to $4,999	666,084	7,792	8,007	16,123	47,903	65,007
$5,000 to $24,999	162,785	9,075	15,013	39,242	60,017	24,821
$25,000 to $49,999	46,594	6,614	14,304	17,593	6,868	720
$50,000 or more	43,141	21,404	14,102	6,057	1,288	164
Seeds, plants, vines, and trees ..... farms	775,893	41,041	50,346	77,643	112,088	82,009
$1,000	11,740,521	5,160,925	2,269,167	1,948,128	1,350,252	463,145
Farms with expenses of-						
$1 to $999	302,164	1,407	1,494	2,648	8,220	13,367
$1,000 to $4,999	192,154	2,936	3,651	8,848	27,366	32,958
$5,000 to $24,999	173,462	7,469	12,756	33,428	64,937	34,416
$25,000 to $49,999	56,320	6,294	13,818	24,720	9,828	990
$50,000 or more	51,793	22,935	18,627	7,999	1,737	278

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.						
Total - Con.						
Total sales - Con.						
Other crops and hay (see text) ....farms	38,978	66,386	62,238	58,604	59,252	45,397
$1,000	511,363	513,557	260,900	145,653	76,789	21,558
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Cattle and calves ....farms	86,133	144,817	120,957	96,267	85,993	26,666
$1,000	2,112,175	1,806,942	722,781	302,349	133,583	17,356
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Milk and other dairy products from cows ....farms	4,823	4,313	2,744	1,752	126	31
$1,000	108,687	41,160	12,638	5,167	117	11
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Hogs and pigs ....farms	4,540	7,228	7,326	7,679	8,871	8,297
$1,000	38,147	27,213	14,328	9,604	6,618	2,801
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Sheep, goats, and their products ....farms	7,160	13,556	14,212	16,649	24,564	30,215
$1,000	48,513	57,619	36,044	27,798	23,727	10,225
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Horses, ponies, mules, burros, and donkeys ....farms	7,849	15,979	18,899	20,125	25,339	12,684
$1,000	133,602	141,229	81,374	49,329	32,047	6,069
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Poultry and eggs ....farms	7,465	14,518	15,664	17,569	24,052	30,944
$1,000	25,305	23,899	16,394	14,323	15,172	10,452
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Aquaculture (see text) ....farms	631	890	602	509	610	271
$1,000	17,468	10,008	2,818	1,254	672	64
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Other animals and other animal products (see text) ....farms	3,477	6,301	5,962	6,101	7,500	7,718
$1,000	47,268	35,915	14,696	8,214	5,035	1,468
Sales of $50,000 or more ....farms	-	-	-	-	-	-
$1,000	-	-	-	-	-	-
Value of-						
Government payments ....farms	85,763	110,475	86,525	79,547	84,577	42,392
$1,000	508,494	553,989	322,731	199,274	115,779	19,447
Landlord's share of total sales (see text) ....farms	8,370	7,091	3,609	2,043	1,299	514
$1,000	72,786	30,387	7,089	2,134	688	92
Agricultural products sold directly to individuals for human consumption (see text) ....farms	12,479	22,626	20,986	21,092	22,833	15,456
$1,000	123,310	120,197	60,079	37,158	21,833	5,294
FARM PRODUCTION EXPENSES						
Total farm production expenses ....farms	163,500	274,274	254,834	246,309	270,712	499,880
$1,000	5,309,363	5,048,344	2,908,332	2,144,900	1,908,734	5,280,251
Average per farm .... dollars	32,473	18,406	11,413	8,708	7,051	10,563
Fertilizer, lime, and soil conditioners purchased ....farms	119,974	170,590	127,641	100,225	85,290	125,827
$1,000	582,746	447,317	202,282	109,692	71,032	119,869
Farms with expenses of-						
$1 to $4,999	76,881	147,025	121,653	97,894	83,909	122,578
$5,000 to $24,999	41,855	23,172	5,834	2,243	1,319	3,053
$25,000 to $49,999	1,047	362	145	84	57	165
$50,000 or more	191	31	9	4	5	31
Chemicals purchased ....farms	96,880	126,519	89,575	70,287	62,268	90,961
$1,000	199,677	123,946	50,251	29,095	20,993	40,193
Farms with expenses of-						
$1 to $4,999	87,745	123,306	88,656	69,778	61,854	89,913
$5,000 to $24,999	8,852	3,062	869	487	397	950
$25,000 to $49,999	203	129	46	18	17	82
$50,000 or more	80	22	4	4	-	16
Seeds, plants, vines, and trees ....farms	82,695	100,540	68,968	52,077	45,374	63,112
$1,000	239,957	149,750	61,168	35,004	23,294	39,733
Farms with expenses of-						
$1 to $999	26,146	56,151	52,620	44,272	40,619	55,220
$1,000 to $4,999	43,816	39,791	14,885	6,960	4,188	6,755
$5,000 to $24,999	12,342	4,373	1,377	786	532	1,046
$25,000 to $49,999	269	187	73	48	28	65
$50,000 or more	122	38	13	11	7	26

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Livestock and poultry purchased or leased (see text) ..... farms	490,819	30,899	26,171	33,448	44,782	36,741
$1,000	38,003,682	30,163,432	3,262,839	1,914,634	1,097,121	500,437
Farms with expenses of-						
$1 to $4,999	306,414	1,355	3,304	8,023	16,547	17,288
$5,000 to $24,999	97,441	2,213	4,063	8,623	15,176	12,536
$25,000 to $99,999	42,768	3,305	8,728	9,353	10,718	6,675
$100,000 to $249,999	24,183	9,580	5,610	6,418	2,286	239
$250,000 or more	20,013	14,446	4,466	1,031	55	3
Breeding livestock purchased or leased (see text) ..... farms	278,572	10,104	11,302	19,274	30,315	25,257
$1,000	3,599,873	1,544,485	348,984	387,260	415,097	257,683
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	25,619	19,012	19,483	21,376	16,781
$1,000	34,403,809	28,618,947	2,913,855	1,527,373	682,024	242,755
Feed purchased ..... farms	1,135,968	34,451	31,917	46,616	71,297	62,360
$1,000	49,095,106	35,504,855	5,071,780	2,794,732	1,825,612	724,286
Farms with expenses of-						
$1 to $4,999	766,606	1,347	3,681	8,196	19,088	25,496
$5,000 to $24,999	245,328	2,005	5,170	11,860	26,902	29,190
$25,000 to $99,999	66,394	2,856	6,764	16,511	22,879	7,416
$100,000 to $249,999	23,472	3,965	7,678	8,969	2,306	231
$250,000 or more	34,168	24,278	8,624	1,080	122	27
Gasoline, fuels, and oils ..... farms	2,148,806	57,150	63,426	95,917	148,119	127,582
$1,000	12,912,179	4,667,378	1,965,441	1,765,800	1,451,546	672,205
Farms with expenses of-						
$1 to $4,999	1,704,545	2,890	4,666	10,728	44,668	78,091
$5,000 to $24,999	336,324	12,818	27,370	63,899	95,365	47,882
$25,000 to $49,999	64,765	14,747	21,325	17,344	6,883	1,337
$50,000 or more	43,172	26,695	10,065	3,946	1,203	272
Utilities (see text) ..... farms	1,102,530	53,802	57,336	84,018	122,259	93,688
$1,000	5,917,615	2,936,738	766,905	642,886	539,444	248,681
Farms with expenses of-						
$1 to $999	506,560	580	1,566	4,983	18,220	27,601
$1,000 to $4,999	402,839	5,873	16,816	37,912	71,169	55,095
$5,000 to $24,999	157,818	25,541	32,038	37,379	31,104	10,428
$25,000 to $49,999	19,269	9,742	4,569	2,713	1,326	449
$50,000 or more	16,044	12,066	2,347	1,031	440	115
Supplies, repairs, and maintenance ..... farms	1,992,234	57,272	63,549	96,058	142,376	118,981
$1,000	15,896,723	6,082,829	2,101,645	1,997,158	1,661,637	771,372
Farms with expenses of-						
$1 to $4,999	1,478,317	2,911	5,341	11,795	40,330	64,363
$5,000 to $24,999	389,971	14,931	26,180	56,179	88,339	51,642
$25,000 to $49,999	73,014	11,962	19,191	21,789	11,621	2,394
$50,000 or more	50,932	27,468	12,837	6,295	2,086	582
Hired farm labor ..... farms	482,186	46,398	43,990	55,824	65,728	41,708
$1,000	21,877,661	14,688,661	2,495,205	1,755,024	1,259,954	473,468
Farms with expenses of-						
$1 to $4,999	262,262	3,469	7,490	15,984	28,114	23,900
$5,000 to $24,999	108,122	7,407	12,633	19,471	22,126	12,626
$25,000 to $99,999	75,938	14,167	16,757	16,305	13,658	4,692
$100,000 to $249,999	21,237	9,274	5,367	3,622	1,632	442
$250,000 or more	14,627	12,081	1,743	442	198	48
Contract labor ..... farms	182,701	15,377	11,945	15,007	20,834	16,777
$1,000	4,514,166	2,985,764	392,508	309,342	300,578	147,819
Farms with expenses of-						
$1 to $999	49,657	608	811	1,446	2,661	2,931
$1,000 to $4,999	66,104	2,525	3,103	4,677	7,141	6,485
$5,000 to $24,999	45,949	4,959	4,605	5,661	7,520	5,876
$25,000 to $49,999	9,730	1,984	1,445	1,539	2,090	1,152
$50,000 or more	11,261	5,301	1,981	1,684	1,422	333
Customwork and custom hauling ..... farms	362,475	24,374	25,088	38,617	55,265	39,133
$1,000	4,091,038	2,135,708	519,998	495,322	421,931	183,004
Farms with expenses of-						
$1 to $999	119,768	755	1,467	3,141	7,486	8,774
$1,000 to $4,999	131,318	3,423	6,143	12,469	23,140	18,660
$5,000 to $24,999	83,762	8,094	11,455	17,858	21,652	11,009
$25,000 to $49,999	14,558	4,096	3,513	3,508	2,368	559
$50,000 or more	13,069	8,006	2,510	1,641	619	131
Cash rent for land, buildings, and grazing fees ..... farms	490,372	35,816	43,368	65,807	85,581	55,694
$1,000	13,274,530	5,355,190	2,814,897	2,369,364	1,538,439	511,875
Farms with expenses of-						
$1 to $4,999	238,363	2,358	3,622	9,430	23,864	26,678
$5,000 to $9,999	59,281	1,845	3,117	7,410	15,104	12,673
$10,000 to $24,999	76,679	4,410	7,480	15,989	26,163	12,972
$25,000 or more	116,049	27,203	29,149	32,978	20,450	3,371

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Livestock and poultry purchased or leased (see text) ....farms	43,110	64,099	51,103	44,087	46,559	69,820
$1,000	344,056	271,925	131,717	86,850	67,419	163,252
Farms with expenses of-						
$1 to $4,999	24,798	45,605	43,399	40,220	43,813	62,062
$5,000 to $24,999	15,038	17,906	7,660	3,848	2,724	7,654
$25,000 to $99,999	3,247	582	38	17	22	83
$100,000 to $249,999	26	5	3	1	-	15
$250,000 or more	1	1	3	1	-	6
Breeding livestock purchased or leased (see text) ....farms	29,930	42,743	30,689	23,351	21,612	33,995
$1,000	206,207	173,070	77,414	51,320	38,957	99,396
Other livestock and poultry purchased or leased (see text) ....farms	19,173	29,761	26,884	26,466	30,721	43,879
$1,000	137,849	98,854	54,303	35,530	28,462	63,857
Feed purchased ....farms	84,767	148,320	129,984	117,745	129,382	279,129
$1,000	612,673	674,987	412,672	301,067	281,719	890,723
Farms with expenses of-						
$1 to $4,999	46,032	104,020	106,675	102,877	116,797	232,397
$5,000 to $24,999	35,010	42,224	22,615	14,352	12,179	43,821
$25,000 to $99,999	3,607	2,025	666	501	391	2,778
$100,000 to $249,999	112	47	16	14	15	119
$250,000 or more	6	4	12	1	-	14
Gasoline, fuels, and oils ....farms	160,910	268,640	248,493	238,705	259,772	480,092
$1,000	510,481	509,916	321,837	240,192	210,493	596,889
Farms with expenses of-						
$1 to $4,999	130,987	248,378	238,965	232,213	254,489	458,470
$5,000 to $24,999	29,171	19,916	9,115	6,208	4,976	19,604
$25,000 to $49,999	675	270	338	211	242	1,393
$50,000 or more	77	76	75	73	65	625
Utilities (see text) ....farms	104,676	148,328	110,802	91,601	85,700	150,320
$1,000	187,442	184,525	104,826	77,048	64,466	164,653
Farms with expenses of-						
$1 to $999	47,277	89,083	77,846	68,141	66,818	104,445
$1,000 to $4,999	50,885	54,125	30,741	21,987	17,734	40,502
$5,000 to $24,999	6,235	5,077	2,191	1,450	1,132	5,243
$25,000 to $49,999	269	36	21	20	16	108
$50,000 or more	10	7	3	3	-	22
Supplies, repairs, and maintenance ....farms	147,561	244,385	230,119	219,064	237,040	435,829
$1,000	610,326	660,420	447,000	347,440	319,493	897,404
Farms with expenses of-						
$1 to $4,999	108,613	210,734	210,630	204,984	224,742	393,874
$5,000 to $24,999	37,348	32,264	18,755	13,569	11,806	38,958
$25,000 to $49,999	1,289	1,088	608	412	398	2,262
$50,000 or more	311	299	126	99	94	735
Hired farm labor ....farms	43,177	55,503	37,613	28,227	23,808	40,210
$1,000	315,117	295,950	136,844	94,012	70,051	293,376
Farms with expenses of-						
$1 to $4,999	30,002	44,253	32,614	24,743	21,155	30,538
$5,000 to $24,999	10,223	8,532	3,874	2,671	2,079	6,480
$25,000 to $99,999	2,684	2,474	1,016	770	544	2,871
$100,000 to $249,999	240	219	97	35	24	285
$250,000 or more	28	25	12	8	6	36
Contract labor ....farms	19,007	25,114	16,696	12,420	10,586	18,938
$1,000	107,166	97,701	43,956	27,345	21,426	80,560
Farms with expenses of-						
$1 to $999	4,193	8,219	7,413	6,557	6,243	8,575
$1,000 to $4,999	8,328	11,702	7,327	4,691	3,416	6,709
$5,000 to $24,999	5,910	4,713	1,772	1,058	836	3,039
$25,000 to $49,999	460	362	131	86	69	412
$50,000 or more	116	118	53	28	22	203
Customwork and custom hauling ....farms	39,680	48,237	32,250	22,374	17,063	20,394
$1,000	121,114	98,142	43,258	24,610	16,409	31,542
Farms with expenses of-						
$1 to $999	13,050	22,531	19,974	15,518	13,007	14,065
$1,000 to $4,999	19,891	21,629	10,937	6,177	3,679	5,170
$5,000 to $24,999	6,494	3,898	1,279	645	337	1,041
$25,000 to $49,999	189	139	41	30	33	82
$50,000 or more	56	40	19	4	7	36
Cash rent for land, buildings, and grazing fees ....farms	52,068	57,111	32,178	20,002	14,810	27,937
$1,000	271,376	179,488	69,443	37,879	28,482	98,096
Farms with expenses of-						
$1 to $4,999	36,348	49,650	29,828	18,723	13,796	24,066
$5,000 to $9,999	9,733	4,885	1,433	700	547	1,834
$10,000 to $24,999	4,916	1,915	681	429	330	1,394
$25,000 or more	1,071	661	236	150	137	643

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	14,500	12,429	15,260	16,319	9,524
$1,000	1,385,219	810,411	209,445	155,834	97,396	33,744
Farms with expenses of-						
$1 to $999	39,280	907	1,427	2,787	4,710	3,721
$1,000 to $4,999	31,997	2,433	3,310	5,111	6,085	3,643
$5,000 to $24,999	26,656	5,195	5,233	5,691	4,763	2,041
$25,000 to $49,999	5,778	2,200	1,489	1,156	600	102
$50,000 or more	5,488	3,765	970	515	161	17
Interest expense ..... farms	667,454	42,180	44,695	64,042	85,379	58,979
$1,000	10,880,731	3,767,860	1,508,732	1,384,900	1,146,824	559,017
Farms with expenses of-						
$1 to $4,999	289,876	2,913	5,044	11,372	26,387	26,314
$5,000 to $24,999	275,988	9,895	17,879	33,275	47,124	28,464
$25,000 to $99,999	87,574	19,434	19,700	18,521	11,467	4,052
$100,000 or more	14,016	9,938	2,072	874	401	149
Secured by real estate ..... farms	519,095	32,895	34,279	47,715	61,561	42,381
$1,000	7,185,334	2,181,723	914,622	861,439	759,534	403,616
Farms with expenses of-						
$1 to $999	58,501	718	1,039	1,855	3,722	3,958
$1,000 to $4,999	171,356	2,588	4,501	8,872	16,901	14,600
$5,000 to $24,999	225,304	10,415	16,332	26,375	33,774	20,886
$25,000 to $49,999	39,515	7,365	7,701	7,767	5,534	2,276
$50,000 or more	24,419	11,809	4,706	2,846	1,630	661
Not secured by real estate ..... farms	413,327	28,415	31,675	46,171	60,593	40,229
$1,000	3,695,397	1,586,137	594,110	523,461	387,290	155,401
Farms with expenses of-						
$1 to $999	122,808	1,045	1,542	3,528	8,338	9,222
$1,000 to $4,999	153,159	3,641	5,958	12,461	25,355	20,659
$5,000 to $24,999	106,610	9,078	15,962	25,352	25,166	10,061
$25,000 to $49,999	18,841	5,943	6,049	4,015	1,546	268
$50,000 or more	11,909	8,708	2,164	815	188	19
Property taxes paid ..... farms	1,995,808	53,891	59,529	89,135	135,787	118,074
$1,000	6,223,048	1,184,620	564,121	610,316	650,603	399,456
Farms with expenses of-						
$1 to $4,999	1,717,819	17,509	26,583	47,405	91,937	96,699
$5,000 to $9,999	172,489	11,057	14,731	23,628	30,909	16,006
$10,000 to $24,999	80,800	13,784	13,792	15,520	11,389	4,671
$25,000 or more	24,700	11,541	4,423	2,582	1,552	698
All other production expenses (see text) ..... farms	1,115,703	57,200	63,472	96,101	145,597	90,432
$1,000	17,119,339	9,795,500	2,301,987	1,837,157	1,390,060	443,684
Farms with expenses of-						
$1 to $4,999	765,840	2,266	7,083	20,362	63,709	64,459
$5,000 to $24,999	234,512	11,378	25,079	52,165	71,759	24,070
$25,000 to $49,999	55,174	9,314	15,987	17,345	7,706	1,408
$50,000 to $99,999	32,742	12,558	11,787	4,957	1,978	372
$100,000 or more	27,435	21,684	3,536	1,272	445	123
Production expenses paid by landlords [1] ..... farms	67,427	8,519	11,773	15,073	14,583	6,784
$1,000	1,556,963	522,207	417,567	344,909	186,315	49,361
Depreciation expenses claimed (see text) ..... farms	963,340	50,567	55,172	80,910	112,102	84,075
$1,000	20,185,540	7,206,755	3,085,459	2,842,040	2,384,550	1,107,336
NET CASH FARM INCOME (SEE TEXT)						
Net cash farm income of operations (see text) ..... farms	2,204,792	57,292	63,567	96,251	149,049	129,124
$1,000	74,581,098	44,951,930	13,965,769	10,813,694	7,559,452	2,580,735
Average per farm ..... dollars	33,827	784,611	219,702	112,349	50,718	19,986
Farms with net gains [2] ..... number	1,037,041	52,643	57,852	85,376	127,211	103,092
Average net gain ..... dollars	89,479	898,869	259,699	140,472	70,696	35,107
Gain of-						
Less than $1,000	102,871	15	33	161	501	1,022
$1,000 to $4,999	221,477	64	241	611	2,257	4,462
$5,000 to $9,999	128,828	97	223	861	3,109	6,578
$10,000 to $24,999	170,636	329	925	2,826	12,014	26,016
$25,000 to $49,999	119,233	563	1,807	6,594	27,710	43,184
$50,000 or more	293,996	51,575	54,623	74,323	81,620	21,830
Farms with net losses ..... number	1,167,751	4,649	5,715	10,875	21,838	26,032
Average net loss ..... dollars	15,596	509,190	185,186	108,433	65,661	39,894
Loss of-						
Less than $1,000	134,307	24	32	158	485	946
$1,000 to $4,999	426,570	80	158	533	1,861	3,477
$5,000 to $9,999	247,156	86	196	593	1,944	3,499
$10,000 to $24,999	225,863	189	569	1,658	4,593	6,897
$25,000 to $49,999	76,927	336	768	2,053	4,594	5,320
$50,000 or more	56,928	3,934	3,992	5,880	8,361	5,893

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Rent and lease expenses for machinery, equipment, and farm share of vehicles ....farms	8,507	9,692	6,363	4,763	4,109	7,733
$1,000	22,078	17,854	9,768	6,483	5,189	17,017
Farms with expenses of-						
$1 to $999	4,339	5,948	4,337	3,361	2,953	4,790
$1,000 to $4,999	2,971	2,821	1,558	1,081	891	2,093
$5,000 to $24,999	1,103	861	434	304	256	775
$25,000 to $49,999	72	52	29	16	7	55
$50,000 or more	22	10	5	1	2	20
Interest expense ....farms	60,530	77,614	56,377	46,598	45,525	85,535
$1,000	470,514	506,104	337,532	273,622	257,807	667,820
Farms with expenses of-						
$1 to $4,999	32,506	46,387	35,145	29,225	28,662	45,921
$5,000 to $24,999	24,986	28,411	19,479	15,999	15,696	34,780
$25,000 to $99,999	2,894	2,678	1,691	1,327	1,127	4,683
$100,000 or more	144	138	62	47	40	151
Secured by real estate ....farms	44,581	59,543	44,986	38,722	38,878	73,554
$1,000	365,019	412,854	280,649	232,598	226,080	547,200
Farms with expenses of-						
$1 to $999	5,514	8,708	7,533	6,900	7,355	11,199
$1,000 to $4,999	17,476	25,150	19,582	16,810	16,400	28,476
$5,000 to $24,999	19,174	23,332	16,458	13,910	14,151	30,497
$25,000 to $49,999	1,766	1,770	1,111	883	763	2,579
$50,000 or more	651	583	302	219	209	803
Not secured by real estate ....farms	38,825	46,132	31,214	24,021	22,437	43,615
$1,000	105,495	93,249	56,883	41,024	31,727	120,619
Farms with expenses of-						
$1 to $999	12,897	20,061	15,967	13,717	14,315	22,176
$1,000 to $4,999	19,859	21,881	12,893	8,618	6,807	15,027
$5,000 to $24,999	5,986	4,108	2,271	1,613	1,265	5,748
$25,000 to $49,999	81	79	81	71	50	658
$50,000 or more	2	3	2	2	-	6
Property taxes paid ....farms	151,609	256,446	226,641	220,104	242,884	441,708
$1,000	392,721	524,483	386,977	345,233	356,781	807,736
Farms with expenses of-						
$1 to $4,999	134,693	236,711	213,816	209,255	231,950	411,261
$5,000 to $9,999	12,622	14,674	9,845	8,523	8,528	21,966
$10,000 to $24,999	3,662	4,356	2,544	2,004	2,075	7,003
$25,000 or more	632	705	436	322	331	1,478
All other production expenses (see text) ....farms	104,697	151,000	99,526	80,884	77,982	148,812
$1,000	321,919	305,837	148,800	109,330	93,679	371,388
Farms with expenses of-						
$1 to $4,999	89,322	138,854	94,144	77,006	74,601	134,034
$5,000 to $24,999	14,285	11,231	4,995	3,593	3,169	12,788
$25,000 to $49,999	795	671	289	209	162	1,288
$50,000 to $99,999	240	199	81	65	36	469
$100,000 or more	55	45	17	11	14	233
Production expenses paid by landlords [1] ....farms	4,320	3,148	1,434	810	523	460
$1,000	20,524	9,202	3,086	1,642	908	1,242
Depreciation expenses claimed (see text) ....farms	91,978	129,068	97,495	78,580	72,033	111,360
$1,000	899,763	898,241	524,293	345,562	277,959	613,583
NET CASH FARM INCOME (SEE TEXT)						
Net cash farm income of operations (see text) ....farms	163,500	274,274	254,834	246,309	270,712	499,880
$1,000	1,217,904	153,105	-554,899	-810,792	-1,018,979	-4,276,820
Average per farm ....dollars	7,449	558	-2,177	-3,292	-3,764	-8,556
Farms with net gains [2] ....number	119,514	171,585	128,930	94,707	67,833	28,298
Average net gain ....dollars	19,344	10,000	5,713	4,480	4,798	11,677
Gain of-						
Less than $1,000	2,620	9,774	16,931	25,361	34,583	11,870
$1,000 to $4,999	12,070	44,486	71,659	56,913	22,253	6,461
$5,000 to $9,999	17,840	58,045	30,292	4,831	3,608	3,344
$10,000 to $24,999	57,349	52,432	6,310	4,411	4,317	3,707
$25,000 to $49,999	26,618	4,573	2,448	2,094	1,971	1,671
$50,000 or more	3,017	2,275	1,290	1,097	1,101	1,245
Farms with net losses ....number	43,986	102,689	125,904	151,602	202,879	471,582
Average net loss ....dollars	24,870	15,219	10,257	8,147	6,627	9,770
Loss of-						
Less than $1,000	2,497	8,694	15,348	23,126	35,635	47,362
$1,000 to $4,999	8,226	27,960	43,465	60,143	89,235	191,432
$5,000 to $9,999	7,776	22,435	28,871	32,585	40,698	108,473
$10,000 to $24,999	12,825	27,391	27,488	26,872	29,205	88,176
$25,000 to $49,999	7,295	10,787	7,752	6,629	6,272	25,121
$50,000 or more	5,367	5,422	2,980	2,247	1,834	11,018

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
NET CASH FARM INCOME (SEE TEXT) - Con.						
Net cash farm income of operators (see text) ..... farms	2,204,792	57,292	63,567	96,251	149,049	129,124
$1,000	64,197,836	38,974,771	11,687,889	9,512,807	6,951,574	2,437,668
Average per farm ..... dollars	29,117	680,283	183,867	98,833	46,640	18,879
Operators reporting net gains [2] ..... farms	1,025,783	50,979	56,042	83,459	125,092	101,885
Average net gain ..... dollars	81,061	818,298	229,992	129,487	67,560	34,352
Gain of-						
Less than $1,000	103,330	32	92	216	591	1,081
$1,000 to $4,999	222,713	204	386	804	2,558	4,772
$5,000 to $9,999	129,906	240	477	1,129	3,600	6,934
$10,000 to $24,999	173,780	838	1,886	4,051	13,281	26,856
$25,000 to $49,999	122,964	1,775	3,735	8,345	28,892	41,603
$50,000 or more	273,090	47,890	49,466	68,914	76,170	20,639
Operators reporting net losses ..... farms	1,179,009	6,313	7,525	12,792	23,957	27,239
Average net loss ..... dollars	16,075	434,223	159,642	101,161	62,597	38,999
Loss of-						
Less than $1,000	135,011	46	84	234	563	1,021
$1,000 to $4,999	428,133	165	310	673	2,096	3,685
$5,000 to $9,999	248,731	158	314	726	2,217	3,708
$10,000 to $24,999	228,206	456	927	2,028	5,114	7,274
$25,000 to $49,999	78,919	623	1,116	2,463	5,132	5,566
$50,000 or more	60,009	4,865	4,774	6,668	8,835	5,985
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)						
Total ..... farms	50,572	7,502	9,293	11,503	10,813	4,701
$1,000	4,445,758	1,894,512	1,193,476	839,797	405,258	78,745
INCOME FROM FARM-RELATED SOURCES						
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	693,187	34,409	41,157	62,227	86,469	62,378
$1,000	10,489,874	1,968,631	1,256,076	1,270,849	1,296,752	785,764
Customwork and other agricultural services ..... farms	121,874	11,428	14,031	18,765	20,042	11,802
$1,000	1,875,665	556,225	353,684	302,706	248,222	125,348
Gross cash rent or share payments ..... farms	241,923	6,063	6,067	9,629	16,654	16,888
$1,000	2,883,897	294,444	157,367	204,327	302,731	261,013
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	47,603	970	987	1,486	2,808	2,882
$1,000	594,944	31,102	27,531	29,059	44,653	39,422
Agri-tourism and recreational services (see text) ..... farms	23,350	698	940	1,568	2,608	2,314
$1,000	566,834	48,013	36,724	45,763	84,571	60,207
Patronage dividends and refunds from cooperatives ..... farms	288,196	24,403	30,082	45,089	57,846	34,863
$1,000	854,995	342,755	176,723	151,052	97,625	34,396
Crop and livestock insurance payments received (see text) ..... farms	82,001	8,622	11,508	16,067	18,380	9,924
$1,000	1,676,727	432,775	349,483	360,694	296,613	115,021
Amount from state and local government agricultural program payments (see text) ..... farms	34,410	1,527	1,848	3,256	4,961	3,395
$1,000	145,413	24,181	20,404	23,456	21,643	12,542
Other farm-related income sources (see text) ..... farms	118,939	4,765	5,406	8,321	11,701	9,031
$1,000	1,891,400	239,137	134,161	153,792	200,694	137,815
LAND USE						
Total cropland ..... farms	1,685,339	50,792	59,368	91,630	141,241	119,671
acres	406,424,909	91,150,046	72,600,530	72,225,477	60,882,078	28,277,667
Harvested cropland ..... farms	1,328,004	48,721	57,886	89,854	137,878	114,581
acres	309,607,601	82,593,747	63,726,544	61,055,473	47,621,322	19,520,108
Farms by acres harvested:						
1 to 49 acres	700,266	4,987	4,445	5,757	15,073	21,775
50 to 99 acres	179,055	2,490	2,212	4,118	11,313	16,063
100 to 199 acres	141,875	3,112	3,206	6,822	20,152	40,059
200 to 499 acres	143,776	5,861	7,257	19,237	60,767	32,364
500 to 999 acres	82,211	6,570	10,831	34,480	25,349	3,919
1,000 to 1,999 acres	53,728	9,244	22,054	17,072	4,877	369
2,000 acres or more	27,093	16,457	7,881	2,368	347	32
Cropland-						
For pasture or grazing only ..... farms	404,753	8,118	9,811	15,845	26,958	24,019
acres	35,771,154	2,538,532	2,497,348	3,477,257	4,682,592	3,487,749
On which all crops failed or were abandoned ..... farms	89,587	2,932	3,748	5,695	8,575	7,004
acres	7,405,898	801,705	887,278	1,156,833	1,376,500	745,256
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	360,225	9,049	10,822	14,891	21,240	18,178
acres	37,968,749	2,570,680	2,364,390	2,958,000	4,093,415	3,310,542
In cultivated summer fallow ..... farms	67,960	3,703	5,073	7,404	10,791	7,561
acres	15,671,507	2,645,382	3,124,970	3,577,914	3,108,249	1,214,012

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
NET CASH FARM INCOME (SEE TEXT) - Con.						
Net cash farm income of operators (see text) ....farms	163,500	274,274	254,834	246,309	270,712	499,880
$1,000	1,165,027	132,088	-558,664	-810,994	-1,018,759	-4,275,569
Average per farm .... dollars	7,126	482	-2,192	-3,293	-3,763	-8,553
Operators reporting net gains [2] ....farms	118,483	170,681	128,548	94,560	67,751	28,303
Average net gain .... dollars	19,164	9,975	5,713	4,482	4,803	11,680
Gain of-						
Less than $1,000	2,764	9,859	16,944	25,360	34,526	11,865
$1,000 to $4,999	12,318	44,703	71,497	56,773	22,229	6,469
$5,000 to $9,999	18,150	57,550	30,054	4,826	3,607	3,339
$10,000 to $24,999	56,389	51,725	6,313	4,411	4,317	3,713
$25,000 to $49,999	25,862	4,566	2,450	2,093	1,971	1,672
$50,000 or more	3,000	2,278	1,290	1,097	1,101	1,245
Operators reporting net losses ....farms	45,017	103,593	126,286	151,749	202,961	471,577
Average net loss .... dollars	24,559	15,160	10,239	8,137	6,623	9,768
Loss of-						
Less than $1,000	2,597	8,823	15,390	23,181	35,708	47,364
$1,000 to $4,999	8,481	28,227	43,640	60,181	89,235	191,440
$5,000 to $9,999	8,042	22,673	29,006	32,664	40,721	108,502
$10,000 to $24,999	13,108	27,596	27,520	26,853	29,192	88,138
$25,000 to $49,999	7,389	10,860	7,751	6,623	6,274	25,122
$50,000 or more	5,400	5,414	2,979	2,247	1,831	11,011
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)						
Total ....farms	2,657	1,992	994	514	351	252
$1,000	21,210	8,663	2,089	508	667	832
INCOME FROM FARM-RELATED SOURCES						
Total income from farm-related sources, gross before taxes and expenses (see text) ....farms	65,491	86,891	63,232	54,911	55,316	80,706
$1,000	732,496	837,648	542,895	450,113	441,515	907,135
Customwork and other agricultural services ....farms	10,966	12,655	7,043	5,357	4,570	5,215
$1,000	100,880	91,842	36,670	20,842	14,244	25,004
Gross cash rent or share payments ....farms	21,648	34,267	30,639	29,333	31,643	39,092
$1,000	260,538	349,025	275,991	257,948	271,280	249,232
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ....farms	4,259	7,359	6,330	5,878	6,038	8,606
$1,000	55,526	89,115	71,026	61,424	58,090	87,996
Agri-tourism and recreational services (see text) ....farms	2,648	3,563	2,060	1,736	1,581	3,634
$1,000	66,099	67,112	34,102	18,171	22,223	83,849
Patronage dividends and refunds from cooperatives ....farms	29,254	28,234	14,257	9,179	7,234	7,755
$1,000	20,512	15,212	5,556	3,369	2,483	5,314
Crop and livestock insurance payments received (see text) ....farms	7,076	5,392	2,070	1,183	871	908
$1,000	61,631	34,828	10,222	5,388	3,836	6,234
Amount from state and local government agricultural program payments (see text) ....farms	3,718	4,882	3,408	2,525	2,525	2,365
$1,000	11,325	12,766	7,276	4,521	3,475	3,824
Other farm-related income sources (see text) ....farms	10,453	15,520	11,158	9,552	9,367	23,665
$1,000	155,985	177,747	102,052	78,452	65,883	445,682
LAND USE						
Total cropland ....farms	146,778	232,153	201,551	180,881	176,283	284,991
acres	22,155,587	21,685,588	12,041,348	7,779,671	5,580,522	12,046,395
Harvested cropland ....farms	135,209	198,935	156,569	127,048	109,519	151,804
acres	12,517,530	10,290,808	4,953,549	2,880,406	1,907,188	2,540,926
Farms by acres harvested:						
1 to 49 acres	44,177	118,440	125,763	113,588	102,883	143,378
50 to 99 acres	41,688	54,354	24,023	10,854	5,437	6,503
100 to 199 acres	36,589	21,325	5,772	2,266	1,042	1,530
200 to 499 acres	11,910	4,615	968	327	152	318
500 to 999 acres	772	174	41	10	5	60
1,000 to 1,999 acres	69	26	2	1	-	14
2,000 acres or more	4	1	-	2	-	1
Cropland-						
For pasture or grazing only ....farms	31,455	53,103	48,487	45,169	47,414	94,374
acres	3,516,249	4,217,432	2,669,460	1,948,188	1,661,107	5,075,240
On which all crops failed or were abandoned ....farms	8,175	11,554	8,810	7,322	7,012	18,760
acres	627,299	555,248	304,489	218,717	173,257	559,316
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ....farms	23,432	42,985	44,093	46,209	50,974	78,352
acres	4,816,095	6,140,780	3,892,922	2,579,285	1,727,953	3,514,687
In cultivated summer fallow ....farms	7,100	8,018	5,158	3,633	3,203	6,316
acres	678,414	481,320	220,928	153,075	111,017	356,226

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
LAND USE - Con.						
Total woodland ..... farms	843,294	16,152	18,331	27,802	46,255	43,986
acres	75,098,603	4,103,301	3,827,879	6,064,517	7,068,234	6,988,735
Woodland pastured ..... farms	370,297	5,256	6,257	10,182	18,377	19,898
acres	28,609,690	1,554,559	1,820,296	2,724,354	3,390,960	3,540,163
Woodland not pastured ..... farms	596,123	13,217	14,859	22,352	35,940	31,657
acres	46,488,913	2,548,742	2,007,583	3,340,163	3,677,274	3,448,572
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ..... farms	1,132,606	19,701	24,993	42,015	71,189	64,559
acres	408,832,116	49,895,345	44,693,697	61,517,570	77,399,663	40,764,901
Land in house lots, ponds, roads, wasteland, etc. ..... farms	1,126,272	35,377	37,905	56,610	85,929	69,726
acres	31,740,212	4,273,006	2,673,207	3,252,328	3,988,352	3,703,317
Irrigated land ..... farms	301,028	23,292	19,997	25,202	33,803	25,958
acres	56,599,305	25,892,028	10,757,247	8,035,926	5,594,853	2,226,654
Harvested cropland ..... farms	256,105	22,788	19,672	24,726	32,778	24,588
acres	51,537,104	24,953,318	10,241,572	7,499,289	4,769,950	1,719,618
Pastureland and other land ..... farms	72,585	2,041	1,638	2,417	4,236	4,170
acres	5,062,201	938,710	515,675	536,637	824,903	507,036
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ..... farms	346,231	10,197	14,033	20,283	26,598	20,948
acres	38,547,450	1,689,678	2,090,786	2,827,722	4,373,848	4,044,221
Land enrolled in crop insurance programs (see text) ..... farms	349,408	30,614	39,772	59,391	76,917	48,325
acres	222,267,817	62,728,166	51,817,842	49,352,540	36,184,799	11,772,912
ORGANIC AGRICULTURE						
Land used for organic production (see text) ..... farms	20,437	731	581	1,025	2,149	1,878
acres	2,577,418	381,484	304,948	433,227	581,722	370,932
Total organic product sales (see text) ..... farms	18,211	702	558	970	1,995	1,766
$1,000	1,709,111	959,452	183,799	205,718	200,594	75,836
VALUE OF LAND AND BUILDINGS						
Estimated market value of land and buildings ..... farms	2,204,792	57,292	63,567	96,251	149,049	129,124
$1,000	1,744,295,252	332,707,174	214,631,535	219,021,873	212,015,322	122,982,236
Average per farm ..... dollars	791,138	5,807,219	3,376,462	2,275,528	1,422,454	952,435
Average per acre ..... dollars	1,892	2,227	1,734	1,531	1,420	1,542
Farms by value group:						
$1 to $49,999	223,182	708	583	836	2,158	3,271
$50,000 to $99,999	212,783	511	549	849	2,254	3,659
$100,000 to $199,999	374,783	1,041	1,201	2,138	5,990	9,206
$200,000 to $499,999	631,939	3,037	4,292	8,138	23,818	35,270
$500,000 to $999,999	371,783	5,642	6,747	14,903	40,634	42,984
$1,000,000 to $1,999,999	206,282	8,931	11,739	27,623	46,906	23,564
$2,000,000 to $4,999,999	132,549	16,299	25,253	35,481	23,066	9,028
$5,000,000 to $9,999,999	36,072	12,264	11,172	4,887	2,969	1,526
$10,000,000 or more	15,419	8,859	2,031	1,396	1,254	616
VALUE OF MACHINERY AND EQUIPMENT						
Estimated market value of all machinery and equipment ..... farms	2,204,513	57,289	63,567	96,248	149,040	129,120
$1,000	194,783,471	39,037,738	24,914,811	25,760,402	23,892,296	12,977,103
Farms by value group:						
$1 to $4,999	195,820	58	105	141	680	2,096
$5,000 to $9,999	217,460	175	290	359	1,320	3,262
$10,000 to $19,999	351,088	559	880	1,261	4,241	8,577
$20,000 to $49,999	598,289	2,606	3,239	5,046	17,327	29,776
$50,000 to $99,999	366,768	4,499	4,716	9,843	34,266	38,345
$100,000 to $199,999	232,001	7,292	8,910	24,843	50,023	31,240
$200,000 to $499,999	175,152	15,158	27,304	43,002	35,214	13,791
$500,000 or more	67,935	26,942	18,123	11,753	5,969	2,033
SELECTED MACHINERY AND EQUIPMENT						
Trucks, including pickups (see text) ..... farms	1,783,324	55,809	61,937	92,674	138,038	109,756
number	3,512,538	327,497	253,650	312,288	374,157	247,204
Tractors ..... farms	1,844,647	51,365	57,772	88,320	134,100	117,089
number	4,389,812	317,459	272,732	379,290	495,219	360,025
Less than 40 horsepower (PTO) ..... farms	910,937	19,520	20,651	32,191	51,787	48,447
number	1,280,039	46,715	36,400	53,987	84,578	76,550
40 to 99 horsepower (PTO) ..... farms	1,238,101	38,545	41,478	64,696	100,469	89,170
number	1,998,508	113,970	88,991	134,002	203,697	170,532
100 horsepower (PTO) or more ..... farms	555,941	37,835	46,860	74,071	101,240	68,209
number	1,111,265	156,774	147,341	191,301	206,944	112,943
Grain and bean combines, self-propelled ..... farms	295,490	23,959	36,038	55,302	65,091	37,867
number	346,935	34,817	44,501	64,863	74,572	42,908

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
LAND USE - Con.						
Total woodland ....farms	64,052	116,454	107,554	103,575	112,872	186,261
acres	7,235,767	10,252,243	7,446,163	6,165,831	5,569,246	10,376,687
Woodland pastured ....farms	31,227	58,354	50,494	43,173	42,184	84,895
acres	2,931,162	3,709,508	2,242,668	1,540,323	1,168,569	3,987,128
Woodland not pastured ....farms	44,053	78,265	73,800	73,990	83,572	124,418
acres	4,304,605	6,542,735	5,203,495	4,625,508	4,400,677	6,389,559
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ....farms	87,272	152,052	134,134	121,297	129,839	285,555
acres	29,918,196	38,801,652	12,700,893	7,927,985	6,190,940	39,021,274
Land in house lots, ponds, roads, wasteland, etc. ....farms	84,824	138,142	123,630	120,626	134,042	239,461
acres	2,363,696	3,209,326	2,115,761	1,684,428	1,547,402	2,929,389
Irrigated land ....farms	27,831	37,251	27,344	23,449	21,638	35,263
acres	1,387,699	1,035,946	474,440	311,419	221,592	661,501
Harvested cropland ....farms	25,704	32,882	22,676	18,316	14,863	17,112
acres	972,665	653,420	285,017	159,805	101,849	180,601
Pastureland and other land ....farms	5,151	8,448	7,573	7,417	8,675	20,819
acres	415,034	382,526	189,423	151,614	119,743	480,900
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ....farms	25,090	44,544	48,022	53,363	62,270	20,883
acres	5,885,343	7,648,908	4,842,978	3,049,582	1,830,532	263,852
Land enrolled in crop insurance programs (see text) ....farms	36,347	27,207	11,981	7,232	4,958	6,664
acres	5,295,795	2,861,171	896,706	466,767	257,161	633,958
ORGANIC AGRICULTURE						
Land used for organic production (see text) ....farms	2,324	3,301	2,629	2,163	1,863	1,793
acres	167,795	142,362	87,454	40,426	28,202	38,866
Total organic product sales (see text) ....farms	2,165	3,039	2,400	1,908	1,652	1,056
$1,000	41,946	25,976	9,168	4,233	1,943	447
VALUE OF LAND AND BUILDINGS						
Estimated market value of land and buildings ....farms	163,500	274,274	254,834	246,309	270,712	499,880
$1,000	112,302,842	137,395,503	91,397,105	73,929,895	69,149,469	158,762,299
Average per farm .... dollars	686,868	500,942	358,653	300,151	255,436	317,601
Average per acre .... dollars	1,821	1,858	2,664	3,138	3,661	2,466
Farms by value group:						
$1 to $49,999	6,358	16,640	25,519	34,582	49,964	82,563
$50,000 to $99,999	7,651	21,511	30,107	34,562	41,727	69,403
$100,000 to $199,999	19,771	48,997	55,713	57,402	63,273	110,051
$200,000 to $499,999	58,421	101,888	88,690	78,393	79,664	150,328
$500,000 to $999,999	42,714	55,957	39,252	30,812	28,079	64,059
$1,000,000 to $1,999,999	19,948	21,924	12,464	8,618	6,625	17,940
$2,000,000 to $4,999,999	7,177	6,234	2,708	1,673	1,175	4,455
$5,000,000 to $9,999,999	1,078	798	276	190	144	768
$10,000,000 or more	382	325	105	77	61	313
VALUE OF MACHINERY AND EQUIPMENT						
Estimated market value of all machinery and equipment ....farms	163,487	274,231	254,801	246,283	270,683	499,764
$1,000	12,061,080	14,349,934	10,096,587	7,954,943	7,480,408	16,258,167
Farms by value group:						
$1 to $4,999	4,991	14,756	21,760	29,348	44,550	77,335
$5,000 to $9,999	7,488	20,545	27,923	35,355	44,355	76,388
$10,000 to $19,999	17,624	43,214	51,734	55,960	60,640	106,398
$20,000 to $49,999	48,633	95,859	89,184	78,936	80,857	146,826
$50,000 to $99,999	45,895	62,962	43,314	33,151	28,550	61,227
$100,000 to $199,999	27,481	26,805	15,203	9,715	8,412	22,077
$200,000 to $499,999	10,121	9,328	5,303	3,589	3,175	9,167
$500,000 or more	1,254	762	380	229	144	346
SELECTED MACHINERY AND EQUIPMENT						
Trucks, including pickups (see text) ....farms	137,664	226,462	202,682	186,932	198,132	373,238
number	265,243	378,588	303,465	264,178	268,665	517,603
Tractors ....farms	144,893	237,900	215,710	201,098	212,156	384,244
number	378,772	521,469	407,754	343,606	333,059	580,427
Less than 40 horsepower (PTO) ....farms	63,171	111,307	107,925	108,781	122,094	225,063
number	95,214	158,984	147,429	143,556	155,482	281,144
40 to 99 horsepower (PTO) ....farms	110,786	178,245	151,499	128,900	123,235	211,078
number	197,442	285,249	216,883	171,790	155,451	260,501
100 horsepower (PTO) or more ....farms	59,285	59,089	34,841	23,371	18,360	32,780
number	86,116	77,236	43,442	28,260	22,126	38,782
Grain and bean combines, self-propelled ....farms	28,390	22,977	11,215	6,545	4,262	3,844
number	31,743	25,362	12,241	7,136	4,630	4,162

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
SELECTED MACHINERY AND EQUIPMENT - Con.						
Cotton pickers and strippers, self-propelled ..... farms	12,500	2,727	3,066	2,845	1,979	750
number	18,162	4,970	4,433	3,908	2,549	951
Forage harvesters, self-propelled ..... farms	60,133	4,260	4,245	7,342	9,992	6,288
number	64,191	5,250	4,785	7,997	10,725	6,704
Hay balers ..... farms	593,543	13,867	18,763	35,709	60,538	51,707
number	727,501	17,889	23,503	44,752	76,097	65,336
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners ..... farms	1,022,036	43,728	53,609	83,822	124,918	99,317
acres treated	265,995,497	73,264,996	55,589,469	52,171,893	40,085,874	16,602,076
Manure ..... farms	307,073	20,133	19,598	29,634	41,117	26,684
acres treated	22,096,315	6,714,287	3,366,758	3,417,375	3,125,926	1,473,014
Acres treated with chemicals to control-						
Insects ..... farms	354,357	31,619	33,916	47,703	61,108	41,056
acres	90,947,822	35,480,491	20,475,295	16,373,873	10,834,063	3,694,499
Weeds, grass, or brush ..... farms	703,884	37,279	45,118	70,682	101,949	75,301
acres	226,295,783	64,691,022	50,460,160	47,288,449	34,223,688	12,491,605
Nematodes ..... farms	34,992	4,211	3,696	4,946	6,392	4,079
acres	7,560,158	2,985,529	1,576,155	1,350,873	973,233	325,085
Diseases in crops and orchards ..... farms	97,333	11,556	10,716	13,065	14,806	9,953
acres	22,693,212	11,005,577	5,167,193	3,524,401	1,882,383	575,496
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms	44,638	6,290	5,800	6,170	6,941	4,363
acres treated	12,125,799	5,941,328	3,041,031	1,761,353	906,078	227,568
TENURE						
Full owners ..... farms	1,522,033	19,465	16,125	23,162	50,014	60,643
Part owners ..... farms	542,192	31,748	40,816	62,394	80,757	53,950
Tenants ..... farms	140,567	6,079	6,626	10,695	18,278	14,531
OWNED AND RENTED LAND						
Land owned ..... farms	2,072,101	51,368	57,190	85,976	131,757	115,694
acres	646,247,118	79,926,830	64,413,545	79,816,689	92,981,438	58,027,709
Owned land in farms ..... farms	2,064,225	51,213	56,941	85,556	130,771	114,593
acres	571,303,487	76,686,335	61,888,646	75,851,580	86,484,224	51,261,562
Land rented or leased from others ..... farms	689,102	38,024	47,571	73,351	99,575	69,018
acres	355,918,954	73,499,468	62,350,394	67,811,070	63,562,923	29,119,234
Rented or leased land in farms ..... farms	682,759	37,827	47,442	73,089	99,035	68,481
acres	350,792,353	72,735,363	61,906,667	67,208,312	62,854,103	28,473,058
Land rented or leased to others ..... farms	314,140	6,974	6,662	10,504	18,761	19,956
acres	80,070,232	4,004,600	2,968,626	4,567,867	7,206,034	7,412,323
NUMBER OF OPERATORS						
Total operators ..... number	3,337,450	115,449	108,157	153,537	227,548	192,282
Farms by number of operators:						
1 operator	1,273,122	22,562	31,213	52,586	87,189	77,988
2 operators	786,598	21,351	23,418	33,384	49,141	41,987
3 operators	112,285	8,698	6,842	8,110	10,230	7,359
4 operators	22,529	2,715	1,518	1,576	1,758	1,256
5 or more operators	10,258	1,966	576	595	731	534
Total women operators ..... number	1,008,943	21,848	21,556	31,944	50,301	45,048
Farms by number of women operators:						
1 operator	894,347	17,007	18,721	28,054	44,381	40,047
2 operators	45,408	1,545	1,120	1,529	2,317	2,002
3 operators	5,439	316	117	180	293	241
4 operators	1,017	80	26	32	66	39
5 or more operators	546	70	24	19	21	22
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male	1,898,583	55,284	61,164	92,566	141,315	119,354
Female	306,209	2,008	2,403	3,685	7,734	9,770
Primary occupation:						
Farming	993,881	52,041	58,072	85,812	118,767	84,774
Other	1,210,911	5,251	5,495	10,439	30,282	44,350
Place of residence:						
On farm operated	1,693,362	41,457	51,151	79,183	119,144	98,097
Not on farm operated	511,430	15,835	12,416	17,068	29,905	31,027
Days worked off farm:						
None	777,747	39,656	42,280	58,291	75,685	51,926
Any	1,427,045	17,636	21,287	37,960	73,364	77,198
1 to 49 days	238,479	3,633	5,424	9,857	14,577	12,256
50 to 99 days	115,578	1,289	1,906	3,756	7,280	6,971
100 to 199 days	196,687	1,860	2,658	5,754	12,785	13,175
200 days or more	876,301	10,854	11,299	18,593	38,722	44,796
Years on present farm:						
2 years or less	84,883	1,147	857	1,372	2,762	3,102
3 or 4 years	138,858	1,726	1,335	2,112	4,537	5,129
5 to 9 years	359,545	5,056	4,401	7,236	13,860	14,576

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
SELECTED MACHINERY AND EQUIPMENT - Con.						
Cotton pickers and strippers, self-propelled ....farms	460	306	167	85	44	71
number	554	353	211	102	55	76
Forage harvesters, self-propelled ....farms	5,816	6,793	4,564	3,435	2,883	4,515
number	6,087	7,011	4,669	3,482	2,907	4,574
Hay balers ....farms	62,999	95,460	72,970	56,157	48,122	77,251
number	79,706	119,432	89,482	67,010	56,073	88,221
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners ....farms	111,284	151,150	107,411	81,232	66,599	98,966
acres treated	10,901,948	8,478,675	3,700,543	1,919,604	1,190,188	2,090,231
Manure ....farms	27,339	37,303	27,471	21,659	19,906	36,229
acres treated	1,164,958	1,140,563	587,021	354,599	263,765	488,049
Acres treated with chemicals to control-						
Insects ....farms	35,773	36,293	20,636	15,047	12,072	19,134
acres	1,863,263	1,099,630	412,729	235,130	154,128	324,721
Weeds, grass, or brush ....farms	75,765	92,054	61,531	46,451	39,884	57,870
acres	7,048,515	4,898,569	2,079,398	1,107,637	728,857	1,277,883
Nematodes ....farms	3,474	3,085	1,753	1,147	890	1,319
acres	167,102	94,068	34,997	22,562	10,940	19,614
Diseases in crops and orchards ....farms	9,665	10,438	6,141	4,158	2,872	3,963
acres	273,667	147,896	52,234	21,536	12,207	30,622
Chemicals used to control growth, thin fruit, ripen, or defoliate ....farms	4,006	4,140	2,302	1,660	1,193	1,773
acres treated	114,823	71,126	23,073	12,023	7,475	19,921
TENURE						
Full owners ....farms	94,698	186,971	195,268	203,414	234,950	437,323
Part owners ....farms	54,308	69,552	46,321	32,622	26,355	43,369
Tenants ....farms	14,494	17,751	13,245	10,273	9,407	19,188
OWNED AND RENTED LAND						
Land owned ....farms	150,097	257,594	242,292	236,625	261,831	481,677
acres	50,546,138	68,962,561	35,903,939	26,473,004	22,162,101	67,033,164
Owned land in farms ....farms	149,006	256,523	241,589	236,036	261,305	480,692
acres	42,051,073	58,114,522	27,734,508	19,667,843	16,180,789	55,382,405
Land rented or leased from others ....farms	69,452	88,285	60,297	43,568	36,408	63,553
acres	20,200,175	16,249,946	6,851,553	4,029,039	2,850,934	9,394,218
Rented or leased land in farms ....farms	68,802	87,303	59,566	42,895	35,762	62,557
acres	19,622,173	15,834,287	6,569,657	3,890,072	2,707,321	8,991,340
Land rented or leased to others ....farms	26,998	45,351	41,823	40,678	44,010	52,423
acres	9,073,067	11,263,698	8,451,327	6,944,128	6,124,925	12,053,637
NUMBER OF OPERATORS						
Total operators ....number	242,388	406,247	374,361	361,482	398,947	757,052
Farms by number of operators:						
1 operator	98,953	164,799	154,146	147,840	159,883	275,963
2 operators	53,718	92,852	86,881	86,230	98,185	199,451
3 operators	8,689	13,068	10,733	9,503	9,963	19,090
4 operators	1,497	2,506	2,119	1,894	1,859	3,831
5 or more operators	643	1,049	955	842	822	1,545
Total women operators ....number	62,719	117,434	116,380	118,109	137,189	286,415
Farms by number of women operators:						
1 operator	55,693	104,273	103,509	105,749	123,110	253,803
2 operators	2,816	5,175	4,966	4,858	5,611	13,469
3 operators	352	644	666	631	638	1,361
4 operators	45	117	149	111	120	232
5 or more operators	28	73	63	43	75	108
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male	147,208	239,808	216,864	206,647	223,232	395,141
Female	16,292	34,466	37,970	39,662	47,480	104,739
Primary occupation:						
Farming	89,872	120,743	91,211	75,712	73,989	142,888
Other	73,628	153,531	163,623	170,597	196,723	356,992
Place of residence:						
On farm operated	121,967	204,904	189,581	184,323	206,852	396,703
Not on farm operated	41,533	69,370	65,253	61,986	63,860	103,177
Days worked off farm:						
None	57,836	87,834	76,688	71,938	75,522	140,091
Any	105,664	186,440	178,146	174,371	195,190	359,789
1 to 49 days	15,681	27,619	28,012	29,633	34,109	57,678
50 to 99 days	9,510	15,840	14,654	13,728	14,404	26,240
100 to 199 days	17,378	28,956	24,812	22,668	23,379	43,262
200 days or more	63,095	114,025	110,668	108,342	123,298	232,609
Years on present farm:						
2 years or less	4,841	8,850	9,046	10,244	12,455	30,207
3 or 4 years	7,473	14,625	16,628	17,846	22,339	45,108
5 to 9 years	21,286	41,238	44,247	46,162	56,243	105,240

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Years on present farm - Con.						
10 years or more	1,621,506	49,363	56,974	85,531	127,890	106,317
Average years on present farm	21.6	25.2	27.1	27.6	27.3	26.3
Age group:						
Under 25 years	11,878	150	194	555	1,211	922
25 to 34 years	106,735	2,734	3,240	5,927	10,388	7,916
35 to 44 years	268,818	9,414	9,678	13,661	18,819	14,641
45 to 49 years	256,694	9,412	9,832	13,943	18,448	14,065
50 to 54 years	308,707	10,602	11,906	16,896	22,507	16,917
55 to 59 years	312,577	8,913	10,359	14,895	21,601	17,423
60 to 64 years	283,729	6,418	7,492	11,658	18,235	16,421
65 to 69 years	235,152	4,410	4,976	8,221	14,465	14,028
70 years and over	420,502	5,239	5,890	10,495	23,375	26,791
Average age	57.1	53.4	53.6	54.0	55.3	57.3
Spanish, Hispanic, or Latino origin (see text)	55,570	1,036	829	1,249	2,262	2,653
Race:						
American Indian or Alaska Native	34,706	218	211	412	817	1,024
Asian	11,214	855	563	579	939	949
Black or African American	30,599	111	137	156	375	772
Native Hawaiian or Other Pacific Islander	1,356	20	11	30	41	63
White	2,114,325	55,988	62,468	94,830	146,426	125,754
More than one race reported	12,592	100	177	244	451	562
Farms by number of persons living in operator's household:						
1 person	275,842	3,878	4,841	8,710	16,660	16,738
2 people	1,108,995	24,829	28,510	44,215	71,664	65,487
3 people	330,188	9,070	10,225	15,243	22,362	18,799
4 people	285,919	10,211	10,685	14,836	20,151	15,451
5 or more people	203,848	9,304	9,306	13,247	18,212	12,649
Percent of operator's total household income from farming:						
Less than 25 percent	1,583,710	7,531	8,075	15,481	38,428	52,491
25 to 49 percent	174,800	4,306	5,218	10,007	20,770	22,911
50 to 74 percent	187,421	10,233	13,126	20,843	33,362	26,517
75 to 99 percent	147,092	17,745	19,175	26,539	31,487	17,365
100 percent	111,769	17,477	17,973	23,381	25,002	9,840
Operator is a hired manager ... farms	59,759	8,007	5,375	5,961	6,998	4,795
acres	120,672,499	31,387,113	15,928,160	15,405,848	14,735,728	7,434,203
Farms with-						
Internet access	1,246,723	47,218	49,198	69,445	94,288	74,707
High-speed internet access	726,700	34,342	33,159	43,546	55,267	43,082
Farms by number of households sharing in net income of farm:						
1 household	1,733,827	30,297	39,823	66,034	108,509	95,575
2 households	356,707	14,825	15,631	21,191	30,198	25,484
3 households	66,438	7,092	5,022	5,643	6,258	4,784
4 households	30,004	2,841	1,763	1,959	2,425	2,160
5 households or more	17,816	2,237	1,328	1,424	1,659	1,121
FARMS BY TYPE OF ORGANIZATION						
Family or individual ... farms	1,906,335	27,944	40,937	71,418	120,073	107,783
acres	574,150,050	54,861,257	67,026,128	90,183,797	103,207,351	57,526,356
Partnership ... farms	174,247	14,128	10,834	12,525	15,613	12,823
acres	161,416,999	50,571,247	26,856,394	24,560,919	22,235,942	10,565,896
Registered under state law ... farms	89,739	11,262	7,510	8,002	9,110	6,828
acres	114,284,815	41,148,914	19,547,740	16,554,489	15,163,363	6,710,342
Corporation ... farms	96,074	14,694	11,284	11,464	11,600	6,775
acres	125,319,810	40,233,407	26,385,148	23,435,395	16,652,582	6,138,760
Family held ... farms	85,837	12,867	10,593	10,782	10,761	6,149
acres	114,264,200	34,544,978	24,999,725	22,502,124	15,877,701	5,690,886
More than 10 stockholders ... farms	2,041	553	196	176	176	137
10 or less stockholders ... farms	83,796	12,314	10,397	10,606	10,585	6,012
Other than family held ... farms	10,237	1,827	691	682	839	626
acres	11,055,610	5,688,429	1,385,423	933,271	774,881	447,874
More than 10 stockholders ... farms	907	364	53	42	47	48
10 or less stockholders ... farms	9,330	1,463	638	640	792	578
Other-cooperative, estate or trust, institutional, etc ... farms	28,136	526	512	844	1,763	1,743
acres	61,208,981	3,755,787	3,527,643	4,879,781	7,242,452	5,503,608
HIRED FARM LABOR						
Hired farm labor ... farms	482,186	46,398	43,990	55,824	65,728	41,708
workers	2,636,509	1,076,440	279,682	262,389	261,708	146,798
Workers by days worked:						
150 days or more ... farms	201,292	39,681	31,513	33,699	31,854	14,831
workers	911,439	521,566	107,890	88,980	71,825	30,141
Less than 150 days ... farms	384,051	30,659	30,671	39,723	49,366	33,694
workers	1,725,070	554,874	171,792	173,409	189,883	116,657

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Years on present farm - Con.						
10 years or more	129,900	209,561	184,913	172,057	179,675	319,325
Average years on present farm	25.0	23.0	21.2	19.8	18.4	17.4
Age group:						
Under 25 years	1,163	1,523	1,277	1,327	1,433	2,123
25 to 34 years	9,004	12,605	11,073	10,214	12,168	21,466
35 to 44 years	16,923	28,308	27,941	28,684	35,024	65,725
45 to 49 years	16,237	27,301	26,295	26,920	32,040	62,201
50 to 54 years	20,161	34,124	32,590	32,783	37,260	72,961
55 to 59 years	21,742	37,019	34,663	34,180	38,112	73,670
60 to 64 years	21,058	35,767	33,633	32,292	34,718	66,037
65 to 69 years	19,086	32,254	29,756	27,603	28,491	51,862
70 years and over	38,126	65,373	57,606	52,306	51,466	83,835
Average age	58.4	58.8	58.5	58.0	57.1	56.5
Spanish, Hispanic, or Latino origin (see text)	3,756	6,505	6,172	6,549	7,481	17,078
Race:						
American Indian or Alaska Native	1,537	3,301	3,712	4,103	5,169	14,202
Asian	1,071	1,572	1,171	987	981	1,547
Black or African American	1,409	3,519	4,381	4,623	5,351	9,765
Native Hawaiian or Other Pacific Islander	85	198	153	175	237	343
White	158,595	263,909	243,870	234,846	257,260	470,379
More than one race reported	803	1,775	1,547	1,575	1,714	3,644
Farms by number of persons living in operator's household:						
1 person	21,486	37,292	34,257	32,743	34,704	64,533
2 people	86,583	146,670	134,107	127,149	134,400	245,381
3 people	22,815	38,174	36,606	36,171	41,524	79,199
4 people	18,722	31,095	30,435	30,465	36,584	67,284
5 or more people	13,894	21,043	19,429	19,781	23,500	43,483
Percent of operator's total household income from farming:						
Less than 25 percent	91,308	202,276	217,876	223,242	251,841	475,161
25 to 49 percent	29,197	36,002	19,368	10,557	7,569	8,895
50 to 74 percent	25,001	22,511	11,158	7,987	7,513	9,170
75 to 99 percent	12,182	9,102	4,338	2,981	2,484	3,694
100 percent	5,812	4,383	2,094	1,542	1,305	2,960
Operator is a hired manager ....farms	4,431	5,774	4,368	3,572	3,422	7,056
acres	3,131,913	14,168,107	1,470,351	740,832	493,601	15,776,643
Farms with-						
Internet access	89,766	145,770	131,423	127,795	144,185	272,928
High-speed internet access	51,708	82,193	74,095	72,050	81,085	156,173
Farms by number of households sharing in net income of farm:						
1 household	123,513	213,110	202,637	200,875	225,111	428,343
2 households	30,834	48,075	41,219	36,151	36,100	56,999
3 households	5,164	7,522	6,273	5,194	5,365	8,121
4 households	2,607	3,636	3,106	2,612	2,720	4,175
5 households or more	1,382	1,931	1,599	1,477	1,416	2,242
FARMS BY TYPE OF ORGANIZATION						
Family or individual ....farms	140,157	242,040	229,442	223,862	248,794	453,885
acres	48,826,363	50,410,929	28,582,687	20,143,159	16,145,001	37,237,022
Partnership ....farms	14,693	20,633	16,498	14,382	14,051	28,067
acres	7,421,128	6,679,468	3,079,876	1,929,114	1,418,167	6,098,848
Registered under state law ....farms	7,470	9,552	7,118	5,894	5,546	11,447
acres	4,505,516	3,688,564	1,561,999	1,001,680	698,161	3,704,047
Corporation ....farms	6,579	7,893	5,277	4,550	4,228	11,730
acres	3,727,004	2,986,819	1,206,222	789,487	584,524	3,180,462
Family held ....farms	5,918	6,972	4,588	3,834	3,547	9,826
acres	3,318,021	2,640,641	997,340	684,345	491,334	2,517,105
More than 10 stockholders ....farms	132	173	115	111	78	194
10 or less stockholders ....farms	5,786	6,799	4,473	3,723	3,469	9,632
Other than family held ....farms	661	921	689	716	681	1,904
acres	408,983	346,178	208,882	105,142	93,190	663,357
More than 10 stockholders ....farms	30	60	34	50	58	121
10 or less stockholders ....farms	631	861	655	666	623	1,783
Other-cooperative, estate or trust, institutional, etc ....farms	2,071	3,708	3,617	3,515	3,639	6,198
acres	1,698,751	13,871,593	1,435,380	696,155	740,418	17,857,413
HIRED FARM LABOR						
Hired farm labor ....farms	43,177	55,503	37,613	28,227	23,808	40,210
workers	135,213	156,868	95,151	68,142	54,623	99,495
Workers by days worked:						
150 days or more ....farms	11,727	11,959	6,479	4,907	3,838	10,804
workers	22,550	22,261	11,625	8,701	6,442	19,458
Less than 150 days ....farms	36,585	48,742	33,910	25,372	21,529	33,800
workers	112,663	134,607	83,526	59,441	48,181	80,037

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
HIRED FARM LABOR - Con.						
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	6,955	4,665	5,076	6,109	3,493
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	178	235	482	1,105	1,085
FARMS BY SIZE						
1 to 9 acres	232,849	1,260	1,481	1,926	3,798	4,054
10 to 49 acres	620,283	4,852	3,864	4,230	8,635	11,932
50 to 69 acres	153,862	1,572	1,105	1,468	3,414	3,168
70 to 99 acres	192,043	1,868	1,360	2,040	4,734	5,631
100 to 139 acres	175,146	1,875	1,525	2,421	5,098	9,459
140 to 179 acres	139,479	1,509	1,328	2,137	5,996	13,361
180 to 219 acres	87,502	1,300	1,212	1,965	6,294	10,244
220 to 259 acres	68,313	1,173	1,167	2,066	7,409	9,171
260 to 499 acres	212,553	5,124	4,952	12,472	41,621	28,300
500 to 999 acres	149,713	6,980	9,608	31,286	32,580	17,839
1,000 to 1,999 acres	92,656	9,094	20,629	20,379	15,219	9,502
2,000 acres or more	80,393	20,685	15,336	13,861	14,251	6,463
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)						
Oilseed and grain farming (1111)	338,237	14,248	29,181	48,253	67,885	49,444
Vegetable and melon farming (1112)	40,589	2,654	1,183	1,286	2,080	2,671
Fruit and tree nut farming (1113)	98,281	3,203	2,730	4,262	8,161	8,991
Greenhouse, nursery, and floriculture production (1114)	54,889	2,919	2,001	2,628	5,465	4,425
Other crop farming (1119)	519,893	3,693	4,939	6,429	10,402	12,709
Tobacco farming (11191)	9,626	161	386	624	1,132	1,368
Cotton farming (11192)	9,968	1,244	1,924	2,055	1,888	930
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	2,288	2,629	3,750	7,382	10,411
Beef cattle ranching and farming (112111)	656,475	3,727	5,253	11,366	26,514	36,825
Cattle feedlots (112112)	31,065	2,958	1,315	1,585	2,344	2,243
Dairy cattle and milk production (11212)	57,318	6,033	5,533	12,034	18,547	5,879
Hog and pig farming (1122)	30,546	5,104	3,144	2,340	2,073	1,092
Poultry and egg production (1123)	64,570	11,593	7,151	4,422	1,942	522
Sheep and goat farming (1124)	67,254	54	92	170	467	601
Animal aquaculture and other animal production (1125, 1129)	245,675	1,106	1,045	1,476	3,169	3,722
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited resource farms ..... farms	308,837	-	-	-	687	11,594
acres	42,419,764	-	-	-	830,288	6,833,579
Retirement farms ..... farms	456,093	-	-	385	15,300	23,097
acres	89,580,775	-	-	504,262	12,677,334	11,748,413
Residential/lifestyle farms ..... farms	801,844	-	-	663	25,118	35,116
acres	121,143,585	-	-	820,429	18,013,418	16,052,284
Farming occupation/lower sales ..... farms	258,899	-	1	9	5,012	52,739
acres	87,190,445	-	(D)	24,241	6,480,128	35,388,322
Farming occupation/higher sales ..... farms	100,126	-	4	5,984	94,138	-
acres	104,081,344	-	5,912	9,773,584	94,301,848	-
Large family farms ..... farms	86,551	2	4,281	82,268	-	-
acres	123,024,138	(D)	(D)	113,914,444	-	-
Very large family farms ..... farms	101,265	48,086	53,179	-	-	-
acres	211,224,012	114,415,419	96,808,593	-	-	-
Non-family farms ..... farms	91,177	9,204	6,102	6,942	8,794	6,578
acres	143,431,777	(D)	(D)	18,022,932	17,035,311	9,712,022
LIVESTOCK						
Cattle and calves inventory ..... farms	963,669	25,504	27,957	46,974	76,580	67,030
number	96,347,858	33,597,217	9,600,021	11,634,423	12,550,407	7,532,013
Farms with-						
1 to 9	233,078	637	915	1,299	2,325	3,150
10 to 49	415,493	3,014	3,962	5,908	12,457	17,363
50 to 99	135,117	2,236	3,151	6,119	20,332	17,438
100 to 199	91,193	2,537	4,555	14,489	20,388	18,759
200 to 499	59,234	4,346	9,726	12,996	17,343	9,642
500 or more	29,554	12,734	5,648	6,163	3,735	678
Cows and heifers that had calved ..... farms	818,992	19,672	23,224	40,335	67,121	58,456
number	42,101,375	9,184,278	4,110,794	5,517,551	6,603,441	4,179,544
Beef cows ..... farms	764,984	13,622	17,651	28,874	49,887	52,805
number	32,834,801	3,335,260	3,114,171	4,374,370	5,611,373	3,987,139
Farms with-						
1 to 9	246,863	770	1,185	2,078	3,677	4,194
10 to 49	360,845	4,099	5,296	8,189	15,175	18,017
50 to 99	84,253	2,604	3,462	5,844	10,200	15,042
100 to 199	43,575	2,381	3,254	5,259	10,879	12,810
200 to 499	23,635	2,276	2,755	5,649	9,364	2,649
500 or more	5,813	1,492	1,699	1,855	592	93

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
HIRED FARM LABOR - Con.						
Migrant farm labor on farms with hired labor (see text) ....farms	3,210	3,280	1,889	1,281	947	1,879
Migrant farm labor on farms reporting only contract labor (see text) ....farms	1,306	1,460	774	523	425	915
FARMS BY SIZE						
1 to 9 acres	7,829	19,532	23,447	31,287	45,872	92,363
10 to 49 acres	20,018	50,629	71,126	90,719	125,853	228,425
50 to 69 acres	7,603	20,240	25,238	26,009	25,951	38,094
70 to 99 acres	15,505	31,016	33,457	31,704	26,834	37,894
100 to 139 acres	17,685	31,800	29,821	23,616	17,526	34,320
140 to 179 acres	16,187	27,265	23,381	16,325	10,581	21,409
180 to 219 acres	11,255	18,079	12,586	7,720	5,425	11,422
220 to 259 acres	9,252	14,196	8,820	4,749	3,243	7,067
260 to 499 acres	29,660	38,657	19,040	9,718	6,334	16,675
500 to 999 acres	17,358	16,048	5,560	3,090	2,156	7,208
1,000 to 1,999 acres	7,434	4,485	1,551	934	639	2,790
2,000 acres or more	3,714	2,327	807	438	298	2,213
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)						
Oilseed and grain farming (1111)	42,383	37,861	21,771	13,747	8,948	4,516
Vegetable and melon farming (1112)	4,150	7,866	6,549	5,538	4,121	2,491
Fruit and tree nut farming (1113)	11,965	17,590	11,980	9,860	6,959	12,580
Greenhouse, nursery, and floriculture production (1114)	5,696	8,524	6,171	5,230	4,223	7,607
Other crop farming (1119)	23,718	59,352	74,619	88,847	108,982	126,203
Tobacco farming (11191)	1,690	2,097	1,261	643	223	41
Cotton farming (11192)	715	677	289	165	64	17
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	21,313	56,578	73,069	88,039	108,695	126,145
Beef cattle ranching and farming (112111)	60,799	116,418	102,784	84,650	78,923	129,216
Cattle feedlots (112112)	2,545	4,576	4,427	4,104	4,159	809
Dairy cattle and milk production (11212)	3,204	2,481	1,792	1,643	69	103
Hog and pig farming (1122)	887	1,435	1,681	2,255	3,709	6,826
Poultry and egg production (1123)	545	1,047	1,542	2,855	8,048	24,903
Sheep and goat farming (1124)	1,150	3,285	4,711	7,685	14,795	34,244
Animal aquaculture and other animal production (1125, 1129)	6,458	13,839	16,807	19,895	27,776	150,382
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited resource farms ....farms	18,335	41,755	44,000	44,179	49,614	98,673
acres	5,838,030	7,955,931	5,365,558	3,882,896	3,176,404	8,537,078
Retirement farms ....farms	40,181	75,053	67,734	62,997	64,362	106,984
acres	14,682,560	17,096,093	9,626,763	6,544,203	5,014,001	11,687,146
Residential/lifestyle farms ....farms	55,170	107,103	108,648	109,992	126,983	233,051
acres	17,232,379	21,301,348	12,878,284	9,349,256	7,499,400	17,996,787
Farming occupation/lower sales ....farms	43,189	40,722	26,290	21,734	22,328	46,875
acres	19,400,494	11,587,902	4,014,748	2,506,237	(D)	5,766,546
Farming occupation/higher sales ....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Large family farms ....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Very large family farms ....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Non-family farms ....farms	6,625	9,641	8,162	7,407	7,425	14,297
acres	4,519,783	16,007,535	2,418,812	1,275,323	(D)	20,386,188
LIVESTOCK						
Cattle and calves inventory ....farms	87,000	145,871	122,963	100,675	94,945	168,170
number	6,560,320	6,456,543	3,118,827	1,675,098	1,123,737	2,499,252
Farms with-						
1 to 9	5,476	13,662	22,200	35,223	53,031	95,160
10 to 49	29,634	84,978	89,542	62,149	40,280	66,206
50 to 99	28,611	38,176	9,929	2,825	1,274	5,026
100 to 199	19,703	7,949	1,071	366	246	1,130
200 to 499	3,337	962	195	100	100	487
500 or more	239	144	26	12	14	161
Cows and heifers that had calved ....farms	77,612	131,882	109,186	86,432	77,568	127,504
number	3,808,270	3,872,446	1,894,740	1,001,715	641,659	1,286,937
Beef cows ....farms	74,589	129,830	107,737	85,350	77,374	127,265
number	3,747,440	3,850,995	1,888,533	999,056	640,277	1,286,187
Farms with-						
1 to 9	6,952	17,466	27,991	42,893	54,968	84,689
10 to 49	34,333	94,090	76,958	41,716	22,004	40,968
50 to 99	26,142	16,338	2,493	633	319	1,176
100 to 199	6,570	1,714	260	81	68	299
200 to 499	563	193	35	24	15	112
500 or more	29	29	-	3	-	21

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
LIVESTOCK - Con.						
Cattle and calves inventory - Con.						
Cows and heifers that had calved - Con.						
Milk cows ..... farms	69,890	6,808	6,569	13,456	20,546	7,411
number	9,266,574	5,849,018	996,623	1,143,181	992,068	192,405
Farms with-						
1 to 9	14,426	57	116	307	859	1,127
10 to 49	19,912	64	189	875	9,982	5,759
50 to 99	18,986	181	824	8,097	9,286	507
100 to 199	8,975	477	4,009	4,062	403	18
200 to 499	4,307	2,759	1,419	114	15	-
500 or more	3,284	3,270	12	1	1	-
Other cattle (see text) ..... farms	788,633	23,810	26,007	44,044	71,068	60,704
number	54,246,483	24,412,939	5,489,227	6,116,872	5,946,966	3,352,469
Cattle and calves sold ..... farms	798,290	24,386	26,865	45,758	74,788	65,660
number	74,071,936	39,598,957	6,658,835	7,066,944	7,258,974	4,314,649
$1,000	61,209,970	38,165,974	5,199,068	5,172,589	4,885,909	2,691,244
Calves weighing less than 500 pounds ..... farms	414,324	12,141	12,459	21,328	36,105	32,415
number	13,695,252	4,314,071	1,243,948	1,477,482	1,771,885	1,269,454
Cattle, including calves weighing 500 pounds or more ..... farms	681,126	22,554	24,882	42,769	69,492	60,540
number	60,376,684	35,284,886	5,414,887	5,589,462	5,487,089	3,045,195
Cattle on feed (see text) ..... farms	76,396	6,303	5,639	8,486	10,944	7,566
number	27,595,928	24,694,593	1,097,582	798,061	525,649	204,055
Hogs and pigs inventory ..... farms	75,442	7,621	5,733	5,629	6,103	4,236
number	67,786,318	50,974,173	9,241,525	4,264,890	1,974,841	582,394
Farms with-						
1 to 24	45,047	339	452	817	1,663	1,782
25 to 49	4,292	66	90	195	440	447
50 to 99	3,182	39	110	241	494	528
100 to 199	2,590	57	159	349	638	571
200 to 499	4,524	244	554	1,123	1,489	691
500 or more	15,807	6,876	4,368	2,904	1,379	217
Used or to be used for breeding ..... farms	32,867	2,159	1,772	2,380	3,167	2,351
number	6,290,610	4,816,449	626,331	376,333	227,280	78,225
Other hogs and pigs ..... farms	66,441	7,538	5,574	5,438	5,736	3,877
number	61,495,708	46,157,724	8,615,194	3,888,557	1,747,561	504,169
Hogs and pigs sold ..... farms	74,789	7,830	6,027	6,012	6,510	4,469
number	206,807,181	163,099,490	25,617,289	11,191,931	4,590,443	1,142,229
$1,000	18,056,981	14,276,646	2,285,539	932,704	373,149	90,229
Sheep and lambs inventory ..... farms	83,134	738	1,179	2,116	4,075	3,813
number	5,819,162	1,068,765	720,644	749,308	893,912	458,059
Ewes 1 year old or older ..... farms	68,222	619	1,052	1,931	3,712	3,471
number	3,516,409	457,831	430,998	498,266	602,766	313,222
Sheep and lambs sold ..... farms	53,268	575	946	1,765	3,475	3,213
number	4,579,608	1,374,309	552,486	579,164	645,052	325,484
Horses and ponies inventory ..... farms	575,942	8,027	8,492	13,904	25,585	23,404
number	4,028,827	102,640	87,851	129,443	232,999	209,176
Owned ..... farms	501,528	6,750	7,065	11,372	20,835	19,118
number	3,224,964	84,784	72,087	104,972	188,091	166,976
Horses and ponies sold ..... farms	133,472	1,320	1,367	2,243	5,095	5,602
number	506,503	20,013	15,281	21,817	42,532	42,945
Owned ..... farms	106,050	1,112	1,114	1,816	4,171	4,628
number	400,845	17,999	13,480	18,194	37,205	37,379
Goats, all inventory ..... farms	144,466	814	964	1,628	3,207	3,720
number	3,140,529	54,201	55,555	160,899	297,293	223,267
Goats sold ..... farms	61,748	356	415	728	1,596	1,859
number	1,387,576	32,950	33,640	90,932	151,181	125,236
POULTRY						
Layers inventory (see text) ..... farms	145,615	1,244	1,834	3,107	5,401	5,149
number	349,772,508	288,679,200	28,812,907	20,524,581	7,167,777	978,714
Farms with-						
1 to 399	140,844	265	681	1,777	4,726	4,945
400 to 3,199	785	31	24	35	130	156
3,200 to 9,999	626	22	28	209	327	27
10,000 to 19,999	1,373	42	289	850	176	10
20,000 to 49,999	1,292	254	770	227	29	11
50,000 to 99,999	261	218	36	3	4	-
100,000 or more	434	412	6	6	9	-
Pullets for laying flock replacement inventory ..... farms	22,514	500	501	738	941	805
number	105,876,529	65,983,900	17,560,579	14,105,759	5,374,798	656,242
Layers sold ..... farms	24,971	764	1,203	1,561	1,265	869
number	194,955,057	141,527,283	25,581,345	19,534,546	6,182,378	596,940
Pullets for laying flock replacement sold (see text) ..... farms	4,169	361	459	594	413	158
number	161,354,686	90,579,315	34,719,439	25,804,614	9,223,788	674,839

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
LIVESTOCK - Con.						
Cattle and calves inventory - Con.						
Cows and heifers that had calved - Con.						
Milk cows ....farms	4,798	4,469	2,980	2,036	393	424
number	60,830	21,451	6,207	2,659	1,382	750
Farms with-						
1 to 9	2,244	3,987	2,903	2,025	378	423
10 to 49	2,476	471	75	11	9	1
50 to 99	75	8	2	-	6	-
100 to 199	3	3	-	-	-	-
200 to 499	-	-	-	-	-	-
500 or more	-	-	-	-	-	-
Other cattle (see text) ....farms	77,035	123,190	98,708	77,028	69,308	117,731
number	2,752,050	2,584,097	1,224,087	673,383	482,078	1,212,315
Cattle and calves sold ....farms	86,133	144,817	120,957	96,267	85,993	26,666
number	3,582,103	3,262,508	1,383,677	615,185	286,550	43,554
$1,000	2,112,175	1,806,942	722,781	302,349	133,583	17,356
Calves weighing less than 500 pounds ....farms	46,636	83,169	67,972	50,332	39,655	12,112
number	1,225,351	1,322,222	620,893	289,445	137,285	23,216
Cattle, including calves weighing 500 pounds or more ....farms	78,708	127,440	100,542	75,425	62,347	16,427
number	2,356,752	1,940,286	762,784	325,740	149,265	20,338
Cattle on feed (see text) ....farms	7,223	10,397	7,910	6,053	5,015	860
number	112,768	90,585	41,734	19,651	10,142	1,108
Hogs and pigs inventory ....farms	4,343	6,753	6,787	6,859	8,536	12,842
number	234,204	175,240	127,376	72,058	64,480	75,137
Farms with-						
1 to 24	2,567	5,024	5,680	6,160	8,068	12,495
25 to 49	563	738	640	486	365	262
50 to 99	527	584	348	167	84	60
100 to 199	409	268	84	37	9	9
200 to 499	240	135	27	6	8	7
500 or more	37	4	8	3	2	9
Used or to be used for breeding ....farms	2,496	3,568	3,321	3,201	3,507	4,945
number	39,871	39,549	25,254	19,144	16,343	25,831
Other hogs and pigs ....farms	3,798	5,719	5,696	5,605	7,092	10,368
number	194,333	135,691	102,122	52,914	48,137	49,306
Hogs and pigs sold ....farms	4,540	7,228	7,326	7,679	8,871	8,297
number	433,073	332,638	169,474	113,183	78,901	38,530
$1,000	38,147	27,213	14,328	9,604	6,618	2,801
Sheep and lambs inventory ....farms	5,292	8,964	8,908	9,792	12,962	25,295
number	382,567	443,792	288,680	240,771	234,443	338,221
Ewes 1 year old or older ....farms	4,773	7,815	7,463	7,996	10,381	19,009
number	263,043	295,629	186,979	149,242	139,214	179,219
Sheep and lambs sold ....farms	4,298	7,069	6,874	7,322	9,603	8,128
number	284,461	311,284	196,372	144,651	115,923	50,422
Horses and ponies inventory ....farms	32,023	56,846	56,361	57,574	71,733	221,993
number	263,319	411,369	357,024	335,015	383,609	1,516,382
Owned ....farms	26,512	47,878	48,370	50,121	62,942	200,565
number	212,533	329,552	290,231	274,790	314,067	1,186,881
Horses and ponies sold ....farms	8,593	17,196	19,955	21,116	25,963	25,022
number	50,934	76,473	62,000	55,813	56,807	61,888
Owned ....farms	7,364	14,943	17,805	18,788	23,140	11,169
number	44,553	66,024	53,623	47,801	47,538	17,049
Goats, all inventory ....farms	5,890	12,635	13,943	16,753	25,060	59,852
number	244,138	356,378	290,035	300,595	378,108	780,060
Goats sold ....farms	2,998	6,578	7,330	9,327	14,438	16,123
number	129,327	200,320	162,774	166,019	183,438	111,759
POULTRY						
Layers inventory (see text) ....farms	7,596	15,301	16,805	19,382	26,779	43,017
number	510,300	623,228	534,411	544,555	639,404	757,431
Farms with-						
1 to 399	7,423	15,112	16,771	19,369	26,768	43,007
400 to 3,199	162	186	33	11	11	6
3,200 to 9,999	8	1	1	1	-	2
10,000 to 19,999	2	2	-	1	-	1
20,000 to 49,999	1	-	-	-	-	-
50,000 to 99,999	-	-	-	-	-	-
100,000 or more	-	-	-	-	-	1
Pullets for laying flock replacement inventory ....farms	1,327	2,511	2,889	3,243	4,291	4,768
number	231,880	293,900	217,827	329,825	226,604	895,215
Layers sold ....farms	1,268	2,632	3,118	3,585	4,638	4,068
number	340,886	444,850	224,947	215,780	197,134	108,968
Pullets for laying flock replacement sold (see text) ....farms	188	318	380	407	504	387
number	197,432	55,739	45,378	29,419	16,412	8,311

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
POULTRY - Con.						
Broilers and other meat-type chickens sold ... farms	27,091	9,106	4,978	2,474	1,372	754
number	8,914,828,122	7,048,162,401	1,441,161,546	353,298,134	66,726,978	3,641,975
Farms with-						
1 to 1,999	9,743	51	103	233	510	571
2,000 to 59,999	618	40	23	35	205	183
60,000 to 99,999	623	4	20	87	512	-
100,000 or more	16,107	9,011	4,832	2,119	145	-
Turkeys inventory (see text) ... farms	17,226	1,533	779	373	460	506
number	107,173,804	87,623,459	15,099,727	3,014,168	579,608	141,476
Turkeys sold (see text) ... farms	8,284	1,629	842	323	300	302
number	295,793,159	249,372,227	38,131,895	6,693,327	1,221,875	110,019
CROPS HARVESTED						
Barley for grain ... farms	19,848	1,857	2,881	4,348	4,810	2,289
acres	3,521,957	893,389	862,755	880,332	603,107	171,518
bushels	207,089,232	64,457,033	51,796,424	48,702,264	28,968,163	7,813,426
Irrigated ... farms	4,241	686	579	758	920	466
acres	741,475	309,532	129,381	137,769	103,345	35,017
Farms by acres harvested:						
1 to 24 acres	5,742	140	287	686	1,281	951
25 to 99 acres	5,405	360	604	1,102	1,526	806
100 to 249 acres	4,469	427	761	1,255	1,389	399
250 to 499 acres	2,552	354	672	940	459	108
500 acres or more	1,680	576	557	365	155	25
Corn for grain ... farms	347,760	25,705	35,964	56,513	76,528	49,375
acres	86,248,542	26,906,259	20,492,833	18,725,344	12,756,047	4,192,104
bushels	12,738,519,330	4,304,418,815	3,109,411,715	2,705,965,351	1,744,688,920	533,521,358
Irrigated ... farms	38,911	7,874	7,881	8,888	7,777	3,296
acres	13,156,769	6,160,766	3,261,099	2,281,819	1,093,741	256,155
Farms by acres harvested:						
1 to 24 acres	68,008	459	629	1,455	4,957	5,087
25 to 99 acres	101,672	1,583	2,570	6,771	17,503	28,518
100 to 249 acres	78,166	3,000	5,121	12,981	38,872	14,848
250 to 499 acres	50,807	3,866	7,517	24,508	13,881	859
500 acres or more	49,107	16,797	20,127	10,798	1,315	63
Corn for silage or greenchop ... farms	84,317	9,398	9,968	16,960	22,176	9,409
acres	5,979,661	2,420,818	1,024,977	1,079,040	871,471	270,913
tons	104,224,795	49,246,162	17,710,632	16,953,377	12,588,862	3,726,743
Irrigated ... farms	9,664	3,364	1,599	1,540	1,446	708
acres	1,497,288	1,005,994	196,888	140,119	94,725	30,267
Farms by acres harvested:						
1 to 24 acres	34,207	644	1,379	3,859	9,744	5,832
25 to 99 acres	34,878	2,530	4,753	10,111	10,891	3,206
100 to 249 acres	10,855	3,159	3,144	2,603	1,357	342
250 to 499 acres	2,859	1,798	539	318	165	24
500 acres or more	1,518	1,267	153	69	19	5
Cotton, all ... farms	18,605	3,612	3,925	3,871	3,306	1,453
acres	10,493,238	4,406,510	3,024,683	1,886,868	862,760	191,236
bales	18,898,128	9,039,329	5,280,822	2,934,352	1,244,866	254,566
Irrigated ... farms	8,776	2,488	2,285	1,776	1,259	499
acres	4,035,610	2,189,760	1,083,895	505,694	196,746	41,526
Farms by acres harvested:						
1 to 24 acres	961	16	33	21	42	70
25 to 99 acres	3,043	120	148	278	543	574
100 to 249 acres	3,886	353	442	808	1,349	670
250 to 499 acres	3,738	547	849	1,246	965	116
500 acres or more	6,977	2,576	2,453	1,518	407	23
Dry edible beans, excluding limas ... farms	6,236	1,268	1,314	1,347	1,099	480
acres	1,455,549	662,278	383,947	246,841	115,920	30,390
cwt	25,353,900	12,227,058	6,467,727	4,069,229	1,902,209	454,460
Irrigated ... farms	2,456	563	412	456	467	204
acres	353,503	177,073	69,726	57,330	36,743	8,161
Farms by acres harvested:						
1 to 24 acres	818	15	26	49	111	108
25 to 99 acres	1,709	135	194	347	539	298
100 to 249 acres	1,856	296	457	642	377	63
250 to 499 acres	1,066	324	412	259	64	5
500 acres or more	787	498	225	50	8	6
Oats for grain ... farms	42,558	1,484	2,664	5,622	9,617	6,439
acres	1,509,149	163,996	192,990	309,821	380,647	188,888
bushels	89,508,669	11,526,839	12,647,649	19,297,649	22,421,137	10,218,834
Irrigated ... farms	1,620	186	157	212	300	226
acres	78,214	27,627	10,661	11,716	13,579	5,818
Farms by acres harvested:						
1 to 24 acres	27,044	394	921	2,330	5,230	4,252
25 to 99 acres	12,167	604	1,146	2,459	3,528	1,857
100 to 249 acres	2,643	299	450	670	709	287
250 to 499 acres	552	133	110	129	129	37
500 acres or more	152	54	37	34	21	6
Peanuts for nuts ... farms	6,182	913	1,031	1,265	1,288	597
acres	1,200,564	461,322	298,388	238,172	139,824	36,970
pounds	3,703,138,887	1,574,846,234	916,954,008	685,899,164	387,947,044	84,913,106
Irrigated ... farms	2,381	506	541	534	468	153
acres	418,789	194,753	107,933	70,400	36,702	6,064

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
POULTRY - Con.						
Broilers and other meat-type chickens sold ....farms	909	1,463	1,473	1,446	1,790	1,326
....number	950,050	412,659	186,813	132,430	107,435	47,701
Farms with-						
1 to 1,999	819	1,429	1,465	1,446	1,790	1,326
2,000 to 59,999	90	34	8	-	-	-
60,000 to 99,999	-	-	-	-	-	-
100,000 or more	-	-	-	-	-	-
Turkeys inventory (see text) ....farms	854	1,616	1,948	2,285	2,904	3,968
....number	193,261	203,678	114,964	42,278	39,623	121,562
Turkeys sold (see text) ....farms	446	752	907	893	1,087	803
....number	130,928	79,026	21,779	13,902	12,594	5,587
CROPS HARVESTED						
Barley for grain ....farms	1,513	1,168	493	276	132	81
....acres	64,732	31,611	9,306	3,446	1,080	681
....bushels	3,306,120	1,436,668	408,718	142,614	37,419	20,383
Irrigated ....farms	374	240	104	62	27	25
....acres	16,016	7,274	1,943	654	273	271
Farms by acres harvested:						
1 to 24 acres	799	776	379	242	124	77
25 to 99 acres	516	341	107	31	8	4
100 to 249 acres	180	48	7	3	-	-
250 to 499 acres	17	2	-	-	-	-
500 acres or more	1	1	-	-	-	-
Corn for grain ....farms	38,796	31,035	15,882	9,049	5,353	3,560
....acres	1,885,075	859,783	257,087	102,626	45,305	26,079
....bushels	218,978,273	86,909,976	22,586,902	7,899,957	2,871,702	1,266,361
Irrigated ....farms	1,575	825	366	177	118	134
....acres	74,274	21,314	4,644	1,181	1,136	640
Farms by acres harvested:						
1 to 24 acres	8,833	16,787	13,037	8,253	5,083	3,428
25 to 99 acres	27,083	13,711	2,779	770	257	127
100 to 249 acres	2,747	490	64	26	12	5
250 to 499 acres	128	45	2	-	1	-
500 acres or more	5	2	-	-	-	-
Corn for silage or greenchop ....farms	6,490	5,103	2,069	1,190	685	869
....acres	154,485	95,234	29,640	15,003	7,374	10,706
....tons	2,102,995	1,170,965	350,280	165,082	79,411	130,286
Irrigated ....farms	448	272	121	81	51	34
....acres	18,951	6,427	1,736	812	596	773
Farms by acres harvested:						
1 to 24 acres	4,536	4,006	1,754	1,052	623	778
25 to 99 acres	1,794	1,017	299	131	59	87
100 to 249 acres	148	73	15	7	3	4
250 to 499 acres	8	6	1	-	-	-
500 acres or more	4	1	-	-	-	-
Cotton, all ....farms	988	838	341	183	69	19
....acres	74,519	35,577	7,913	2,450	633	89
....bales	91,093	41,749	8,458	2,207	611	75
Irrigated ....farms	241	134	55	25	7	7
....acres	13,206	3,683	932	133	20	15
Farms by acres harvested:						
1 to 24 acres	84	239	208	163	66	19
25 to 99 acres	670	558	129	20	3	-
100 to 249 acres	219	41	4	-	-	-
250 to 499 acres	15	-	-	-	-	-
500 acres or more	-	-	-	-	-	-
Dry edible beans, excluding limas ....farms	281	190	114	78	51	14
....acres	11,192	3,641	992	255	78	15
....cwt	165,075	53,671	9,683	3,438	1,108	242
Irrigated ....farms	97	82	69	63	35	8
....acres	3,010	1,049	212	146	44	9
Farms by acres harvested:						
1 to 24 acres	126	139	102	77	51	14
25 to 99 acres	136	48	11	1	-	-
100 to 249 acres	18	2	1	-	-	-
250 to 499 acres	1	1	-	-	-	-
500 acres or more	-	-	-	-	-	-
Oats for grain ....farms	5,431	5,251	2,752	1,548	1,000	750
....acres	118,361	87,454	33,520	17,037	10,235	6,200
....bushels	6,321,919	4,206,482	1,538,313	697,794	426,750	205,303
Irrigated ....farms	163	136	91	70	60	19
....acres	3,920	2,510	1,106	652	515	110
Farms by acres harvested:						
1 to 24 acres	4,058	4,366	2,476	1,388	916	713
25 to 99 acres	1,225	815	258	159	82	34
100 to 249 acres	141	64	18	-	2	3
250 to 499 acres	7	6	-	1	-	-
500 acres or more	-	-	-	-	-	-
Peanuts for nuts ....farms	469	346	128	62	43	40
....acres	16,620	7,120	1,342	521	142	143
....pounds	35,558,373	13,984,096	2,257,589	602,468	124,231	52,574
Irrigated ....farms	79	42	20	14	12	12
....acres	2,104	583	124	63	16	47

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
CROPS HARVESTED - Con.						
Peanuts for nuts - Con.						
Farms by acres harvested:						
1 to 24 acres	915	15	17	25	60	99
25 to 99 acres	1,909	91	130	284	646	385
100 to 249 acres	1,886	199	394	662	507	108
250 to 499 acres	920	265	342	238	70	5
500 acres or more	552	343	148	56	5	-
Rice ... farms	6,084	1,313	1,542	1,464	992	399
acres	2,758,792	1,313,302	771,089	450,488	172,768	36,242
cwt	198,538,690	96,848,912	55,506,574	31,565,066	11,603,544	2,155,575
Irrigated ... farms	6,084	1,313	1,542	1,464	992	399
acres	2,758,792	1,313,302	771,089	450,488	172,768	36,242
Farms by acres harvested:						
1 to 24 acres	132	2	6	3	6	12
25 to 99 acres	915	41	61	79	220	255
100 to 249 acres	1,459	95	206	435	590	121
250 to 499 acres	1,616	186	495	773	152	10
500 acres or more	1,962	989	774	174	24	1
Sorghum for grain ... farms	26,242	2,770	3,770	5,043	6,165	3,578
acres	6,769,834	1,845,051	1,612,623	1,532,860	1,133,563	388,948
bushels	482,452,865	144,006,009	120,602,250	107,615,941	74,563,436	22,876,752
Irrigated ... farms	4,483	952	960	1,001	818	372
acres	845,214	325,964	200,175	172,056	95,678	31,966
Farms by acres harvested:						
1 to 24 acres	2,609	69	87	163	335	370
25 to 99 acres	8,335	308	543	926	1,999	1,816
100 to 249 acres	7,302	617	1,040	1,642	2,359	1,115
250 to 499 acres	4,377	606	931	1,455	1,115	222
500 acres or more	3,619	1,170	1,169	857	357	55
Soybeans for beans ... farms	279,110	20,103	30,473	47,379	62,191	41,507
acres	63,915,821	16,059,641	15,383,320	14,694,702	10,706,407	3,894,441
bushels	2,582,423,697	690,788,750	642,711,392	592,584,527	414,487,925	141,530,048
Irrigated ... farms	20,333	3,980	4,421	4,943	3,955	1,577
acres	5,237,075	2,264,286	1,421,978	939,520	443,261	109,153
Farms by acres harvested:						
1 to 24 acres	38,458	356	459	1,204	2,657	2,995
25 to 99 acres	90,935	1,532	2,581	5,800	15,241	24,441
100 to 249 acres	70,698	3,027	4,873	13,269	32,211	12,409
250 to 499 acres	44,381	3,684	8,656	19,812	10,353	1,484
500 acres or more	34,638	11,504	13,904	7,294	1,729	178
Sugarbeets for sugar ... farms	4,022	1,190	1,177	817	542	165
acres	1,253,817	727,252	338,197	131,838	46,095	7,105
tons	31,937,325	19,236,195	8,129,419	3,227,641	1,103,337	165,839
Irrigated ... farms	1,595	498	382	342	241	73
acres	394,675	231,823	88,010	51,398	19,005	2,996
Sugarcane for sugar ... farms	692	243	155	109	49	40
acres	846,666	681,797	109,862	39,795	10,019	3,060
tons	31,127,405	25,509,633	3,777,127	1,348,175	319,240	107,402
Irrigated ... farms	219	89	27	33	24	21
acres	435,205	410,973	9,913	8,618	3,865	1,404
Sunflower seed, all ... farms	6,403	995	1,492	1,684	1,318	421
acres	2,000,153	692,390	586,896	439,137	216,898	43,324
pounds	2,820,962,445	1,029,191,058	835,665,176	609,859,526	275,385,759	51,473,213
Irrigated ... farms	608	184	152	113	97	27
acres	102,219	51,923	24,871	13,759	9,211	1,847
Farms by acres harvested:						
1 to 24 acres	502	17	35	57	88	54
25 to 99 acres	1,153	60	134	227	372	186
100 to 249 acres	2,110	196	406	690	597	159
250 to 499 acres	1,494	234	495	521	216	22
500 acres or more	1,144	488	422	189	45	-
Tobacco ... farms	16,234	705	870	1,299	2,834	2,342
acres	359,846	97,608	68,188	61,567	62,586	31,538
pounds	778,301,825	228,522,669	156,278,097	135,563,107	125,674,944	62,329,098
Irrigated ... farms	2,572	211	272	364	559	446
acres	71,578	18,327	16,274	14,430	13,355	5,122
Farms by acres harvested:						
0.1 to 0.9 acres	235	2	1	4	5	6
1.0 to 1.9 acres	1,493	4	8	13	41	31
2.0 to 2.9 acres	1,827	8	15	23	120	111
3.0 to 4.9 acres	2,772	15	21	52	304	236
5.0 to 9.9 acres	3,459	32	51	132	695	535
10.0 to 24.9 acres	3,129	71	103	220	782	1,159
25.0 acres or more	3,319	573	671	855	887	264
Wheat for grain, all ... farms	160,810	14,579	20,237	28,827	35,535	22,164
acres	50,932,969	12,516,562	12,086,930	11,829,069	8,979,544	3,057,062
bushels	1,993,648,378	608,238,321	500,898,317	433,790,522	292,286,292	91,348,050
Irrigated ... farms	15,213	3,606	2,955	3,017	2,784	1,259
acres	3,364,079	1,715,336	682,409	492,087	312,084	90,278
Farms by acres harvested:						
1 to 24 acres	26,703	508	955	2,097	3,612	3,960
25 to 99 acres	49,409	2,234	3,877	6,760	11,133	8,956
100 to 249 acres	34,703	2,967	4,319	6,853	9,126	5,442
250 to 499 acres	21,167	2,526	3,580	5,045	5,968	2,795
500 acres or more	28,828	6,344	7,506	8,072	5,696	1,011

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
CROPS HARVESTED - Con.						
Peanuts for nuts - Con.						
Farms by acres harvested:						
1 to 24 acres	197	240	120	59	43	40
25 to 99 acres	257	105	8	3	-	-
100 to 249 acres	15	1	-	-	-	-
250 to 499 acres	-	-	-	-	-	-
500 acres or more	-	-	-	-	-	-
Rice ....farms	247	91	27	6	3	-
acres	11,810	2,754	287	46	6	-
cwt	699,222	143,511	12,255	3,644	387	-
Irrigated ....farms	247	91	27	6	3	-
acres	11,810	2,754	287	46	6	-
Farms by acres harvested:						
1 to 24 acres	19	50	25	6	3	-
25 to 99 acres	219	38	2	-	-	-
100 to 249 acres	9	3	-	-	-	-
250 to 499 acres	-	-	-	-	-	-
500 acres or more	-	-	-	-	-	-
Sorghum for grain ....farms	2,378	1,516	604	206	153	59
acres	162,658	68,869	17,937	3,946	2,186	1,193
bushels	8,553,946	3,276,794	726,774	143,114	44,044	43,805
Irrigated ....farms	165	108	52	25	19	11
acres	12,700	4,276	1,716	308	288	87
Farms by acres harvested:						
1 to 24 acres	423	501	329	151	128	53
25 to 99 acres	1,519	888	257	50	25	4
100 to 249 acres	386	122	15	5	-	1
250 to 499 acres	39	5	3	-	-	1
500 acres or more	11	-	-	-	-	-
Soybeans for beans ....farms	31,631	23,981	11,095	6,149	3,642	959
acres	1,850,147	909,422	267,695	101,229	40,035	8,782
bushels	62,280,337	27,553,292	7,122,074	2,407,765	817,152	140,435
Irrigated ....farms	755	441	142	77	35	7
acres	40,412	14,523	2,694	1,016	188	44
Farms by acres harvested:						
1 to 24 acres	5,346	9,116	7,052	5,014	3,341	918
25 to 99 acres	22,115	13,854	3,923	1,113	297	38
100 to 249 acres	3,827	935	118	22	4	3
250 to 499 acres	315	75	2	-	-	-
500 acres or more	28	1	-	-	-	-
Sugarbeets for sugar ....farms	83	37	5	3	3	-
acres	2,595	673	(D)	(D)	3	-
tons	57,915	15,628	1,101	220	30	-
Irrigated ....farms	36	15	2	3	3	-
acres	(D)	216	(D)	(D)	3	-
Sugarcane for sugar ....farms	37	32	13	2	11	1
acres	1,456	(D)	81	(D)	19	(D)
tons	45,539	17,559	1,961	(D)	(D)	(D)
Irrigated ....farms	5	3	7	1	8	1
acres	374	(D)	9	(D)	16	(D)
Sunflower seed, all ....farms	207	115	64	50	42	15
acres	13,581	5,378	1,594	688	213	54
pounds	13,824,891	3,741,069	1,414,265	286,260	104,111	17,117
Irrigated ....farms	13	6	6	1	6	3
acres	491	33	69	(D)	11	(D)
Farms by acres harvested:						
1 to 24 acres	49	61	45	39	42	15
25 to 99 acres	111	37	15	11	-	-
100 to 249 acres	44	14	4	-	-	-
250 to 499 acres	3	3	-	-	-	-
500 acres or more	-	-	-	-	-	-
Tobacco ....farms	2,694	3,013	1,513	690	231	43
acres	20,165	12,778	3,708	1,276	335	98
pounds	38,797,727	22,895,069	6,128,604	1,712,189	294,972	105,349
Irrigated ....farms	357	238	88	22	10	5
acres	2,791	976	197	55	8	44
Farms by acres harvested:						
0.1 to 0.9 acres	16	33	66	37	57	8
1.0 to 1.9 acres	112	327	407	395	130	25
2.0 to 2.9 acres	221	599	556	145	25	4
3.0 to 4.9 acres	557	1,112	382	77	14	2
5.0 to 9.9 acres	1,132	770	83	25	1	3
10.0 to 24.9 acres	607	157	16	11	3	-
25.0 acres or more	49	15	3	-	1	1
Wheat for grain, all ....farms	17,177	12,685	5,247	2,454	1,362	543
acres	1,466,395	700,098	201,835	60,252	21,962	13,260
bushels	41,817,686	18,466,201	4,613,748	1,430,319	447,944	310,978
Irrigated ....farms	787	463	170	116	36	20
acres	42,995	17,921	7,789	2,599	263	318
Farms by acres harvested:						
1 to 24 acres	4,756	4,867	2,644	1,720	1,144	440
25 to 99 acres	7,544	5,769	2,213	656	199	68
100 to 249 acres	3,715	1,822	346	71	15	27
250 to 499 acres	993	204	38	7	4	7
500 acres or more	169	23	6	-	-	1

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
CROPS HARVESTED - Con.						
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	869,534	23,556	27,281	45,405	73,533	63,098
acres	61,455,483	7,172,330	5,505,084	7,868,384	10,157,461	6,762,003
tons, dry	155,393,762	31,842,315	17,634,023	21,830,003	25,098,941	15,280,322
Irrigated ..... farms	86,007	6,849	4,917	6,849	9,763	7,681
acres	10,264,753	3,194,067	1,389,466	1,575,052	1,685,651	843,282
Farms by acres harvested:						
1 to 24 acres	367,533	3,181	4,311	6,957	12,605	12,324
25 to 99 acres	345,273	6,963	8,852	15,825	29,509	26,495
100 to 249 acres	111,368	5,919	8,018	13,680	20,078	18,072
250 to 499 acres	30,370	3,727	3,549	5,556	7,846	5,004
500 acres or more	14,990	3,766	2,551	3,387	3,495	1,203
Alfalfa hay ..... farms	290,726	11,261	15,480	28,665	45,930	31,583
acres	20,244,497	3,362,255	2,393,337	3,474,886	4,299,282	2,252,263
tons, dry	65,349,074	17,496,986	9,123,375	11,016,485	12,145,079	5,874,715
Irrigated ..... farms	56,390	4,351	3,475	5,102	7,554	5,665
acres	6,556,652	2,131,380	904,174	999,444	1,069,275	539,426
Other tame hay ..... farms	496,740	10,916	11,987	17,383	28,713	31,550
acres	26,763,972	1,702,732	1,632,370	2,271,984	3,376,542	3,176,255
tons, dry	54,347,673	4,894,235	3,937,458	5,149,019	7,401,126	6,820,858
Irrigated ..... farms	24,348	1,809	1,258	1,626	2,229	1,942
acres	1,699,864	388,382	203,264	259,846	289,447	162,567
Field and grass seed crops, all ..... farms	6,038	604	589	759	974	751
acres	1,178,726	482,428	224,936	177,858	138,312	69,338
Irrigated ..... farms	1,457	363	234	226	217	126
acres	323,441	196,184	52,687	37,332	22,260	8,331
Land in vegetables (see text) ..... farms	69,172	4,925	3,103	3,685	5,503	5,519
acres	4,356,880	3,181,557	439,555	293,628	191,729	90,730
Irrigated ..... farms	29,885	3,566	1,731	1,827	2,575	2,486
acres	3,068,485	2,547,923	239,523	135,918	69,253	27,904
Farms by acres harvested:						
0.1 to 4.9 acres	41,453	168	244	471	1,294	1,864
5.0 to 24.9 acres	13,869	263	309	673	1,799	2,606
25.0 to 99.9 acres	6,671	581	917	1,472	1,970	950
100.0 to 249.9 acres	3,473	990	1,099	869	403	87
250.0 acres or more	3,706	2,923	534	200	37	12
Snap beans ..... farms	17,300	710	568	788	1,154	1,438
acres	303,997	192,088	44,803	32,702	17,852	6,954
Harvested for processing ..... farms	1,999	362	280	270	195	125
acres	198,101	115,108	35,983	25,591	12,666	4,855
Peas, green ..... farms	4,532	586	454	577	522	416
acres	214,057	111,115	41,393	29,510	17,801	9,535
Harvested for processing ..... farms	2,047	511	382	440	355	183
acres	206,092	108,571	39,851	28,109	17,116	9,135
Potatoes ..... farms	15,014	1,303	649	708	1,070	1,206
acres	1,131,963	940,427	107,137	50,439	20,657	5,147
Harvested for processing ..... farms	1,739	669	250	171	114	55
acres	599,604	528,018	44,299	18,918	6,605	1,170
Farms by acres harvested:						
0.1 to 4.9 acres	12,013	88	107	254	699	1,041
5.0 to 24.9 acres	612	43	35	65	120	109
25.0 to 99.9 acres	539	52	72	160	192	51
100.0 to 249.9 acres	714	193	264	195	56	4
250.0 acres or more	1,136	927	171	34	3	1
Sweet corn ..... farms	28,241	1,182	1,006	1,551	2,454	2,422
acres	622,946	338,012	74,767	76,038	59,497	28,189
Harvested for processing ..... farms	3,670	567	407	556	579	308
acres	361,886	200,963	51,964	52,002	34,846	13,614
Sweet potatoes ..... farms	1,910	171	113	128	181	170
acres	105,284	69,509	16,046	9,921	4,887	1,944
Harvested for processing ..... farms	259	57	41	42	29	27
acres	21,360	12,328	3,913	3,277	1,344	342
Tomatoes in the open ..... farms	25,809	1,009	561	873	1,743	2,302
acres	442,225	391,197	20,797	9,259	6,392	3,825
Harvested for processing ..... farms	1,761	462	101	66	64	72
acres	319,549	298,456	14,390	4,204	1,637	241
Land in orchards ..... farms	115,935	4,286	3,185	4,882	9,515	10,243
acres	5,039,476	2,608,300	542,308	481,161	479,190	284,016
Irrigated ..... farms	61,189	3,711	2,552	3,655	6,303	6,236
acres	3,981,316	2,430,986	443,605	362,612	311,605	156,272
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	52,775	148	160	275	747	1,088
5.0 to 24.9 acres	37,043	305	250	515	2,265	5,332
25.0 to 99.9 acres	17,119	541	737	2,208	5,462	3,509
100.0 to 249.9 acres	5,434	851	1,381	1,624	939	275
250.0 acres or more	3,564	2,441	657	260	102	39
Apples ..... farms	25,591	780	691	1,070	1,860	1,870
bearing and nonbearing acres	398,770	193,849	50,818	44,724	41,116	20,625
Grapes ..... farms	25,892	1,235	847	1,282	2,570	2,516
bearing and nonbearing acres	1,051,407	585,730	113,092	101,531	108,855	56,570
Peaches, all ..... farms	13,582	542	446	613	1,114	970
bearing and nonbearing acres	149,237	72,130	22,425	14,986	14,690	6,971

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
CROPS HARVESTED - Con.						
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ....farms	82,823	136,512	114,011	94,453	85,554	123,308
acres	6,414,306	7,182,214	3,978,176	2,468,600	1,701,804	2,245,121
tons, dry	13,789,807	13,995,320	7,010,504	3,847,668	2,297,921	2,766,938
Irrigated ....farms	8,097	10,561	8,225	7,326	6,782	8,957
acres	575,400	453,065	214,257	126,155	81,019	127,339
Farms by acres harvested:						
1 to 24 acres	17,571	39,516	52,628	57,709	63,178	97,553
25 to 99 acres	42,630	79,128	55,865	34,480	21,317	24,209
100 to 249 acres	19,490	16,378	5,190	2,160	998	1,385
250 to 499 acres	2,770	1,363	301	93	57	104
500 acres or more	362	127	27	11	4	57
Alfalfa hay ....farms	30,386	37,166	26,066	20,651	17,794	25,744
acres	1,553,096	1,345,408	635,847	376,426	244,150	307,547
tons, dry	3,867,648	3,016,919	1,282,195	674,936	386,921	463,815
Irrigated ....farms	5,620	6,810	5,063	4,258	3,769	4,723
acres	363,313	266,433	118,046	67,778	41,420	55,963
Other tame hay ....farms	50,017	90,526	75,930	60,250	51,485	67,983
acres	3,698,354	4,553,166	2,546,905	1,537,369	1,005,425	1,262,870
tons, dry	7,734,130	8,711,012	4,449,490	2,350,912	1,339,980	1,559,453
Irrigated ....farms	2,228	3,187	2,655	2,410	2,185	2,819
acres	119,852	116,103	59,429	39,438	23,382	38,154
Field and grass seed crops, all ....farms	661	653	379	287	181	200
acres	38,431	25,949	11,376	5,455	2,512	2,131
Irrigated ....farms	72	82	31	44	32	30
acres	2,398	2,030	1,395	357	264	203
Land in vegetables (see text) ....farms	7,531	12,402	9,773	7,702	5,617	3,412
acres	63,065	49,130	23,234	13,091	7,368	3,792
Irrigated ....farms	3,088	4,843	3,794	2,841	2,041	1,093
acres	18,225	14,264	7,745	4,523	2,126	1,082
Farms by acres harvested:						
0.1 to 4.9 acres	3,812	9,203	8,542	7,177	5,396	3,282
5.0 to 24.9 acres	3,160	3,023	1,188	511	211	126
25.0 to 99.9 acres	541	173	43	12	8	4
100.0 to 249.9 acres	18	3	-	2	2	-
250.0 acres or more	-	-	-	-	-	-
Snap beans ....farms	2,229	3,811	2,801	1,877	1,204	720
acres	4,496	2,690	1,057	759	334	262
Harvested for processing ....farms	138	188	124	128	125	64
acres	2,755	733	150	211	34	16
Peas, green ....farms	379	595	444	284	169	106
acres	2,884	1,047	448	182	102	42
Harvested for processing ....farms	79	39	24	11	15	8
acres	2,544	612	138	5	7	5
Potatoes ....farms	1,859	3,100	2,162	1,498	902	557
acres	2,882	2,653	1,134	944	346	198
Harvested for processing ....farms	63	136	83	94	61	43
acres	225	255	54	37	13	11
Farms by acres harvested:						
0.1 to 4.9 acres	1,720	3,009	2,149	1,490	900	556
5.0 to 24.9 acres	130	88	13	6	2	1
25.0 to 99.9 acres	8	3	-	1	-	-
100.0 to 249.9 acres	1	-	-	1	-	-
250.0 acres or more	-	-	-	-	-	-
Sweet corn ....farms	3,196	5,256	4,222	3,206	2,381	1,365
acres	18,830	13,411	7,605	3,798	1,915	885
Harvested for processing ....farms	269	279	223	206	170	106
acres	6,454	1,275	384	221	109	54
Sweet potatoes ....farms	251	322	233	159	107	75
acres	1,743	694	265	177	72	28
Harvested for processing ....farms	22	16	9	12	4	-
acres	126	26	2	2	(Z)	-
Tomatoes in the open ....farms	3,540	5,901	4,232	2,802	1,774	1,072
acres	3,776	3,592	1,564	858	534	430
Harvested for processing ....farms	145	219	195	193	152	92
acres	234	137	104	63	41	44
Land in orchards ....farms	13,971	21,159	14,300	11,829	8,618	13,947
acres	230,398	191,786	70,864	39,907	24,525	87,022
Irrigated ....farms	7,638	10,294	6,563	5,411	3,741	5,085
acres	112,223	77,483	26,104	13,345	7,452	39,630
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	2,862	9,891	10,185	9,867	7,463	10,089
5.0 to 24.9 acres	8,616	9,948	3,774	1,771	1,029	3,238
25.0 to 99.9 acres	2,328	1,206	300	175	119	534
100.0 to 249.9 acres	140	98	37	16	5	68
250.0 acres or more	25	16	4	-	2	18
Apples ....farms	2,765	4,578	3,542	2,677	2,047	3,711
bearing and nonbearing acres	15,711	13,162	5,582	3,163	2,562	7,459
Grapes ....farms	3,087	4,561	2,938	2,492	1,661	2,703
bearing and nonbearing acres	38,060	26,397	8,002	4,137	1,869	7,165
Peaches, all ....farms	1,443	2,250	1,806	1,464	1,049	1,885
bearing and nonbearing acres	5,879	5,002	2,284	1,282	921	2,666

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms	$1,000,000 or more	$500,000 to $999,999	$250,000 to $499,999	$100,000 to $249,999	$50,000 to $99,999
CROPS HARVESTED - Con.						
Land in orchards - Con.						
Citrus fruit, all ..... farms	15,658	741	546	908	1,630	1,881
bearing and nonbearing acres	1,005,806	647,383	88,330	85,610	74,909	44,290
Almonds ..... farms	6,700	1,063	523	620	965	776
bearing and nonbearing acres	790,245	527,209	86,117	64,990	51,266	22,041
Pecans ..... farms	21,856	363	272	398	1,044	1,408
bearing and nonbearing acres	581,809	105,943	43,967	53,529	75,257	69,724
Walnuts, English ..... farms	7,161	448	308	405	606	511
bearing and nonbearing acres	267,751	105,913	38,742	35,442	32,182	16,505
Land in berries (see text) ..... farms	25,017	867	716	1,049	2,050	2,174
acres	261,733	130,105	28,358	23,673	23,450	15,348

See footnote(s) at end of table.

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Table 60. **Summary by Combined Government Payments and Market Value of Agricultural Products Sold: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	$25,000 to $49,999	$10,000 to $24,999	$5,000 to $9,999	$2,500 to $4,999	$1,000 to $2,499	Less than $1,000
CROPS HARVESTED - Con.						
Land in orchards - Con.						
Citrus fruit, all ....farms	2,417	2,906	1,586	1,291	883	869
bearing and nonbearing acres	32,720	19,903	5,344	2,403	1,291	3,623
Almonds ....farms	890	748	320	194	114	487
bearing and nonbearing acres	15,953	8,712	2,550	669	466	10,273
Pecans ....farms	2,339	4,600	3,192	2,545	1,878	3,817
bearing and nonbearing acres	71,455	75,263	30,125	17,088	10,397	29,061
Walnuts, English ....farms	699	1,034	813	776	607	954
bearing and nonbearing acres	13,640	10,909	4,303	3,248	1,580	5,289
Land in berries (see text) ....farms	3,213	4,608	3,223	2,351	1,754	3,012
acres	12,997	11,213	4,800	2,829	2,644	6,315

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 61. **Summary by Type of Organization: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
FARMS AND LAND IN FARMS				
Farms ..... number	2,204,792	1,906,335	174,247	89,739
percent	100.0	86.5	7.9	4.1
Land in farms ..... acres	922,095,840	574,150,050	161,416,999	114,284,815
Average size of farm ..... acres	418	301	926	1,274
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS				
Total ..... farms	2,204,792	1,906,335	174,247	89,739
$1,000	305,204,413	152,928,064	63,891,119	51,501,295
Average per farm ..... dollars	138,428	80,221	366,670	573,901
Farms by economic class:				
Less than $1,000 (see text)	499,880	453,885	28,067	11,447
$1,000 to $2,499	270,712	248,794	14,051	5,546
$2,500 to $4,999	246,309	223,862	14,382	5,894
$5,000 to $9,999	254,834	229,442	16,498	7,118
$10,000 to $24,999	274,274	242,040	20,633	9,552
$25,000 to $49,999	163,500	140,157	14,693	7,470
$50,000 to $99,999	129,124	107,783	12,823	6,828
$100,000 to $249,999	149,049	120,073	15,613	9,110
$250,000 to $499,999	96,251	71,418	12,525	8,002
$500,000 to $999,999	63,567	40,937	10,834	7,510
$1,000,000 or more	57,292	27,944	14,128	11,262
$1,000,000 to $2,499,999	41,863	22,826	9,645	7,358
$2,500,000 to $4,999,999	9,845	3,846	2,853	2,426
$5,000,000 or more	5,584	1,272	1,630	1,478
Total sales ..... farms	2,204,792	1,906,335	174,247	89,739
$1,000	297,220,491	147,562,463	62,249,612	50,310,839
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	390,425	53,101	29,666
$1,000	77,215,262	50,072,554	16,077,397	11,277,496
Sales of $50,000 or more ..... farms	235,343	177,808	31,778	19,599
$1,000	73,535,966	46,927,418	15,728,555	11,103,290
Corn ..... farms	347,540	283,211	38,204	20,999
$1,000	39,909,600	26,269,737	7,882,918	5,433,229
Sales of $50,000 or more ..... farms	151,428	113,407	20,401	12,528
$1,000	36,859,125	23,681,973	7,583,594	5,281,315
Wheat ..... farms	159,527	123,670	21,264	12,870
$1,000	10,623,640	6,463,436	2,399,037	1,733,670
Sales of $50,000 or more ..... farms	47,250	31,293	8,768	5,995
$1,000	8,944,760	5,132,910	2,188,222	1,607,260
Soybeans ..... farms	285,089	232,452	31,469	16,920
$1,000	20,283,986	13,843,157	3,736,457	2,466,880
Sales of $50,000 or more ..... farms	109,269	80,763	15,360	9,400
$1,000	17,191,360	11,211,226	3,441,396	2,321,719
Sorghum ..... farms	27,142	20,548	4,143	2,684
$1,000	1,651,798	1,007,457	439,437	342,157
Sales of $50,000 or more ..... farms	8,972	5,841	1,964	1,446
$1,000	1,348,798	767,664	399,554	318,333
Barley ..... farms	18,326	13,565	2,614	1,647
$1,000	701,047	414,707	144,378	104,553
Sales of $50,000 or more ..... farms	3,973	2,487	759	517
$1,000	526,415	287,818	119,857	89,481
Rice ..... farms	6,085	3,252	2,106	1,756
$1,000	2,020,231	786,234	1,030,410	895,316
Sales of $50,000 or more ..... farms	5,184	2,585	1,950	1,658
$1,000	1,995,322	767,581	1,026,316	892,692
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	44,445	6,642	3,792
$1,000	2,024,959	1,287,825	444,762	301,690
Sales of $50,000 or more ..... farms	10,062	6,874	1,776	1,143
$1,000	1,698,514	1,034,169	402,815	276,957
Tobacco ..... farms	16,228	13,747	1,958	761
$1,000	1,268,114	840,646	253,802	137,802
Sales of $50,000 or more ..... farms	4,495	3,393	760	358
$1,000	1,076,035	673,832	232,207	129,653
Cotton and cottonseed ..... farms	18,591	12,595	4,106	3,080
$1,000	4,898,608	2,401,685	1,778,427	1,496,084
Sales of $50,000 or more ..... farms	13,232	8,204	3,497	2,739
$1,000	4,784,510	2,309,948	1,764,598	1,488,044
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	56,878	6,255	3,918
$1,000	14,683,058	4,069,597	3,837,785	3,456,338
Sales of $50,000 or more ..... farms	13,824	7,913	2,635	2,010
$1,000	14,167,307	3,632,780	3,794,686	3,431,715
Fruits, tree nuts, and berries ..... farms	112,690	90,537	10,959	7,681
$1,000	18,625,459	6,024,582	4,865,345	4,465,045
Sales of $50,000 or more ..... farms	28,824	16,817	5,501	4,519
$1,000	17,681,378	5,232,802	4,785,055	4,415,214
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	34,849	4,215	3,196
$1,000	16,632,734	2,890,809	1,831,136	1,621,894
Sales of $50,000 or more ..... farms	17,039	7,681	1,910	1,596
$1,000	16,227,627	2,583,499	1,798,300	1,598,736
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	11,282	1,152	781
$1,000	384,594	188,859	87,261	75,524
Sales of $50,000 or more ..... farms	1,088	648	203	168
$1,000	306,465	126,404	78,805	69,841

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
FARMS AND LAND IN FARMS						
Farms ....number	96,074	85,837	83,796	10,237	9,330	28,136
percent	4.4	3.9	3.8	0.5	0.4	1.3
Land in farms ....acres	125,319,810	114,264,200	106,438,716	11,055,610	7,738,659	61,208,981
Average size of farm ....acres	1,304	1,331	1,270	1,080	829	2,175
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ....farms	96,074	85,837	83,796	10,237	9,330	28,136
$1,000	84,980,592	66,599,318	59,683,543	18,381,275	12,222,482	3,404,637
Average per farm ....dollars	884,533	775,881	712,248	1,795,572	1,310,020	121,006
Farms by economic class:						
Less than $1,000 (see text)	11,730	9,826	9,632	1,904	1,783	6,198
$1,000 to $2,499	4,228	3,547	3,469	681	623	3,639
$2,500 to $4,999	4,550	3,834	3,723	716	666	3,515
$5,000 to $9,999	5,277	4,588	4,473	689	655	3,617
$10,000 to $24,999	7,893	6,972	6,799	921	861	3,708
$25,000 to $49,999	6,579	5,918	5,786	661	631	2,071
$50,000 to $99,999	6,775	6,149	6,012	626	578	1,743
$100,000 to $249,999	11,600	10,761	10,585	839	792	1,763
$250,000 to $499,999	11,464	10,782	10,606	682	640	844
$500,000 to $999,999	11,284	10,593	10,397	691	638	512
$1,000,000 or more	14,694	12,867	12,314	1,827	1,463	526
$1,000,000 to $2,499,999	9,083	8,294	8,102	789	687	309
$2,500,000 to $4,999,999	3,017	2,619	2,475	398	342	129
$5,000,000 or more	2,594	1,954	1,737	640	434	88
Total sales ....farms	96,074	85,837	83,796	10,237	9,330	28,136
$1,000	84,118,556	65,785,258	58,890,432	18,333,298	12,177,784	3,289,859
Grains, oilseeds, dry beans, and dry peas ....farms	31,548	29,925	29,359	1,623	1,495	4,393
$1,000	10,538,775	10,064,068	9,829,902	474,708	399,543	526,535
Sales of $50,000 or more ....farms	24,038	23,066	22,633	972	905	1,719
$1,000	10,397,816	9,933,844	9,702,225	463,971	390,101	482,178
Corn ....farms	23,161	22,000	21,644	1,161	1,074	2,964
$1,000	5,479,720	5,221,497	5,129,424	258,223	217,487	277,225
Sales of $50,000 or more ....farms	16,640	16,002	15,751	638	597	980
$1,000	5,348,761	5,100,028	5,010,044	248,733	208,904	244,798
Wheat ....farms	13,119	12,588	12,324	531	486	1,474
$1,000	1,673,211	1,597,485	1,526,771	75,725	55,477	87,956
Sales of $50,000 or more ....farms	6,863	6,631	6,464	232	210	326
$1,000	1,551,117	1,480,327	1,411,563	70,790	51,010	72,510
Soybeans ....farms	18,809	17,991	17,703	818	764	2,359
$1,000	2,593,361	2,498,777	2,457,346	94,584	85,513	111,011
Sales of $50,000 or more ....farms	12,577	12,161	11,980	416	393	569
$1,000	2,455,480	2,367,614	2,328,648	87,866	79,462	83,257
Sorghum ....farms	2,127	2,012	1,981	115	102	324
$1,000	188,614	179,414	176,303	9,200	8,369	16,290
Sales of $50,000 or more ....farms	1,078	1,023	1,005	55	50	89
$1,000	168,570	160,222	157,301	8,348	7,610	13,010
Barley ....farms	2,008	1,944	1,851	64	55	139
$1,000	137,922	131,987	119,403	5,934	5,267	4,041
Sales of $50,000 or more ....farms	708	677	621	31	27	19
$1,000	115,840	110,312	98,387	5,529	4,935	2,899
Rice ....farms	668	597	579	71	68	59
$1,000	190,810	173,229	162,992	17,581	17,178	12,778
Sales of $50,000 or more ....farms	609	543	529	66	65	40
$1,000	188,989	171,581	161,445	17,408	(D)	12,436
Other grains, oilseeds, dry beans, and dry peas ....farms	3,720	3,579	3,524	141	122	421
$1,000	275,138	261,678	257,663	13,460	10,251	17,234
Sales of $50,000 or more ....farms	1,359	1,312	1,294	47	42	53
$1,000	246,924	234,458	230,896	12,466	(D)	14,606
Tobacco .... farms	470	440	435	30	30	53
$1,000	165,072	153,758	152,501	11,314	11,314	8,595
Sales of $50,000 or more ....farms	332	310	306	22	22	10
$1,000	162,087	150,918	(D)	11,168	11,168	7,909
Cotton and cottonseed ....farms	1,696	1,549	1,528	147	137	194
$1,000	667,703	473,839	(D)	193,864	41,060	50,794
Sales of $50,000 or more ....farms	1,429	1,319	1,300	110	100	102
$1,000	660,802	467,790	(D)	193,012	40,207	49,162
Vegetables, melons, potatoes, and sweet potatoes ....farms	5,168	4,624	4,504	544	489	799
$1,000	6,564,619	5,290,297	4,707,039	1,274,322	980,155	211,058
Sales of $50,000 or more ....farms	3,058	2,747	2,681	311	269	218
$1,000	6,536,005	5,264,703	4,682,547	1,271,303	977,326	203,836
Fruits, tree nuts, and berries ....farms	9,237	8,074	7,819	1,163	1,014	1,957
$1,000	7,243,341	5,572,511	4,830,845	1,670,830	1,154,134	492,191
Sales of $50,000 or more ....farms	5,656	4,864	4,666	792	669	850
$1,000	7,186,426	5,521,621	4,780,853	1,664,805	1,148,533	477,094
Nursery, greenhouse, floriculture, and sod (see text) ....farms	10,811	9,405	9,289	1,406	1,349	909
$1,000	11,784,367	9,454,244	8,987,525	2,330,123	2,041,135	126,422
Sales of $50,000 or more ....farms	7,227	6,242	6,160	985	933	221
$1,000	11,726,098	9,403,015	8,936,854	2,323,084	2,034,192	119,729
Cut Christmas trees and short-rotation woody crops ....farms	821	759	735	62	58	119
$1,000	105,438	90,614	(D)	14,824	(D)	3,036
Sales of $50,000 or more ....farms	215	196	189	19	17	22
$1,000	98,871	84,632	82,673	14,239	(D)	2,386

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.				
Total - Con.				
Total sales - Con.				
Other crops and hay (see text) ..... farms	434,502	380,574	34,000	17,668
$1,000	9,950,098	5,503,231	1,988,479	1,551,772
Sales of $50,000 or more ..... farms	27,831	18,096	5,118	3,739
$1,000	7,529,077	3,458,055	1,758,889	1,424,646
Cattle and calves ..... farms	798,290	700,525	66,002	32,372
$1,000	61,209,970	27,043,196	12,772,235	10,378,209
Sales of $50,000 or more ..... farms	119,983	86,737	18,900	12,201
$1,000	53,786,091	20,569,082	12,101,504	10,049,021
Milk and other dairy products from cows ..... farms	69,763	55,239	9,925	6,438
$1,000	31,848,029	15,359,574	10,424,758	9,214,763
Sales of $50,000 or more ..... farms	50,792	38,227	8,528	5,863
$1,000	31,558,210	15,102,856	10,400,077	9,204,957
Hogs and pigs ..... farms	74,789	63,473	5,806	3,155
$1,000	18,056,981	7,939,176	3,957,721	3,317,933
Sales of $50,000 or more ..... farms	19,956	13,488	2,665	1,767
$1,000	17,829,977	7,742,553	3,937,548	3,308,879
Sheep, goats, and their products ..... farms	121,171	111,189	6,326	2,887
$1,000	704,855	470,021	110,985	82,229
Sales of $50,000 or more ..... farms	1,825	1,223	313	212
$1,000	415,640	216,791	88,810	70,664
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	102,074	6,486	3,607
$1,000	2,061,862	1,128,314	329,767	298,609
Sales of $50,000 or more ..... farms	3,638	2,359	473	376
$1,000	1,559,047	702,380	294,690	276,316
Poultry and eggs ..... farms	148,911	134,458	7,931	3,902
$1,000	37,065,947	22,848,961	3,570,786	2,629,455
Sales of $50,000 or more ..... farms	26,267	21,255	2,060	1,341
$1,000	36,932,463	22,731,853	3,561,977	2,624,544
Aquaculture (see text) ..... farms	6,409	3,918	706	546
$1,000	1,415,271	330,138	194,456	153,110
Sales of $50,000 or more ..... farms	2,449	985	334	277
$1,000	1,376,454	304,543	190,178	149,847
Other animals and other animal products (see text) ..... farms	43,226	37,613	2,733	1,671
$1,000	1,199,649	451,120	169,273	154,576
Sales of $50,000 or more ..... farms	2,294	1,372	276	223
$1,000	1,066,659	345,369	156,777	145,265
Value of-				
Government payments ..... farms	838,391	697,216	83,151	45,227
$1,000	7,983,922	5,365,601	1,641,507	1,190,455
Landlord's share of total sales (see text) ..... farms	97,706	76,600	12,405	6,777
$1,000	6,429,386	4,157,790	1,287,174	894,949
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	136,817	122,236	8,326	4,479
$1,000	1,211,270	715,921	177,654	140,590
FARM PRODUCTION EXPENSES				
Total farm production expenses ..... farms	2,204,792	1,906,335	174,247	89,739
$1,000	241,113,666	120,730,912	49,405,644	40,335,327
Average per farm .....dollars	109,359	63,331	283,538	449,474
Fertilizer, lime, and soil conditioners purchased ..... farms	1,148,218	973,083	102,171	56,270
$1,000	18,107,194	10,910,809	3,853,451	2,829,744
Farms with expenses of-				
$1 to $4,999	734,931	659,382	47,643	22,122
$5,000 to $24,999	249,546	204,035	26,183	14,685
$25,000 to $49,999	74,633	55,985	9,455	5,925
$50,000 or more	89,108	53,681	18,890	13,538
Chemicals purchased ..... farms	918,604	766,609	84,786	49,319
$1,000	10,074,914	5,245,471	2,465,717	1,945,053
Farms with expenses of-				
$1 to $4,999	666,084	588,078	46,948	23,746
$5,000 to $24,999	162,785	125,765	18,875	11,670
$25,000 to $49,999	46,594	31,467	6,969	4,610
$50,000 or more	43,141	21,299	11,994	9,293
Seeds, plants, vines, and trees ..... farms	775,893	643,846	73,988	43,072
$1,000	11,740,521	6,177,872	2,399,039	1,829,370
Farms with expenses of-				
$1 to $999	302,164	274,411	17,714	8,257
$1,000 to $4,999	192,154	163,313	17,244	9,251
$5,000 to $24,999	173,462	137,901	19,139	11,450
$25,000 to $49,999	56,320	40,515	7,754	5,088
$50,000 or more	51,793	27,706	12,137	9,026

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.						
Total - Con.						
Total sales - Con.						
Other crops and hay (see text) ....farms	16,279	15,066	14,754	1,213	1,124	3,649
$1,000	2,337,073	1,989,012	1,799,570	348,060	155,005	121,315
Sales of $50,000 or more ....farms	4,331	4,051	3,941	280	239	286
$1,000	2,213,486	1,873,601	1,686,418	339,885	147,332	98,647
Cattle and calves ....farms	26,648	24,878	24,242	1,770	1,660	5,115
$1,000	20,640,494	13,847,166	11,661,624	6,793,328	4,640,116	754,045
Sales of $50,000 or more ....farms	13,052	12,243	11,813	809	725	1,294
$1,000	20,409,252	13,628,496	11,446,428	6,780,755	4,627,981	706,254
Milk and other dairy products from cows ....farms	4,203	4,011	3,892	192	176	396
$1,000	5,722,617	5,183,346	4,959,791	539,271	442,408	341,080
Sales of $50,000 or more ....farms	3,768	3,619	3,521	149	136	269
$1,000	5,715,741	5,177,272	4,953,905	538,468	441,672	339,537
Hogs and pigs ....farms	4,823	4,340	4,180	483	410	687
$1,000	5,995,805	4,604,648	3,929,454	1,391,157	857,334	164,279
Sales of $50,000 or more ....farms	3,664	3,253	3,127	411	344	139
$1,000	5,987,995	4,597,088	3,922,151	1,390,907	857,142	161,881
Sheep, goats, and their products ....farms	2,646	2,428	2,371	218	202	1,010
$1,000	112,603	103,823	99,441	8,779	(D)	11,245
Sales of $50,000 or more ....farms	255	240	223	15	10	34
$1,000	102,248	94,165	90,109	8,083	(D)	7,791
Horses, ponies, mules, burros, and donkeys ....farms	4,979	4,472	4,382	507	486	778
$1,000	585,162	439,969	437,734	145,193	144,528	18,620
Sales of $50,000 or more ....farms	751	653	644	98	93	55
$1,000	548,044	406,501	405,011	141,543	141,063	13,933
Poultry and eggs ....farms	5,545	4,968	4,760	577	440	977
$1,000	10,504,977	7,752,543	6,204,381	2,752,434	1,017,565	141,222
Sales of $50,000 or more ....farms	2,844	2,520	2,365	324	197	108
$1,000	10,499,152	7,747,266	6,199,438	2,751,887	1,017,063	139,481
Aquaculture (see text) ....farms	1,039	875	840	164	148	746
$1,000	654,093	489,657	474,664	164,436	145,136	236,584
Sales of $50,000 or more ....farms	656	532	508	124	111	474
$1,000	648,795	484,908	470,183	163,887	144,605	232,938
Other animals and other animal products (see text) ....farms	2,467	2,193	2,150	274	256	413
$1,000	496,417	275,763	270,946	220,655	133,009	82,839
Sales of $50,000 or more ....farms	597	510	499	87	77	49
$1,000	482,989	263,543	258,823	219,446	131,819	81,525
Value of-						
Government payments ....farms	44,009	40,793	39,914	3,216	2,968	14,015
$1,000	862,036	814,060	793,111	47,976	44,698	114,778
Landlord's share of total sales (see text) ....farms	8,270	7,887	7,784	383	371	431
$1,000	959,476	920,049	905,920	39,427	37,487	24,946
Agricultural products sold directly to individuals for human consumption (see text) ....farms	5,286	4,824	4,704	462	436	969
$1,000	303,695	269,463	255,378	34,232	29,607	14,000
FARM PRODUCTION EXPENSES						
Total farm production expenses ....farms	96,074	85,837	83,796	10,237	9,330	28,136
$1,000	68,061,799	52,805,234	47,179,340	15,256,565	10,075,087	2,915,311
Average per farm .... dollars	708,431	615,180	563,026	1,490,336	1,079,859	103,615
Fertilizer, lime, and soil conditioners purchased ....farms	63,002	57,694	56,516	5,308	4,897	9,962
$1,000	3,183,311	2,833,167	2,687,189	350,144	243,931	159,624
Farms with expenses of-						
$1 to $4,999	21,818	19,431	19,120	2,387	2,263	6,088
$5,000 to $24,999	16,645	15,294	15,001	1,351	1,251	2,683
$25,000 to $49,999	8,561	8,045	7,889	516	475	632
$50,000 or more	15,978	14,924	14,506	1,054	908	559
Chemicals purchased ....farms	58,300	53,340	52,165	4,960	4,502	8,909
$1,000	2,259,284	1,947,597	1,810,740	311,687	219,248	104,442
Farms with expenses of-						
$1 to $4,999	24,620	22,144	21,739	2,476	2,311	6,438
$5,000 to $24,999	16,339	15,195	14,907	1,144	1,046	1,806
$25,000 to $49,999	7,830	7,365	7,236	465	417	328
$50,000 or more	9,511	8,636	8,283	875	728	337
Seeds, plants, vines, and trees ....farms	51,285	47,173	46,254	4,112	3,796	6,774
$1,000	3,078,370	2,676,360	2,543,630	402,010	340,457	85,240
Farms with expenses of-						
$1 to $999	7,620	6,766	6,650	854	797	2,419
$1,000 to $4,999	9,412	8,549	8,369	863	803	2,185
$5,000 to $24,999	14,876	13,835	13,577	1,041	960	1,546
$25,000 to $49,999	7,727	7,320	7,210	407	383	324
$50,000 or more	11,650	10,703	10,448	947	853	300

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
FARM PRODUCTION EXPENSES - Con.				
Total farm production expenses - Con.				
Livestock and poultry purchased or leased (see text) ..... farms	490,819	424,972	38,695	20,990
$1,000	38,003,682	14,691,733	7,627,860	6,490,991
Farms with expenses of-				
$1 to $4,999	306,414	279,093	18,249	8,441
$5,000 to $24,999	97,441	81,857	9,444	5,173
$25,000 to $99,999	42,768	34,088	4,743	2,953
$100,000 to $249,999	24,183	18,173	2,810	1,894
$250,000 or more	20,013	11,761	3,449	2,529
Breeding livestock purchased or leased (see text) ..... farms	278,572	239,809	24,369	13,110
$1,000	3,599,873	2,038,884	761,177	639,247
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	242,351	20,034	11,045
$1,000	34,403,809	12,652,849	6,866,684	5,851,744
Feed purchased ..... farms	1,135,968	1,009,980	77,819	38,964
$1,000	49,095,106	25,967,391	9,514,521	8,056,074
Farms with expenses of-				
$1 to $4,999	766,606	709,441	40,195	15,953
$5,000 to $24,999	245,328	211,532	19,945	10,732
$25,000 to $99,999	66,394	50,400	8,691	5,536
$100,000 to $249,999	23,472	16,364	3,671	2,532
$250,000 or more	34,168	22,243	5,317	4,211
Gasoline, fuels, and oils ..... farms	2,148,806	1,860,117	168,594	87,371
$1,000	12,912,179	7,681,800	2,530,412	1,919,224
Farms with expenses of-				
$1 to $4,999	1,704,545	1,531,142	109,458	48,564
$5,000 to $24,999	336,324	268,318	35,495	21,090
$25,000 to $49,999	64,765	41,489	11,250	7,832
$50,000 or more	43,172	19,168	12,391	9,885
Utilities (see text) ..... farms	1,102,530	927,215	95,996	56,850
$1,000	5,917,615	2,937,738	1,286,663	1,079,929
Farms with expenses of-				
$1 to $999	506,560	462,623	29,170	13,163
$1,000 to $4,999	402,839	342,042	34,011	19,245
$5,000 to $24,999	157,818	107,379	23,840	16,819
$25,000 to $49,999	19,269	9,623	4,351	3,546
$50,000 or more	16,044	5,548	4,624	4,077
Supplies, repairs, and maintenance ..... farms	1,992,234	1,721,083	158,014	82,555
$1,000	15,896,723	9,181,204	3,069,829	2,413,386
Farms with expenses of-				
$1 to $4,999	1,478,317	1,330,468	94,452	41,231
$5,000 to $24,999	389,971	317,528	38,621	22,620
$25,000 to $49,999	73,014	49,282	11,659	8,020
$50,000 or more	50,932	23,805	13,282	10,684
Hired farm labor ..... farms	482,186	365,578	55,792	37,123
$1,000	21,877,661	6,425,308	4,753,189	4,184,723
Farms with expenses of-				
$1 to $4,999	262,262	231,676	19,214	9,452
$5,000 to $24,999	108,122	80,984	13,413	8,963
$25,000 to $99,999	75,938	41,913	14,341	10,977
$100,000 to $249,999	21,237	7,771	5,182	4,397
$250,000 or more	14,627	3,234	3,642	3,334
Contract labor ..... farms	182,701	139,959	21,272	14,735
$1,000	4,514,166	1,600,094	1,041,170	936,787
Farms with expenses of-				
$1 to $999	49,657	43,471	3,565	1,904
$1,000 to $4,999	66,104	53,950	6,342	4,018
$5,000 to $24,999	45,949	32,324	6,585	4,837
$25,000 to $49,999	9,730	5,631	1,879	1,478
$50,000 or more	11,261	4,583	2,901	2,498
Customwork and custom hauling ..... farms	362,475	298,749	36,469	22,356
$1,000	4,091,038	2,010,900	1,026,458	881,951
Farms with expenses of-				
$1 to $999	119,768	108,399	7,645	3,295
$1,000 to $4,999	131,318	112,566	11,157	6,095
$5,000 to $24,999	83,762	63,410	10,731	7,223
$25,000 to $49,999	14,558	8,757	2,970	2,315
$50,000 or more	13,069	5,617	3,966	3,428
Cash rent for land, buildings, and grazing fees ..... farms	490,372	396,412	53,719	31,684
$1,000	13,274,530	7,682,515	3,000,999	2,276,962
Farms with expenses of-				
$1 to $4,999	238,363	209,792	18,606	8,830
$5,000 to $9,999	59,281	48,864	6,198	3,537
$10,000 to $24,999	76,679	60,730	8,920	5,360
$25,000 or more	116,049	77,026	19,995	13,957

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Livestock and poultry purchased or leased (see text) ....farms	24,335	22,235	21,625	2,100	1,815	2,817
$1,000	15,291,889	9,919,915	8,193,754	5,371,974	3,302,403	392,200
Farms with expenses of-						
$1 to $4,999	7,408	6,792	6,687	616	594	1,664
$5,000 to $24,999	5,525	5,177	5,047	348	330	615
$25,000 to $99,999	3,686	3,426	3,338	260	226	251
$100,000 to $249,999	3,060	2,819	2,721	241	216	140
$250,000 or more	4,656	4,021	3,832	635	449	147
Breeding livestock purchased or leased (see text) ....farms	12,749	11,827	11,503	922	830	1,645
$1,000	765,221	552,479	514,844	212,742	129,270	34,591
Other livestock and poultry purchased or leased (see text) ....farms	15,231	13,807	13,408	1,424	1,201	1,539
$1,000	14,526,668	9,367,436	7,678,909	5,159,232	3,173,133	357,609
Feed purchased ....farms	40,665	36,825	36,013	3,840	3,536	7,504
$1,000	13,121,427	9,755,508	8,291,186	3,365,919	2,077,390	491,767
Farms with expenses of-						
$1 to $4,999	12,735	11,409	11,249	1,326	1,285	4,235
$5,000 to $24,999	11,775	10,719	10,532	1,056	1,009	2,076
$25,000 to $99,999	6,570	6,133	5,990	437	412	733
$100,000 to $249,999	3,231	3,025	2,959	206	188	206
$250,000 or more	6,354	5,539	5,283	815	642	254
Gasoline, fuels, and oils ....farms	94,071	84,211	82,251	9,860	8,983	26,024
$1,000	2,544,909	2,158,993	1,998,821	385,916	269,790	155,058
Farms with expenses of-						
$1 to $4,999	42,974	37,351	36,549	5,623	5,274	20,971
$5,000 to $24,999	28,571	26,315	25,839	2,256	2,067	3,940
$25,000 to $49,999	11,404	10,654	10,434	750	668	622
$50,000 or more	11,122	9,891	9,429	1,231	974	491
Utilities (see text) ....farms	69,304	63,195	61,794	6,109	5,523	10,015
$1,000	1,586,984	1,278,496	1,160,961	308,488	202,962	106,230
Farms with expenses of-						
$1 to $999	10,885	9,737	9,588	1,148	1,104	3,882
$1,000 to $4,999	23,246	21,484	21,134	1,762	1,679	3,540
$5,000 to $24,999	24,710	23,021	22,613	1,689	1,550	1,889
$25,000 to $49,999	4,969	4,407	4,248	562	489	326
$50,000 or more	5,494	4,546	4,211	948	701	378
Supplies, repairs, and maintenance ....farms	89,833	80,528	78,631	9,305	8,462	23,304
$1,000	3,440,414	2,896,241	2,655,622	544,173	378,397	205,277
Farms with expenses of-						
$1 to $4,999	36,086	31,362	30,720	4,724	4,438	17,311
$5,000 to $24,999	29,345	27,070	26,565	2,275	2,118	4,477
$25,000 to $49,999	11,272	10,553	10,319	719	628	801
$50,000 or more	13,130	11,543	11,027	1,587	1,278	715
Hired farm labor ....farms	54,894	49,893	48,749	5,001	4,412	5,922
$1,000	10,176,246	8,235,137	7,581,285	1,941,109	1,403,293	522,919
Farms with expenses of-						
$1 to $4,999	9,254	8,518	8,384	736	685	2,118
$5,000 to $24,999	12,418	11,572	11,391	846	794	1,307
$25,000 to $99,999	18,318	16,981	16,690	1,337	1,239	1,366
$100,000 to $249,999	7,607	6,824	6,647	783	683	677
$250,000 or more	7,297	5,998	5,637	1,299	1,011	454
Contract labor ....farms	18,971	16,954	16,475	2,017	1,791	2,499
$1,000	1,772,144	1,395,402	1,198,175	376,742	238,633	100,757
Farms with expenses of-						
$1 to $999	2,186	1,987	1,960	199	189	435
$1,000 to $4,999	5,096	4,696	4,603	400	377	716
$5,000 to $24,999	6,300	5,704	5,585	596	547	740
$25,000 to $49,999	1,972	1,717	1,659	255	224	248
$50,000 or more	3,417	2,850	2,668	567	454	360
Customwork and custom hauling ....farms	23,874	22,075	21,557	1,799	1,611	3,383
$1,000	986,899	811,479	724,864	175,421	125,242	66,780
Farms with expenses of-						
$1 to $999	2,815	2,573	2,532	242	228	909
$1,000 to $4,999	6,459	6,037	5,941	422	401	1,136
$5,000 to $24,999	8,662	8,175	8,004	487	428	959
$25,000 to $49,999	2,637	2,407	2,344	230	207	194
$50,000 or more	3,301	2,883	2,736	418	347	185
Cash rent for land, buildings, and grazing fees ....farms	37,335	34,469	33,775	2,866	2,637	2,906
$1,000	2,512,808	2,274,049	2,167,797	238,759	194,669	78,207
Farms with expenses of-						
$1 to $4,999	8,467	7,561	7,403	906	846	1,498
$5,000 to $9,999	3,822	3,502	3,421	320	300	397
$10,000 to $24,999	6,602	6,141	6,022	461	422	427
$25,000 or more	18,444	17,265	16,929	1,179	1,069	584

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
FARM PRODUCTION EXPENSES - Con.				
Total farm production expenses - Con.				
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	81,060	14,403	10,053
$1,000	1,385,219	548,929	413,216	357,979
Farms with expenses of-				
$1 to $999	39,280	33,850	3,245	1,809
$1,000 to $4,999	31,997	24,893	3,595	2,351
$5,000 to $24,999	26,656	17,464	4,355	3,184
$25,000 to $49,999	5,778	3,027	1,326	1,054
$50,000 or more	5,488	1,826	1,882	1,655
Interest expense ..... farms	667,454	558,541	60,634	36,113
$1,000	10,880,731	6,946,551	2,026,902	1,568,286
Farms with expenses of-				
$1 to $4,999	289,876	256,821	20,056	9,639
$5,000 to $24,999	275,988	234,294	22,884	13,443
$25,000 to $99,999	87,574	61,340	13,510	9,578
$100,000 or more	14,016	6,086	4,184	3,453
Secured by real estate ..... farms	519,095	441,533	43,594	25,496
$1,000	7,185,334	4,812,419	1,212,516	929,340
Farms with expenses of-				
$1 to $999	58,501	52,212	4,058	1,796
$1,000 to $4,999	171,356	154,157	10,661	5,224
$5,000 to $24,999	225,304	192,677	18,077	10,521
$25,000 to $49,999	39,515	28,952	5,247	3,591
$50,000 or more	24,419	13,535	5,551	4,364
Not secured by real estate ..... farms	413,327	340,773	40,768	24,201
$1,000	3,695,397	2,134,131	814,386	638,946
Farms with expenses of-				
$1 to $999	122,808	109,418	8,341	3,851
$1,000 to $4,999	153,159	131,798	12,312	6,426
$5,000 to $24,999	106,610	82,518	12,567	8,049
$25,000 to $49,999	18,841	11,854	3,795	2,827
$50,000 or more	11,909	5,185	3,753	3,048
Property taxes paid ..... farms	1,995,808	1,729,483	156,447	81,034
$1,000	6,223,048	4,400,415	870,321	617,014
Farms with expenses of-				
$1 to $4,999	1,717,819	1,529,522	117,700	54,718
$5,000 to $9,999	172,489	135,276	19,450	12,237
$10,000 to $24,999	80,800	52,904	13,328	9,366
$25,000 or more	24,700	11,781	5,969	4,713
All other production expenses (see text) ..... farms	1,115,703	933,869	100,404	59,087
$1,000	17,119,339	8,322,183	3,525,898	2,947,852
Farms with expenses of-				
$1 to $4,999	765,840	684,778	51,183	24,635
$5,000 to $24,999	234,512	180,383	27,461	17,690
$25,000 to $49,999	55,174	36,426	8,930	6,426
$50,000 to $99,999	32,742	19,707	6,212	4,757
$100,000 or more	27,435	12,575	6,618	5,579
Production expenses paid by landlords [1] ..... farms	67,427	52,046	8,578	4,912
$1,000	1,556,963	1,031,772	284,763	195,670
Depreciation expenses claimed (see text) ..... farms	963,340	803,168	88,229	52,843
$1,000	20,185,540	12,241,267	3,741,502	2,901,197
NET CASH FARM INCOME (SEE TEXT)				
Net cash farm income of operations (see text) ..... farms	2,204,792	1,906,335	174,247	89,739
$1,000	74,581,098	38,752,427	16,251,623	12,474,461
Average per farm ..... dollars	33,827	20,328	93,268	139,008
Farms with net gains [2] ..... number	1,037,041	858,868	101,952	55,787
Average net gain ..... dollars	89,479	59,887	182,752	256,022
Gain of-				
Less than $1,000	102,871	93,314	6,315	2,508
$1,000 to $4,999	221,477	197,910	15,462	6,402
$5,000 to $9,999	128,828	112,978	10,194	4,732
$10,000 to $24,999	170,636	145,566	15,262	7,450
$25,000 to $49,999	119,233	98,495	12,002	6,458
$50,000 or more	293,996	210,605	42,717	28,237
Farms with net losses ..... number	1,167,751	1,047,467	72,295	33,952
Average net loss ..... dollars	15,596	12,108	32,925	53,259
Loss of-				
Less than $1,000	134,307	122,802	7,813	2,773
$1,000 to $4,999	426,570	393,473	22,877	8,348
$5,000 to $9,999	247,156	227,065	12,899	5,485
$10,000 to $24,999	225,863	202,387	13,923	7,030
$25,000 to $49,999	76,927	64,207	6,493	4,027
$50,000 or more	56,928	37,533	8,290	6,289

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	12,788	11,527	11,218	1,261	1,110	948
$1,000	405,209	328,156	297,112	77,053	49,886	17,866
Farms with expenses of-						
$1 to $999	1,883	1,708	1,678	175	163	302
$1,000 to $4,999	3,260	2,995	2,933	265	245	249
$5,000 to $24,999	4,573	4,149	4,051	424	389	264
$25,000 to $49,999	1,360	1,212	1,171	148	134	65
$50,000 or more	1,712	1,463	1,385	249	179	68
Interest expense ..... farms	44,116	40,457	39,692	3,659	3,379	4,163
$1,000	1,808,128	1,566,206	1,485,847	241,922	184,528	99,150
Farms with expenses of-						
$1 to $4,999	11,086	10,037	9,893	1,049	999	1,913
$5,000 to $24,999	17,302	16,006	15,776	1,296	1,241	1,508
$25,000 to $99,999	12,137	11,285	11,058	852	775	587
$100,000 or more	3,591	3,129	2,965	462	364	155
Secured by real estate ..... farms	30,832	28,331	27,775	2,501	2,304	3,136
$1,000	1,090,824	947,815	902,584	143,009	107,449	69,574
Farms with expenses of-						
$1 to $999	1,762	1,554	1,531	208	203	469
$1,000 to $4,999	5,626	5,135	5,063	491	453	912
$5,000 to $24,999	13,319	12,395	12,210	924	891	1,231
$25,000 to $49,999	5,030	4,701	4,624	329	305	286
$50,000 or more	5,095	4,546	4,347	549	452	238
Not secured by real estate ..... farms	29,156	26,889	26,368	2,267	2,079	2,630
$1,000	717,304	618,392	583,263	98,913	77,080	29,576
Farms with expenses of-						
$1 to $999	4,163	3,758	3,701	405	393	886
$1,000 to $4,999	8,069	7,457	7,328	612	572	980
$5,000 to $24,999	10,960	10,243	10,071	717	677	565
$25,000 to $49,999	3,089	2,901	2,841	188	165	103
$50,000 or more	2,875	2,530	2,427	345	272	96
Property taxes paid ..... farms	87,085	78,232	76,356	8,853	8,019	22,793
$1,000	861,197	733,884	681,677	127,313	82,813	91,115
Farms with expenses of-						
$1 to $4,999	51,521	45,737	44,895	5,784	5,373	19,076
$5,000 to $9,999	15,625	14,406	14,141	1,219	1,125	2,138
$10,000 to $24,999	13,476	12,468	12,133	1,008	889	1,092
$25,000 or more	6,463	5,621	5,187	842	632	487
All other production expenses (see text) ..... farms	71,265	64,963	63,545	6,302	5,678	10,165
$1,000	5,032,580	3,994,645	3,700,679	1,037,935	761,446	238,679
Farms with expenses of-						
$1 to $4,999	23,379	21,274	20,905	2,105	1,985	6,500
$5,000 to $24,999	24,192	22,471	22,096	1,721	1,599	2,476
$25,000 to $49,999	9,291	8,607	8,443	684	639	527
$50,000 to $99,999	6,485	5,905	5,753	580	497	338
$100,000 or more	7,918	6,706	6,348	1,212	958	324
Production expenses paid by landlords [1] ..... farms	6,515	6,021	5,953	494	484	288
$1,000	233,217	219,562	217,429	13,655	12,323	7,211
Depreciation expenses claimed (see text) ..... farms	63,465	57,939	56,631	5,526	4,972	8,478
$1,000	3,995,633	3,350,071	3,121,325	645,562	443,588	207,138
NET CASH FARM INCOME (SEE TEXT)						
Net cash farm income of operations (see text) ..... farms	96,074	85,837	83,796	10,237	9,330	28,136
$1,000	18,799,386	15,484,079	14,088,121	3,315,307	2,299,371	777,662
Average per farm ..... dollars	195,676	180,389	168,124	323,855	246,449	27,639
Farms with net gains [2] ..... number	60,726	55,102	53,774	5,624	5,052	15,495
Average net gain ..... dollars	355,120	321,974	301,442	679,874	530,398	74,937
Gain of-						
Less than $1,000	1,714	1,431	1,395	283	264	1,528
$1,000 to $4,999	4,479	3,840	3,743	639	586	3,626
$5,000 to $9,999	3,433	3,019	2,950	414	389	2,223
$10,000 to $24,999	6,636	5,972	5,851	664	632	3,172
$25,000 to $49,999	6,905	6,318	6,205	587	548	1,831
$50,000 or more	37,559	34,522	33,630	3,037	2,633	3,115
Farms with net losses ..... number	35,348	30,735	30,022	4,613	4,278	12,641
Average net loss ..... dollars	78,240	73,444	70,669	110,190	88,874	30,337
Loss of-						
Less than $1,000	1,980	1,647	1,604	333	318	1,712
$1,000 to $4,999	6,153	5,183	5,054	970	921	4,067
$5,000 to $9,999	5,037	4,319	4,230	718	671	2,155
$10,000 to $24,999	7,432	6,556	6,440	876	833	2,121
$25,000 to $49,999	5,199	4,650	4,565	549	505	1,028
$50,000 or more	9,547	8,380	8,129	1,167	1,030	1,558

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
NET CASH FARM INCOME (SEE TEXT) - Con.				
Net cash farm income of operators (see text) ..... farms	2,204,792	1,906,335	174,247	89,739
$1,000	64,197,836	31,347,895	14,777,137	11,489,737
Average per farm ..... dollars	29,117	16,444	84,806	128,035
Operators reporting net gains [2] ..... farms	1,025,783	849,975	100,596	55,081
Average net gain ..... dollars	81,061	52,282	171,986	243,384
Gain of-				
Less than $1,000	103,330	93,691	6,380	2,538
$1,000 to $4,999	222,713	198,934	15,586	6,460
$5,000 to $9,999	129,906	113,869	10,271	4,772
$10,000 to $24,999	173,780	148,291	15,446	7,597
$25,000 to $49,999	122,964	101,625	12,250	6,613
$50,000 or more	273,090	193,565	40,663	27,101
Operators reporting net losses ..... farms	1,179,009	1,056,360	73,651	34,658
Average net loss ..... dollars	16,075	12,392	34,270	55,285
Loss of-				
Less than $1,000	135,011	123,430	7,864	2,791
$1,000 to $4,999	428,133	394,860	22,984	8,382
$5,000 to $9,999	248,731	228,374	13,119	5,578
$10,000 to $24,999	228,206	204,315	14,148	7,106
$25,000 to $49,999	78,919	65,741	6,726	4,143
$50,000 or more	60,009	39,640	8,810	6,658
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)				
Total ..... farms	50,572	38,351	7,199	4,713
$1,000	4,445,758	2,647,855	1,210,848	942,156
INCOME FROM FARM-RELATED SOURCES				
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	693,187	571,677	67,257	39,481
$1,000	10,489,874	6,554,797	1,766,148	1,308,493
Customwork and other agricultural services ..... farms	121,874	98,003	13,661	8,424
$1,000	1,875,665	1,173,995	340,520	252,509
Gross cash rent or share payments ..... farms	241,923	201,127	21,546	12,135
$1,000	2,883,897	1,972,164	381,914	270,174
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	47,603	40,671	4,129	2,363
$1,000	594,944	428,415	82,393	55,588
Agri-tourism and recreational services (see text) ..... farms	23,350	16,452	3,230	2,303
$1,000	566,834	205,109	114,317	97,990
Patronage dividends and refunds from cooperatives ..... farms	288,196	233,328	30,535	18,444
$1,000	854,995	480,818	205,101	166,043
Crop and livestock insurance payments received (see text) ..... farms	82,001	63,456	10,655	6,636
$1,000	1,676,727	1,082,365	347,905	245,336
Amount from state and local government agricultural program payments (see text) ..... farms	34,410	28,163	4,080	2,403
$1,000	145,413	100,667	26,493	19,810
Other farm-related income sources (see text) ..... farms	118,939	97,031	11,234	6,764
$1,000	1,891,400	1,111,264	267,504	201,042
LAND USE				
Total cropland ..... farms	1,685,339	1,440,564	143,526	74,836
acres	406,424,909	273,634,759	76,378,232	52,459,635
Harvested cropland ..... farms	1,328,004	1,133,780	114,432	62,063
acres	309,607,601	205,926,488	60,383,411	42,005,132
Farms by acres harvested:				
1 to 49 acres	700,266	631,520	41,049	18,862
50 to 99 acres	179,055	156,616	14,823	7,188
100 to 199 acres	141,875	119,928	13,929	7,338
200 to 499 acres	143,776	115,346	16,565	9,629
500 to 999 acres	82,211	61,558	10,514	6,643
1,000 to 1,999 acres	53,728	35,185	9,115	6,112
2,000 acres or more	27,093	13,627	8,437	6,291
Cropland-				
For pasture or grazing only ..... farms	404,753	350,140	34,898	16,005
acres	35,771,154	26,295,732	5,594,557	3,381,587
On which all crops failed or were abandoned ..... farms	89,587	75,805	8,414	4,550
acres	7,405,898	5,431,430	1,221,812	754,191
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	360,225	300,626	31,738	17,058
acres	37,968,749	26,806,550	5,921,219	3,910,130
In cultivated summer fallow ..... farms	67,960	53,389	8,017	4,751
acres	15,671,507	9,174,559	3,257,233	2,408,595

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
NET CASH FARM INCOME (SEE TEXT) - Con.						
Net cash farm income of operators (see text) ..... farms	96,074	85,837	83,796	10,237	9,330	28,136
$1,000	17,326,247	13,981,350	12,603,403	3,344,898	2,255,107	746,556
Average per farm ..... dollars	180,343	162,883	150,406	326,746	241,705	26,534
Operators reporting net gains [2] ..... farms	59,760	54,208	52,884	5,552	4,993	15,452
Average net gain ..... dollars	339,285	302,431	280,980	699,115	533,041	73,463
Gain of-						
Less than $1,000	1,740	1,457	1,421	283	264	1,519
$1,000 to $4,999	4,548	3,899	3,803	649	595	3,645
$5,000 to $9,999	3,531	3,119	3,045	412	388	2,235
$10,000 to $24,999	6,880	6,206	6,083	674	641	3,163
$25,000 to $49,999	7,249	6,653	6,533	596	557	1,840
$50,000 or more	35,812	32,874	31,999	2,938	2,548	3,050
Operators reporting net losses ..... farms	36,314	31,629	30,912	4,685	4,337	12,684
Average net loss ..... dollars	81,221	76,286	72,979	114,534	93,697	30,637
Loss of-						
Less than $1,000	2,000	1,665	1,624	335	319	1,717
$1,000 to $4,999	6,221	5,242	5,114	979	928	4,068
$5,000 to $9,999	5,075	4,365	4,278	710	666	2,163
$10,000 to $24,999	7,613	6,720	6,600	893	847	2,130
$25,000 to $49,999	5,420	4,855	4,770	565	521	1,032
$50,000 or more	9,985	8,782	8,526	1,203	1,056	1,574
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)						
Total ..... farms	4,733	4,517	4,463	216	198	289
$1,000	568,381	544,147	537,844	24,233	23,356	18,675
INCOME FROM FARM-RELATED SOURCES						
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	44,865	41,571	40,595	3,294	3,017	9,388
$1,000	1,880,593	1,689,996	1,583,918	190,597	151,976	288,336
Customwork and other agricultural services ..... farms	9,602	9,168	8,993	434	410	608
$1,000	347,015	322,403	301,683	24,612	21,333	14,135
Gross cash rent or share payments ..... farms	13,167	12,010	11,585	1,157	1,025	6,083
$1,000	376,642	329,945	298,874	46,697	34,836	153,177
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	2,193	1,974	1,882	219	191	610
$1,000	60,160	53,837	47,371	6,323	4,197	23,976
Agri-tourism and recreational services (see text) ..... farms	3,089	2,781	2,669	308	267	579
$1,000	213,161	181,399	163,901	31,763	19,648	34,246
Patronage dividends and refunds from cooperatives ..... farms	22,137	20,967	20,552	1,170	1,087	2,196
$1,000	158,453	144,697	134,269	13,756	12,226	10,622
Crop and livestock insurance payments received (see text) ..... farms	7,298	6,948	6,797	350	330	592
$1,000	230,242	215,440	206,872	14,802	11,896	16,215
Amount from state and local government agricultural program payments (see text) ..... farms	1,754	1,638	1,599	116	110	413
$1,000	16,370	15,323	14,893	1,046	1,043	1,883
Other farm-related income sources (see text) ..... farms	9,659	9,007	8,819	652	607	1,015
$1,000	478,550	426,952	416,055	51,598	46,797	34,081
LAND USE						
Total cropland ..... farms	79,415	71,724	70,116	7,691	7,062	21,834
acres	51,363,072	47,755,279	45,748,650	3,607,793	2,682,011	5,048,846
Harvested cropland ..... farms	67,992	62,217	60,955	5,775	5,336	11,800
acres	40,813,604	38,171,090	36,679,780	2,642,514	1,969,582	2,484,098
Farms by acres harvested:						
1 to 49 acres	21,724	18,964	18,688	2,760	2,625	5,973
50 to 99 acres	5,846	5,270	5,154	576	535	1,770
100 to 199 acres	6,422	5,815	5,718	607	549	1,596
200 to 499 acres	10,468	9,740	9,529	728	647	1,397
500 to 999 acres	9,564	9,115	8,926	449	409	575
1,000 to 1,999 acres	9,118	8,735	8,579	383	346	310
2,000 acres or more	4,850	4,578	4,361	272	225	179
Cropland-						
For pasture or grazing only ..... farms	15,281	13,778	13,472	1,503	1,401	4,434
acres	3,056,003	2,619,187	2,500,442	436,816	303,608	824,862
On which all crops failed or were abandoned ..... farms	4,345	3,949	3,841	396	355	1,023
acres	636,699	593,159	558,206	43,540	38,316	115,957
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	18,395	16,371	15,870	2,024	1,814	9,466
acres	3,789,593	3,404,712	3,252,307	384,881	280,230	1,451,387
In cultivated summer fallow ..... farms	5,642	5,306	5,129	336	303	912
acres	3,067,173	2,967,131	2,757,915	100,042	90,275	172,542

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
LAND USE - Con.				
Total woodland ..... farms	843,294	742,422	62,545	31,359
acres	75,098,603	52,179,468	9,826,538	6,512,147
Woodland pastured ..... farms	370,297	331,135	26,858	11,983
acres	28,609,690	18,908,968	3,687,319	2,450,200
Woodland not pastured ..... farms	596,123	519,818	45,589	24,079
acres	46,488,913	33,270,500	6,139,219	4,061,947
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ..... farms	1,132,606	1,002,226	82,104	40,598
acres	408,832,116	227,940,850	70,959,899	52,374,565
Land in house lots, ponds, roads, wasteland, etc. ..... farms	1,126,272	976,899	83,071	45,164
acres	31,740,212	20,394,973	4,252,330	2,938,468
Irrigated land ..... farms	301,028	230,316	33,658	23,847
acres	56,599,305	28,074,132	15,692,733	13,135,935
Harvested cropland ..... farms	256,105	191,159	30,543	21,962
acres	51,537,104	25,055,346	14,716,707	12,344,183
Pastureland and other land ..... farms	72,585	60,697	6,025	3,991
acres	5,062,201	3,018,786	976,026	791,752
CONSERVATION PRACTICES AND CROP INSURANCE				
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ..... farms	346,231	285,141	32,674	17,230
acres	38,547,450	27,914,435	5,637,681	3,639,576
Land enrolled in crop insurance programs (see text) ..... farms	349,408	272,220	42,969	26,463
acres	222,267,817	141,841,658	46,988,220	33,233,007
ORGANIC AGRICULTURE				
Land used for organic production (see text) ..... farms	20,437	16,595	1,764	1,223
acres	2,577,418	1,648,633	371,780	285,893
Total organic product sales (see text) ..... farms	18,211	14,716	1,572	1,101
$1,000	1,709,111	699,239	357,865	319,251
VALUE OF LAND AND BUILDINGS				
Estimated market value of land and buildings ..... farms	2,204,792	1,906,335	174,247	89,739
$1,000	1,744,295,252	1,203,042,981	277,034,189	194,345,439
Average per farm ..... dollars	791,138	631,076	1,589,894	2,165,674
Average per acre ..... dollars	1,892	2,095	1,716	1,701
Farms by value group:				
$1 to $49,999	223,182	199,768	14,795	5,447
$50,000 to $99,999	212,783	191,903	13,450	5,030
$100,000 to $199,999	374,783	340,999	21,518	8,782
$200,000 to $499,999	631,939	568,721	39,060	17,858
$500,000 to $999,999	371,783	321,156	28,997	15,324
$1,000,000 to $1,999,999	206,282	165,298	22,322	13,278
$2,000,000 to $4,999,999	132,549	91,841	21,115	14,191
$5,000,000 to $9,999,999	36,072	20,042	8,337	6,130
$10,000,000 or more	15,419	6,607	4,653	3,699
VALUE OF MACHINERY AND EQUIPMENT				
Estimated market value of all machinery and equipment ..... farms	2,204,513	1,906,140	174,230	89,726
$1,000	194,783,471	138,188,087	29,642,407	20,236,519
Farms by value group:				
$1 to $4,999	195,820	176,418	12,055	4,945
$5,000 to $9,999	217,460	195,953	13,599	5,634
$10,000 to $19,999	351,088	316,663	21,574	9,136
$20,000 to $49,999	598,289	535,850	38,514	17,622
$50,000 to $99,999	366,768	319,784	27,847	14,053
$100,000 to $199,999	232,001	192,163	22,288	12,530
$200,000 to $499,999	175,152	131,216	22,739	14,347
$500,000 or more	67,935	38,093	15,614	11,459
SELECTED MACHINERY AND EQUIPMENT				
Trucks, including pickups (see text) ..... farms	1,783,324	1,544,121	139,457	72,679
number	3,512,538	2,798,697	383,940	230,800
Tractors ..... farms	1,844,647	1,596,485	146,381	76,175
number	4,389,812	3,578,955	463,140	268,458
Less than 40 horsepower (PTO) ..... farms	910,937	794,430	68,427	34,562
number	1,280,039	1,092,957	105,357	55,676
40 to 99 horsepower (PTO) ..... farms	1,238,101	1,066,119	102,875	53,304
number	1,998,508	1,661,685	194,439	108,125
100 horsepower (PTO) or more ..... farms	555,941	446,631	62,969	37,019
number	1,111,265	824,313	163,344	104,657
Grain and bean combines, self-propelled ..... farms	295,490	235,232	35,788	20,316
number	346,935	270,379	46,140	27,006

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
LAND USE - Con.						
Total woodland ....farms	29,630	26,747	26,111	2,883	2,658	8,697
acres	7,727,301	6,874,238	6,358,570	853,063	698,271	5,365,296
Woodland pastured ....farms	9,652	8,820	8,624	832	788	2,652
acres	2,822,252	2,539,049	2,366,568	283,203	252,931	3,191,151
Woodland not pastured ....farms	23,742	21,429	20,920	2,313	2,124	6,974
acres	4,905,049	4,335,189	3,992,002	569,860	445,340	2,174,145
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ....farms	37,999	34,678	33,901	3,321	3,116	10,277
acres	62,037,729	56,152,597	51,141,526	5,885,132	3,866,129	47,893,638
Land in house lots, ponds, roads, wasteland, etc. ....farms	53,368	48,184	47,040	5,184	4,619	12,934
acres	4,191,708	3,482,086	3,189,970	709,622	492,248	2,901,201
Irrigated land ....farms	32,496	29,049	28,320	3,447	3,115	4,558
acres	11,970,801	10,459,532	9,759,591	1,511,269	943,675	861,639
Harvested cropland ....farms	30,410	27,208	26,533	3,202	2,897	3,993
acres	11,044,402	9,608,150	8,985,669	1,436,252	896,215	720,649
Pastureland and other land ....farms	4,836	4,383	4,244	453	400	1,027
acres	926,399	851,382	773,922	75,017	47,460	140,990
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ....farms	18,022	16,339	15,867	1,683	1,515	10,394
acres	3,442,260	3,170,788	3,058,432	271,472	248,958	1,553,074
Land enrolled in crop insurance programs (see text) ....farms	30,754	28,814	28,239	1,940	1,800	3,465
acres	31,691,029	30,144,035	28,956,618	1,546,994	1,269,444	1,746,910
ORGANIC AGRICULTURE						
Land used for organic production (see text) ....farms	1,728	1,498	1,458	230	197	350
acres	521,551	465,543	442,696	56,008	38,181	35,454
Total organic product sales (see text) ....farms	1,604	1,386	1,351	218	188	319
$1,000	625,126	477,283	416,248	147,843	79,805	26,880
VALUE OF LAND AND BUILDINGS						
Estimated market value of land and buildings ....farms	96,074	85,837	83,796	10,237	9,330	28,136
$1,000	226,574,069	200,552,780	189,533,187	26,021,289	20,242,944	37,644,013
Average per farm .... dollars	2,358,329	2,336,437	2,261,841	2,541,886	2,169,662	1,337,931
Average per acre .... dollars	1,808	1,755	1,781	2,354	2,616	615
Farms by value group:						
$1 to $49,999	4,965	4,160	4,059	805	752	3,654
$50,000 to $99,999	4,312	3,701	3,621	611	578	3,118
$100,000 to $199,999	7,755	6,543	6,395	1,212	1,120	4,511
$200,000 to $499,999	17,543	15,403	15,102	2,140	1,997	6,615
$500,000 to $999,999	17,145	15,311	15,059	1,834	1,694	4,485
$1,000,000 to $1,999,999	15,891	14,497	14,208	1,394	1,280	2,771
$2,000,000 to $4,999,999	17,670	16,397	16,014	1,273	1,127	1,923
$5,000,000 to $9,999,999	7,113	6,589	6,356	524	445	580
$10,000,000 or more	3,680	3,236	2,982	444	337	479
VALUE OF MACHINERY AND EQUIPMENT						
Estimated market value of all machinery and equipment ....farms	96,063	85,827	83,786	10,236	9,329	28,080
$1,000	24,687,859	22,122,952	21,076,382	2,564,908	1,974,842	2,265,117
Farms by value group:						
$1 to $4,999	3,964	3,259	3,169	705	660	3,383
$5,000 to $9,999	4,574	3,809	3,714	765	709	3,334
$10,000 to $19,999	8,087	6,893	6,697	1,194	1,116	4,764
$20,000 to $49,999	16,574	14,401	14,120	2,173	2,033	7,351
$50,000 to $99,999	14,890	13,299	13,025	1,591	1,481	4,247
$100,000 to $199,999	15,087	13,744	13,465	1,343	1,222	2,463
$200,000 to $499,999	19,357	17,977	17,607	1,380	1,237	1,840
$500,000 or more	13,530	12,445	11,989	1,085	871	698
SELECTED MACHINERY AND EQUIPMENT						
Trucks, including pickups (see text) ....farms	81,225	73,382	71,701	7,843	7,146	18,521
number	291,879	263,885	254,380	27,994	23,091	38,022
Tractors ....farms	81,045	73,157	71,483	7,888	7,197	20,736
number	301,059	273,859	265,247	27,200	23,197	46,658
Less than 40 horsepower (PTO) ....farms	37,712	33,963	33,210	3,749	3,420	10,368
number	66,877	59,729	58,067	7,148	6,323	14,848
40 to 99 horsepower (PTO) ....farms	55,669	50,480	49,282	5,189	4,703	13,438
number	121,011	108,648	105,105	12,363	10,554	21,373
100 horsepower (PTO) or more ....farms	40,496	37,826	36,914	2,670	2,403	5,845
number	113,171	105,482	102,075	7,689	6,320	10,437
Grain and bean combines, self-propelled ....farms	22,475	21,622	21,236	853	811	1,995
number	27,937	26,869	26,264	1,068	1,013	2,479

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
SELECTED MACHINERY AND EQUIPMENT - Con.				
Cotton pickers and strippers, self-propelled ... farms	12,500	8,297	2,968	2,275
number	18,162	11,368	4,847	3,819
Forage harvesters, self-propelled ... farms	60,133	47,244	7,746	4,813
number	64,191	49,766	8,560	5,427
Hay balers ... farms	593,543	518,772	49,882	24,424
number	727,501	632,866	63,538	31,346
FERTILIZERS AND CHEMICALS				
Commercial fertilizer, lime, and soil conditioners ... farms	1,022,036	861,116	93,781	52,148
acres treated	265,995,497	174,531,367	53,309,273	37,261,380
Manure ... farms	307,073	259,194	28,459	16,171
acres treated	22,096,315	14,493,422	4,287,103	3,155,178
Acres treated with chemicals to control-				
Insects ... farms	354,357	274,654	41,885	27,032
acres	90,947,822	53,055,642	22,164,246	16,869,252
Weeds, grass, or brush ... farms	703,884	581,887	67,600	39,689
acres	226,295,783	145,211,977	46,347,800	32,652,538
Nematodes ... farms	34,992	25,893	4,633	3,080
acres	7,560,158	4,262,188	1,892,151	1,483,632
Diseases in crops and orchards ... farms	97,333	69,789	12,870	9,206
acres	22,693,212	11,488,368	6,365,946	5,008,822
Chemicals used to control growth, thin fruit, ripen, or defoliate ... farms	44,638	30,980	7,416	5,444
acres treated	12,125,799	5,888,253	4,007,584	3,266,201
TENURE				
Full owners ... farms	1,522,033	1,337,187	106,721	52,707
Part owners ... farms	542,192	457,807	51,359	27,875
Tenants ... farms	140,567	111,341	16,167	9,157
OWNED AND RENTED LAND				
Land owned ... farms	2,072,101	1,801,494	158,886	80,954
acres	646,247,118	390,998,415	100,920,014	70,945,208
Owned land in farms ... farms	2,064,225	1,794,994	158,080	80,582
acres	571,303,487	342,219,405	91,910,148	65,044,046
Land rented or leased from others ... farms	689,102	574,287	68,255	37,375
acres	355,918,954	235,281,237	70,408,598	49,873,412
Rented or leased land in farms ... farms	682,759	569,148	67,526	37,032
acres	350,792,353	231,930,645	69,506,851	49,240,769
Land rented or leased to others ... farms	314,140	261,754	28,374	15,022
acres	80,070,232	52,129,602	9,911,613	6,533,805
NUMBER OF OPERATORS				
Total operators ... number	3,337,450	2,779,982	332,596	179,972
Farms by number of operators:				
1 operator ...	1,273,122	1,152,596	61,725	27,996
2 operators ...	786,598	662,131	80,112	42,289
3 operators ...	112,285	73,376	24,167	14,025
4 operators ...	22,529	13,168	5,711	3,696
5 or more operators ...	10,258	5,064	2,532	1,733
Total women operators ... number	1,008,943	867,484	78,692	42,939
Farms by number of women operators:				
1 operator ...	894,347	788,384	58,170	30,378
2 operators ...	45,408	32,469	7,862	4,685
3 operators ...	5,439	3,479	1,094	709
4 operators ...	1,017	555	216	155
5 or more operators ...	546	255	110	81
PRINCIPAL OPERATOR CHARACTERISTICS				
Sex of operator:				
Male ...	1,898,583	1,641,178	152,518	78,811
Female ...	306,209	265,157	21,729	10,928
Primary occupation:				
Farming ...	993,881	829,119	93,302	51,918
Other ...	1,210,911	1,077,216	80,945	37,821
Place of residence:				
On farm operated ...	1,693,362	1,505,255	112,788	55,846
Not on farm operated ...	511,430	401,080	61,459	33,893
Days worked off farm:				
None ...	777,747	648,526	73,333	38,501
Any ...	1,427,045	1,257,809	100,914	51,238
1 to 49 days ...	238,479	205,032	20,014	10,370
50 to 99 days ...	115,578	100,824	8,890	4,603
100 to 199 days ...	196,687	173,809	13,723	6,982
200 days or more ...	876,301	778,144	58,287	29,283
Years on present farm:				
2 years or less ...	84,883	73,170	6,525	3,385
3 or 4 years ...	138,858	120,765	10,262	5,621
5 to 9 years ...	359,545	313,411	26,727	14,428

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
SELECTED MACHINERY AND EQUIPMENT - Con.						
Cotton pickers and strippers, self-propelled ....farms	1,127	1,031	1,020	96	87	108
number	1,782	1,539	1,510	243	157	165
Forage harvesters, self-propelled ....farms	4,618	4,394	4,261	224	204	525
number	5,295	5,014	4,818	281	244	570
Hay balers ....farms	20,751	19,520	19,115	1,231	1,150	4,138
number	25,995	24,456	23,921	1,539	1,413	5,102
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners ....farms	58,276	53,552	52,448	4,724	4,337	8,863
acres treated	35,807,598	33,237,844	31,839,082	2,569,754	1,878,531	2,347,259
Manure ....farms	17,587	16,572	16,231	1,015	957	1,833
acres treated	3,118,063	2,891,446	2,760,514	226,617	165,861	197,727
Acres treated with chemicals to control-						
Insects ....farms	34,057	31,076	30,379	2,981	2,686	3,761
acres	14,902,653	13,387,959	12,699,159	1,514,694	1,042,139	825,281
Weeds, grass, or brush ....farms	47,757	44,001	43,070	3,756	3,418	6,640
acres	32,894,118	30,888,468	29,619,302	2,005,650	1,574,442	1,841,888
Nematodes ....farms	3,971	3,511	3,403	460	423	495
acres	1,325,346	1,127,348	1,069,319	197,998	151,296	80,473
Diseases in crops and orchards ....farms	13,325	11,954	11,648	1,371	1,228	1,349
acres	4,649,578	4,089,710	3,837,063	559,868	426,211	189,320
Chemicals used to control growth, thin fruit, ripen, or defoliate ....farms	5,613	4,981	4,849	632	562	629
acres treated	2,106,277	1,709,900	1,575,963	396,377	218,780	123,685
TENURE						
Full owners ....farms	54,265	47,421	46,099	6,844	6,160	23,860
Part owners ....farms	30,330	28,514	27,957	1,816	1,669	2,696
Tenants ....farms	11,479	9,902	9,740	1,577	1,501	1,580
OWNED AND RENTED LAND						
Land owned ....farms	85,059	76,362	74,469	8,697	7,864	26,662
acres	88,348,580	79,427,172	72,437,325	8,921,408	6,040,823	65,980,109
Owned land in farms ....farms	84,595	75,935	74,056	8,660	7,829	26,556
acres	80,453,287	72,406,385	66,052,345	8,046,902	5,358,089	56,720,647
Land rented or leased from others ....farms	42,175	38,754	38,026	3,421	3,197	4,385
acres	45,625,430	42,507,086	41,005,089	3,118,344	2,457,898	4,603,689
Rented or leased land in farms ....farms	41,809	38,416	37,697	3,393	3,170	4,276
acres	44,866,523	41,857,815	40,386,371	3,008,708	2,380,570	4,488,334
Land rented or leased to others ....farms	15,727	14,269	13,761	1,458	1,304	8,285
acres	8,654,200	7,670,058	7,003,698	984,142	760,062	9,374,817
NUMBER OF OPERATORS						
Total operators ....number	179,168	160,067	155,638	19,101	16,937	45,704
Farms by number of operators:						
1 operator	41,666	36,243	35,329	5,423	4,905	17,135
2 operators	36,738	33,781	33,202	2,957	2,803	7,617
3 operators	12,444	11,262	10,938	1,182	1,072	2,298
4 operators	3,135	2,859	2,761	276	250	515
5 or more operators	2,091	1,692	1,566	399	300	571
Total women operators ....number	48,425	44,009	43,158	4,416	4,085	14,342
Farms by number of women operators:						
1 operator	37,055	34,085	33,521	2,970	2,816	10,738
2 operators	3,999	3,592	3,512	407	382	1,078
3 operators	641	545	529	96	89	225
4 operators	172	146	136	26	24	74
5 or more operators	112	82	75	30	19	69
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male	83,289	74,641	72,806	8,648	7,809	21,598
Female	12,785	11,196	10,990	1,589	1,521	6,538
Primary occupation:						
Farming	61,348	56,216	54,971	5,132	4,697	10,112
Other	34,726	29,621	28,825	5,105	4,633	18,024
Place of residence:						
On farm operated	61,848	57,173	56,176	4,675	4,392	13,471
Not on farm operated	34,226	28,664	27,620	5,562	4,938	14,665
Days worked off farm:						
None	44,429	40,443	39,491	3,986	3,590	11,459
Any	51,645	45,394	44,305	6,251	5,740	16,677
1 to 49 days	9,901	8,693	8,434	1,208	1,102	3,532
50 to 99 days	4,707	4,219	4,123	488	461	1,157
100 to 199 days	7,220	6,530	6,428	690	630	1,935
200 days or more	29,817	25,952	25,320	3,865	3,547	10,053
Years on present farm:						
2 years or less	3,490	2,833	2,739	657	582	1,698
3 or 4 years	5,771	4,852	4,715	919	857	2,060
5 to 9 years	14,239	12,141	11,832	2,098	1,914	5,168

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
PRINCIPAL OPERATOR CHARACTERISTICS - Con.				
Years on present farm - Con.				
10 years or more	1,621,506	1,398,989	130,733	66,305
Average years on present farm	21.6	21.5	23.0	22.2
Age group:				
Under 25 years	11,878	10,659	823	310
25 to 34 years	106,735	94,759	7,438	3,750
35 to 44 years	268,818	235,807	18,655	10,239
45 to 49 years	256,694	222,677	18,302	10,353
50 to 54 years	308,707	265,382	23,683	13,415
55 to 59 years	312,577	269,061	24,255	13,173
60 to 64 years	283,729	245,505	22,294	11,577
65 to 69 years	235,152	203,906	19,025	9,255
70 years and over	420,502	358,579	39,772	17,667
Average age	57.1	57.0	58.5	57.5
Spanish, Hispanic, or Latino origin (see text)	55,570	48,150	4,506	2,225
Race:				
American Indian or Alaska Native	34,706	32,051	1,494	537
Asian	11,214	8,833	1,097	722
Black or African American	30,599	27,120	2,476	724
Native Hawaiian or Other Pacific Islander	1,356	1,182	98	61
White	2,114,325	1,826,072	168,117	87,283
More than one race reported	12,592	11,077	965	412
Farms by number of persons living in operator's household:				
1 person	275,842	239,109	21,203	9,770
2 people	1,108,995	955,906	90,913	45,953
3 people	330,188	287,046	25,586	13,290
4 people	285,919	247,288	21,735	12,192
5 or more people	203,848	176,986	14,810	8,534
Percent of operator's total household income from farming:				
Less than 25 percent	1,583,710	1,405,554	109,926	51,718
25 to 49 percent	174,800	148,361	15,343	7,979
50 to 74 percent	187,421	152,829	18,994	10,839
75 to 99 percent	147,092	113,478	17,531	10,783
100 percent	111,769	86,113	12,453	8,420
Operator is a hired manager ... farms	59,759	29,534	8,542	6,321
acres	120,672,499	19,445,147	18,983,555	16,342,945
Farms with-				
Internet access	1,246,723	1,067,407	94,834	56,248
High-speed internet access	726,700	606,426	60,232	37,464
Farms by number of households sharing in net income of farm:				
1 household	1,733,827	1,564,450	86,284	41,847
2 households	356,707	269,604	62,333	31,270
3 households	66,438	41,131	16,221	10,126
4 households	30,004	20,247	5,753	3,917
5 households or more	17,816	10,903	3,656	2,579
FARMS BY TYPE OF ORGANIZATION				
Family or individual ... farms	1,906,335	1,906,335	-	-
acres	574,150,050	574,150,050	-	-
Partnership ... farms	174,247	-	174,247	89,739
acres	161,416,999	-	161,416,999	114,284,815
Registered under state law ... farms	89,739	-	89,739	89,739
acres	114,284,815	-	114,284,815	114,284,815
Corporation ... farms	96,074	-	-	-
acres	125,319,810	-	-	-
Family held ... farms	85,837	-	-	-
acres	114,264,200	-	-	-
More than 10 stockholders ... farms	2,041	-	-	-
10 or less stockholders ... farms	83,796	-	-	-
Other than family held ... farms	10,237	-	-	-
acres	11,055,610	-	-	-
More than 10 stockholders ... farms	907	-	-	-
10 or less stockholders ... farms	9,330	-	-	-
Other-cooperative, estate or trust, institutional, etc ... farms	28,136	-	-	-
acres	61,208,981	-	-	-
HIRED FARM LABOR				
Hired farm labor ... farms	482,186	365,578	55,792	37,123
workers	2,636,509	1,311,510	462,447	382,178
Workers by days worked:				
150 days or more ... farms	201,292	121,346	33,360	25,222
workers	911,439	317,682	190,990	164,872
Less than 150 days ... farms	384,051	302,957	40,753	25,996
workers	1,725,070	993,828	271,457	217,306

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Years on present farm - Con.						
10 years or more	72,574	66,011	64,510	6,563	5,977	19,210
Average years on present farm	22.2	22.7	22.8	17.3	17.4	20.8
Age group:						
Under 25 years	247	210	199	37	37	149
25 to 34 years	3,541	3,037	2,959	504	461	997
35 to 44 years	11,820	10,370	10,158	1,450	1,315	2,536
45 to 49 years	13,024	11,535	11,271	1,489	1,365	2,691
50 to 54 years	16,135	14,439	14,114	1,696	1,529	3,507
55 to 59 years	15,420	13,835	13,510	1,585	1,437	3,841
60 to 64 years	12,303	11,114	10,867	1,189	1,087	3,627
65 to 69 years	9,140	8,294	8,089	846	764	3,081
70 years and over	14,444	13,003	12,629	1,441	1,335	7,707
Average age	56.2	56.4	56.3	55.1	55.1	60.3
Spanish, Hispanic, or Latino origin (see text)	2,240	1,843	1,784	397	365	674
Race:						
American Indian or Alaska Native	511	433	425	78	70	650
Asian	1,125	961	933	164	140	159
Black or African American	635	549	528	86	81	368
Native Hawaiian or Other Pacific Islander	63	50	47	13	13	13
White	93,360	83,513	81,539	9,847	8,979	26,776
More than one race reported	380	331	324	49	47	170
Farms by number of persons living in operator's household:						
1 person	10,204	8,673	8,475	1,531	1,442	5,326
2 people	47,936	43,278	42,232	4,658	4,254	14,240
3 people	14,040	12,532	12,270	1,508	1,373	3,516
4 people	13,763	12,252	11,975	1,511	1,346	3,133
5 or more people	10,131	9,102	8,844	1,029	915	1,921
Percent of operator's total household income from farming:						
Less than 25 percent	47,033	40,603	39,595	6,430	5,915	21,197
25 to 49 percent	8,899	8,148	7,990	751	694	2,197
50 to 74 percent	13,347	12,329	12,023	1,018	907	2,251
75 to 99 percent	14,529	13,406	13,084	1,123	1,010	1,554
100 percent	12,266	11,351	11,104	915	804	937
Operator is a hired manager ... farms	17,119	14,728	13,986	2,391	1,907	4,564
acres	38,980,938	32,738,484	27,740,246	6,242,454	3,415,085	43,262,859
Farms with-						
Internet access	70,734	64,085	62,649	6,649	5,997	13,748
High-speed internet access	50,522	45,634	44,515	4,888	4,352	9,520
Farms by number of households sharing in net income of farm:						
1 household	61,728	54,898	53,634	6,830	6,168	21,365
2 households	20,713	18,668	18,293	2,045	1,922	4,057
3 households	7,690	6,969	6,788	721	661	1,396
4 households	3,308	2,987	2,888	321	298	696
5 households or more	2,635	2,315	2,193	320	281	622
FARMS BY TYPE OF ORGANIZATION						
Family or individual ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Partnership ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Registered under state law ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Corporation ... farms	96,074	85,837	83,796	10,237	9,330	-
acres	125,319,810	114,264,200	106,438,716	11,055,610	7,738,659	-
Family held ... farms	85,837	85,837	83,796	-	-	-
acres	114,264,200	114,264,200	106,438,716	-	-	-
More than 10 stockholders ... farms	2,041	2,041	-	-	-	-
10 or less stockholders ... farms	83,796	83,796	83,796	-	-	-
Other than family held ... farms	10,237	-	-	10,237	9,330	-
acres	11,055,610	-	-	11,055,610	7,738,659	-
More than 10 stockholders ... farms	907	-	-	907	-	-
10 or less stockholders ... farms	9,330	-	-	9,330	9,330	-
Other-cooperative, estate or trust, institutional, etc ... farms	-	-	-	-	-	28,136
acres	-	-	-	-	-	61,208,981
HIRED FARM LABOR						
Hired farm labor ... farms	54,894	49,893	48,749	5,001	4,412	5,922
workers	816,829	674,326	635,696	142,503	111,612	45,723
Workers by days worked:						
150 days or more ... farms	42,894	38,903	37,942	3,991	3,479	3,692
workers	381,223	309,646	287,618	71,577	54,101	21,544
Less than 150 days ... farms	36,248	33,030	32,275	3,218	2,871	4,093
workers	435,606	364,680	348,078	70,926	57,511	24,179

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
HIRED FARM LABOR - Con.				
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	25,469	6,067	4,462
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	6,927	783	465
FARMS BY SIZE				
1 to 9 acres	232,849	210,585	11,553	5,132
10 to 49 acres	620,283	563,287	33,023	14,533
50 to 69 acres	153,862	138,500	9,401	4,071
70 to 99 acres	192,043	172,264	12,425	5,590
100 to 139 acres	175,146	155,276	12,499	5,363
140 to 179 acres	139,479	121,879	11,151	4,982
180 to 219 acres	87,502	75,789	7,315	3,541
220 to 259 acres	68,313	58,673	5,999	2,944
260 to 499 acres	212,553	177,816	21,117	11,034
500 to 999 acres	149,713	117,791	17,956	10,679
1,000 to 1,999 acres	92,656	66,379	13,706	8,850
2,000 acres or more	80,393	48,096	18,102	13,020
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)				
Oilseed and grain farming (1111)	338,237	279,040	35,317	18,862
Vegetable and melon farming (1112)	40,589	34,183	3,318	1,937
Fruit and tree nut farming (1113)	98,281	79,502	9,326	6,573
Greenhouse, nursery, and floriculture production (1114)	54,889	39,329	4,410	3,264
Other crop farming (1119)	519,893	449,380	41,810	20,794
Tobacco farming (11191)	9,626	8,341	1,041	323
Cotton farming (11192)	9,968	7,108	1,905	1,390
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	433,931	38,864	19,081
Beef cattle ranching and farming (112111)	656,475	592,845	44,918	19,218
Cattle feedlots (112112)	31,065	26,631	2,545	1,322
Dairy cattle and milk production (11212)	57,318	45,128	8,425	5,606
Hog and pig farming (1122)	30,546	25,373	2,341	1,391
Poultry and egg production (1123)	64,570	57,487	3,452	1,848
Sheep and goat farming (1124)	67,254	62,712	3,323	1,125
Animal aquaculture and other animal production (1125, 1129)	245,675	214,725	15,062	7,799
FARM TYPOLOGY (SEE TEXT)				
Small family farms:				
Limited resource farms ..... farms	308,837	280,742	22,278	8,457
acres	42,419,764	35,891,558	4,852,032	2,586,702
Retirement farms ..... farms	456,093	412,954	33,803	14,369
acres	89,580,775	73,519,723	11,564,609	6,644,227
Residential/lifestyle farms ..... farms	801,844	736,536	48,273	22,853
acres	121,143,585	99,962,238	14,974,602	9,453,461
Farming occupation/lower sales ..... farms	258,899	231,427	19,057	9,339
acres	87,190,445	71,994,898	10,255,449	6,183,649
Farming occupation/higher sales ..... farms	100,126	85,158	9,217	5,207
acres	104,081,344	79,654,275	14,588,129	9,630,570
Large family farms ..... farms	86,551	66,806	11,537	7,296
acres	123,024,138	84,293,577	21,988,089	14,335,560
Very large family farms ..... farms	101,265	63,178	21,540	15,897
acres	211,224,012	109,388,634	64,210,534	49,107,701
Non-family farms ..... farms	91,177	29,534	8,542	6,321
acres	143,431,777	19,445,147	18,983,555	16,342,945
LIVESTOCK				
Cattle and calves inventory ..... farms	963,669	853,223	74,855	36,045
number	96,347,858	59,500,378	18,413,650	13,836,404
Farms with-				
1 to 9	233,078	218,711	10,185	3,616
10 to 49	415,493	380,721	25,689	9,892
50 to 99	135,117	118,900	11,535	5,315
100 to 199	91,193	75,378	10,703	5,843
200 to 499	59,234	43,266	9,732	6,174
500 or more	29,554	16,247	7,011	5,205
Cows and heifers that had calved ..... farms	818,992	724,037	65,334	31,283
number	42,101,375	29,095,152	7,651,972	5,520,423
Beef cows ..... farms	764,984	681,557	57,428	25,970
number	32,834,801	24,382,582	4,747,014	2,992,060
Farms with-				
1 to 9	246,863	231,219	11,379	4,106
10 to 49	360,845	326,163	25,596	10,245
50 to 99	84,253	71,360	8,665	4,286
100 to 199	43,575	34,155	5,891	3,345
200 to 499	23,635	15,883	4,379	2,825
500 or more	5,813	2,777	1,518	1,163

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
HIRED FARM LABOR - Con.						
Migrant farm labor on farms with hired labor (see text) ....farms	6,830	6,077	5,883	753	638	418
Migrant farm labor on farms reporting only contract labor (see text) ....farms	555	471	463	84	84	223
FARMS BY SIZE						
1 to 9 acres	8,505	7,245	7,124	1,260	1,192	2,206
10 to 49 acres	17,663	15,233	15,003	2,430	2,248	6,310
50 to 69 acres	4,247	3,666	3,589	581	546	1,714
70 to 99 acres	4,843	4,140	4,041	703	647	2,511
100 to 139 acres	4,903	4,266	4,175	637	598	2,468
140 to 179 acres	4,102	3,516	3,427	586	543	2,347
180 to 219 acres	3,082	2,678	2,623	404	356	1,316
220 to 259 acres	2,566	2,271	2,223	295	253	1,075
260 to 499 acres	10,341	9,287	9,070	1,054	959	3,279
500 to 999 acres	11,829	10,995	10,713	834	737	2,137
1,000 to 1,999 acres	11,328	10,673	10,456	655	574	1,243
2,000 acres or more	12,665	11,867	11,352	798	677	1,530
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)						
Oilseed and grain farming (1111)	20,420	19,430	19,107	990	927	3,460
Vegetable and melon farming (1112)	2,672	2,346	2,305	326	291	416
Fruit and tree nut farming (1113)	7,801	6,736	6,501	1,065	920	1,652
Greenhouse, nursery, and floriculture production (1114)	10,365	9,009	8,903	1,356	1,304	785
Other crop farming (1119)	16,254	14,028	13,576	2,226	1,994	12,449
Tobacco farming (11191)	224	208	208	16	16	20
Cotton farming (11192)	869	795	787	74	66	86
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	15,161	13,025	12,581	2,136	1,912	12,343
Beef cattle ranching and farming (112111)	14,265	13,039	12,675	1,226	1,164	4,447
Cattle feedlots (112112)	1,703	1,478	1,433	225	198	186
Dairy cattle and milk production (11212)	3,487	3,334	3,286	153	140	278
Hog and pig farming (1122)	2,648	2,268	2,186	380	315	184
Poultry and egg production (1123)	3,320	2,921	2,794	399	268	311
Sheep and goat farming (1124)	837	714	705	123	115	382
Animal aquaculture and other animal production (1125, 1129)	12,302	10,534	10,325	1,768	1,694	3,586
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited resource farms ....farms	5,817	5,817	5,684	-	-	-
acres	1,676,174	1,676,174	1,629,441	-	-	-
Retirement farms ....farms	9,336	9,336	9,109	-	-	-
acres	4,496,443	4,496,443	4,342,999	-	-	-
Residential/lifestyle farms ....farms	17,035	17,035	16,747	-	-	-
acres	6,206,745	6,206,745	6,047,144	-	-	-
Farming occupation/lower sales ....farms	8,415	8,415	8,269	-	-	-
acres	4,940,098	4,940,098	4,735,352	-	-	-
Farming occupation/higher sales ....farms	5,751	5,751	5,685	-	-	-
acres	9,838,940	9,838,940	9,622,842	-	-	-
Large family farms ....farms	8,208	8,208	8,095	-	-	-
acres	16,742,472	16,742,472	16,355,595	-	-	-
Very large family farms ....farms	16,547	16,547	16,221	-	-	-
acres	37,624,844	37,624,844	35,965,097	-	-	-
Non-family farms ....farms	24,965	14,728	13,986	10,237	9,330	28,136
acres	43,794,094	32,738,484	27,740,246	11,055,610	7,738,659	61,208,981
LIVESTOCK						
Cattle and calves inventory ....farms	29,284	27,180	26,531	2,104	1,972	6,307
number	17,346,291	13,554,847	12,200,963	3,791,444	2,756,913	1,087,539
Farms with-						
1 to 9	2,864	2,566	2,538	298	291	1,318
10 to 49	6,560	5,958	5,861	602	588	2,523
50 to 99	3,878	3,621	3,565	257	238	804
100 to 199	4,466	4,251	4,171	215	208	646
200 to 499	5,627	5,364	5,232	263	249	609
500 or more	5,889	5,420	5,164	469	398	407
Cows and heifers that had calved ....farms	24,248	22,663	22,104	1,585	1,495	5,373
number	4,845,317	4,394,824	4,100,797	450,493	363,857	508,934
Beef cows ....farms	20,843	19,406	18,906	1,437	1,360	5,156
number	3,295,084	2,994,823	2,758,562	300,261	235,831	410,121
Farms with-						
1 to 9	2,977	2,712	2,665	265	257	1,288
10 to 49	6,809	6,259	6,167	550	532	2,277
50 to 99	3,546	3,354	3,302	192	185	682
100 to 199	3,086	2,907	2,829	179	168	443
200 to 499	3,030	2,889	2,769	141	130	343
500 or more	1,395	1,285	1,174	110	88	123

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Family or individual	Partnership	
				Total	Registered under state law
LIVESTOCK - Con.					
Cattle and calves inventory - Con.					
Cows and heifers that had calved - Con.					
Milk cows	farms	69,890	55,489	9,841	6,371
	number	9,266,574	4,712,570	2,904,958	2,528,363
Farms with-					
1 to 9		14,426	13,018	947	409
10 to 49		19,912	17,909	1,569	707
50 to 99		18,986	15,514	2,599	1,524
100 to 199		8,975	5,658	2,199	1,541
200 to 499		4,307	2,144	1,290	1,045
500 or more		3,284	1,246	1,237	1,145
Other cattle (see text)	farms	788,633	694,301	63,253	31,369
	number	54,246,483	30,405,226	10,761,678	8,315,981
Cattle and calves sold	farms	798,290	700,525	66,002	32,372
	number	74,071,936	37,291,086	14,884,941	11,823,891
	$1,000	61,209,970	27,043,196	12,772,235	10,378,209
Calves weighing less than 500 pounds	farms	414,324	362,967	35,841	17,923
	number	13,695,252	9,111,295	2,527,274	1,961,743
Cattle, including calves weighing 500 pounds or more	farms	681,126	594,565	57,894	28,937
	number	60,376,684	28,179,791	12,357,667	9,862,148
Cattle on feed (see text)	farms	76,396	63,790	7,621	4,146
	number	27,595,928	6,453,818	6,572,565	5,833,719
Hogs and pigs inventory	farms	75,442	64,187	5,795	3,094
	number	67,786,318	29,130,237	15,510,121	13,146,633
Farms with-					
1 to 24		45,047	41,519	2,231	950
25 to 49		4,292	3,803	321	129
50 to 99		3,182	2,755	284	128
100 to 199		2,590	2,214	250	125
200 to 499		4,524	3,728	474	255
500 or more		15,807	10,168	2,235	1,507
Used or to be used for breeding	farms	32,867	27,617	2,777	1,417
	number	6,290,610	1,621,525	1,721,671	1,537,564
Other hogs and pigs	farms	66,441	56,006	5,301	2,895
	number	61,495,708	27,508,712	13,788,450	11,609,069
Hogs and pigs sold	farms	74,789	63,473	5,806	3,155
	number	206,807,181	83,015,929	46,820,180	39,800,990
	$1,000	18,056,981	7,939,176	3,957,721	3,317,933
Sheep and lambs inventory	farms	83,134	75,303	4,732	2,242
	number	5,819,162	3,870,574	935,230	661,624
Ewes 1 year old or older	farms	68,222	61,669	3,923	1,879
	number	3,516,409	2,375,347	562,927	389,598
Sheep and lambs sold	farms	53,268	48,012	3,227	1,572
	number	4,579,608	2,904,585	746,292	546,444
Horses and ponies inventory	farms	575,942	515,498	34,951	18,243
	number	4,028,827	3,331,992	311,102	199,556
Owned	farms	501,528	450,951	28,951	15,215
	number	3,224,964	2,720,344	233,350	145,049
Horses and ponies sold	farms	133,472	118,495	7,814	4,368
	number	506,503	415,308	39,160	24,929
Owned	farms	106,050	94,471	6,075	3,421
	number	400,845	329,590	30,983	20,108
Goats, all inventory	farms	144,466	133,279	7,307	3,037
	number	3,140,529	2,709,064	284,501	158,095
Goats sold	farms	61,748	57,369	2,955	1,252
	number	1,387,576	1,207,841	121,869	66,714
POULTRY					
Layers inventory (see text)	farms	145,615	134,221	6,928	3,053
	number	349,772,508	109,525,421	54,944,313	48,754,748
Farms with-					
1 to 399		140,844	130,541	6,484	2,769
400 to 3,199		785	632	70	32
3,200 to 9,999		626	544	42	23
10,000 to 19,999		1,373	1,174	103	55
20,000 to 49,999		1,292	1,021	118	83
50,000 to 99,999		261	165	30	23
100,000 or more		434	144	81	68
Pullets for laying flock replacement inventory	farms	22,514	20,453	1,213	528
	number	105,876,529	53,113,032	11,353,615	9,702,016
Layers sold	farms	24,971	22,613	1,325	671
	number	194,955,057	71,781,441	34,699,659	31,112,182
Pullets for laying flock replacement sold (see text)	farms	4,169	3,662	261	141
	number	161,354,686	94,632,009	16,051,817	12,229,287

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
LIVESTOCK - Con.						
Cattle and calves inventory - Con.						
Cows and heifers that had calved - Con.						
Milk cows ....farms	4,138	3,949	3,830	189	173	422
number	1,550,233	1,400,001	1,342,235	150,232	128,026	98,813
Farms with-						
1 to 9	330	302	281	28	27	131
10 to 49	368	348	341	20	18	66
50 to 99	808	784	774	24	24	65
100 to 199	1,045	1,012	981	33	32	73
200 to 499	829	804	781	25	22	44
500 or more	758	699	672	59	50	43
Other cattle (see text) ....farms	26,013	24,241	23,653	1,772	1,657	5,066
number	12,500,974	9,160,023	8,100,166	3,340,951	2,393,056	578,605
Cattle and calves sold ....farms	26,648	24,878	24,242	1,770	1,660	5,115
number	20,997,121	14,699,297	12,629,041	6,297,824	4,301,244	898,788
$1,000	20,640,494	13,847,166	11,661,624	6,793,328	4,640,116	754,045
Calves weighing less than 500 pounds ....farms	12,813	11,910	11,612	903	854	2,703
number	1,887,297	1,627,285	1,542,995	260,012	218,710	169,386
Cattle, including calves weighing 500 pounds or more ....farms	24,235	22,710	22,121	1,525	1,422	4,432
number	19,109,824	13,072,012	11,086,046	6,037,812	4,082,534	729,402
Cattle on feed (see text) ....farms	4,526	4,218	4,127	308	268	459
number	14,219,165	8,635,173	6,919,486	5,583,992	3,719,729	350,380
Hogs and pigs inventory ....farms	4,755	4,251	4,098	504	427	705
number	22,498,978	16,947,369	14,262,513	5,551,609	3,298,780	646,982
Farms with-						
1 to 24	881	795	782	86	80	416
25 to 49	102	95	88	7	6	66
50 to 99	97	92	89	5	1	46
100 to 199	99	92	89	7	6	27
200 to 499	277	269	259	8	8	45
500 or more	3,299	2,908	2,791	391	326	105
Used or to be used for breeding ....farms	2,096	1,786	1,679	310	254	377
number	2,864,503	1,964,514	1,603,897	899,989	534,126	82,911
Other hogs and pigs ....farms	4,515	4,048	3,905	467	394	619
number	19,634,475	14,982,855	12,658,616	4,651,620	2,764,654	564,071
Hogs and pigs sold ....farms	4,823	4,340	4,180	483	410	687
number	74,958,962	54,913,788	46,484,493	20,045,174	12,753,672	2,012,110
$1,000	5,995,805	4,604,648	3,929,454	1,391,157	857,334	164,279
Sheep and lambs inventory ....farms	2,199	2,003	1,959	196	182	900
number	900,401	847,981	803,193	52,420	39,941	112,957
Ewes 1 year old or older ....farms	1,884	1,733	1,691	151	137	746
number	507,719	486,281	453,946	21,438	14,147	70,416
Sheep and lambs sold ....farms	1,471	1,371	1,335	100	89	558
number	849,464	801,131	763,170	48,333	44,359	79,267
Horses and ponies inventory ....farms	21,320	19,175	18,783	2,145	2,053	4,173
number	316,372	274,730	267,387	41,642	37,581	69,361
Owned ....farms	18,197	16,316	16,007	1,881	1,810	3,429
number	215,220	184,662	179,090	30,558	27,432	56,050
Horses and ponies sold ....farms	6,250	5,646	5,537	604	577	913
number	44,390	38,253	37,285	6,137	5,751	7,645
Owned ....farms	4,784	4,306	4,220	478	457	720
number	33,822	28,824	27,961	4,998	4,659	6,450
Goats, all inventory ....farms	2,856	2,561	2,526	295	278	1,024
number	113,413	102,902	102,402	10,511	7,423	33,551
Goats sold ....farms	1,033	949	930	84	82	391
number	46,158	44,243	43,492	1,915	(D)	11,708
POULTRY						
Layers inventory (see text) ....farms	3,512	3,144	3,032	368	327	954
number	184,281,929	130,634,853	119,581,444	53,647,076	29,766,488	1,020,845
Farms with-						
1 to 399	2,912	2,631	2,585	281	268	907
400 to 3,199	61	46	38	15	14	22
3,200 to 9,999	36	35	20	1	1	4
10,000 to 19,999	91	88	72	3	3	5
20,000 to 49,999	143	129	120	14	10	10
50,000 to 99,999	64	55	55	9	5	2
100,000 or more	205	160	142	45	26	4
Pullets for laying flock replacement inventory ....farms	691	605	550	86	68	157
number	40,983,271	30,793,295	28,515,180	10,189,976	5,586,399	426,611
Layers sold ....farms	879	772	735	107	79	154
number	87,974,681	66,578,388	61,245,463	21,396,293	7,498,273	499,276
Pullets for laying flock replacement sold (see text) ....farms	218	195	189	23	12	28
number	49,862,171	41,214,234	39,756,156	8,647,937	4,580,499	808,689

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
POULTRY - Con.				
Broilers and other meat-type chickens sold ... farms	27,091	23,609	1,661	998
number	8,914,828,122	6,862,986,935	737,718,131	483,078,570
Farms with-				
1 to 1,999	9,743	8,941	456	252
2,000 to 59,999	618	510	36	21
60,000 to 99,999	623	564	34	20
100,000 or more	16,107	13,594	1,135	705
Turkeys inventory (see text) ... farms	17,226	15,173	978	460
number	107,173,804	55,326,479	12,124,996	9,652,019
Turkeys sold (see text) ... farms	8,284	6,876	576	375
number	295,793,159	163,447,991	31,578,723	25,251,297
CROPS HARVESTED				
Barley for grain ... farms	19,848	14,766	2,812	1,785
acres	3,521,957	2,183,881	663,628	462,584
bushels	207,089,232	124,534,268	42,542,188	30,695,877
Irrigated ... farms	4,241	2,697	728	544
acres	741,475	354,104	173,654	147,130
Farms by acres harvested:				
1 to 24 acres	5,742	4,911	565	335
25 to 99 acres	5,405	3,962	822	519
100 to 249 acres	4,469	3,170	668	439
250 to 499 acres	2,552	1,763	389	235
500 acres or more	1,680	960	368	257
Corn for grain ... farms	347,760	284,137	38,088	20,878
acres	86,248,542	58,016,810	16,409,113	11,028,938
bushels	12,738,519,330	8,460,061,378	2,462,857,575	1,670,730,149
Irrigated ... farms	38,911	27,019	6,243	4,384
acres	13,156,769	7,542,219	3,358,722	2,614,980
Farms by acres harvested:				
1 to 24 acres	68,008	61,623	4,646	1,860
25 to 99 acres	101,672	87,820	9,549	4,514
100 to 249 acres	78,166	64,225	8,467	4,669
250 to 499 acres	50,807	39,409	5,896	3,467
500 acres or more	49,107	31,060	9,530	6,368
Corn for silage or greenchop ... farms	84,317	65,210	12,362	7,937
acres	5,979,661	3,446,917	1,539,688	1,222,405
tons	104,224,795	56,346,652	28,812,047	23,643,423
Irrigated ... farms	9,664	5,802	2,110	1,680
acres	1,497,288	658,609	491,717	431,773
Farms by acres harvested:				
1 to 24 acres	34,207	30,024	2,937	1,438
25 to 99 acres	34,878	26,927	5,222	3,241
100 to 249 acres	10,855	6,405	2,733	1,996
250 to 499 acres	2,859	1,324	876	727
500 acres or more	1,518	530	594	535
Cotton, all ... farms	18,605	12,603	4,105	3,079
acres	10,493,238	5,739,374	3,526,083	2,870,158
bales	18,898,128	9,752,130	6,718,429	5,570,970
Irrigated ... farms	8,776	5,297	2,354	1,880
acres	4,035,610	1,875,682	1,560,653	1,328,257
Farms by acres harvested:				
1 to 24 acres	961	787	108	58
25 to 99 acres	3,043	2,502	332	193
100 to 249 acres	3,886	2,858	632	436
250 to 499 acres	3,738	2,536	769	569
500 acres or more	6,977	3,920	2,264	1,823
Dry edible beans, excluding limas ... farms	6,236	4,408	890	636
acres	1,455,549	855,943	354,478	262,386
cwt	25,353,900	14,322,921	6,455,631	4,868,106
Irrigated ... farms	2,456	1,602	358	287
acres	353,503	173,389	88,330	73,850
Farms by acres harvested:				
1 to 24 acres	818	689	41	29
25 to 99 acres	1,709	1,337	161	115
100 to 249 acres	1,856	1,300	250	169
250 to 499 acres	1,066	680	192	137
500 acres or more	787	402	246	186
Oats for grain ... farms	42,558	35,810	4,787	2,551
acres	1,509,149	1,154,611	231,544	135,207
bushels	89,508,669	67,150,587	14,310,243	8,561,455
Irrigated ... farms	1,620	1,157	248	174
acres	78,214	47,244	16,631	13,788
Farms by acres harvested:				
1 to 24 acres	27,044	23,728	2,440	1,168
25 to 99 acres	12,167	9,682	1,729	1,023
100 to 249 acres	2,643	1,924	482	284
250 to 499 acres	552	386	104	53
500 acres or more	152	90	32	23
Peanuts for nuts ... farms	6,182	4,633	986	594
acres	1,200,564	755,647	311,253	217,263
pounds	3,703,138,887	2,276,117,420	990,720,819	704,025,180
Irrigated ... farms	2,381	1,652	429	275
acres	418,789	248,719	115,359	88,292

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
POULTRY - Con.						
Broilers and other meat-type chickens sold ....farms	1,660	1,534	1,457	126	113	161
....number	1,289,776,744	1,142,905,809	891,892,523	146,870,935	69,152,508	24,346,312
Farms with-						
1 to 1,999	245	223	193	22	21	101
2,000 to 59,999	60	59	36	1	1	12
60,000 to 99,999	24	23	21	1	1	1
100,000 or more	1,331	1,229	1,207	102	90	47
Turkeys inventory (see text) ....farms	905	834	777	71	48	170
....number	38,900,660	33,436,114	28,361,923	5,464,546	1,485,044	821,669
Turkeys sold (see text) ....farms	749	688	627	61	40	83
....number	98,829,600	86,637,729	76,546,640	12,191,871	4,490,227	1,936,845
CROPS HARVESTED						
Barley for grain ....farms	2,127	2,061	1,964	66	57	143
....acres	656,499	638,929	530,467	17,570	15,740	17,949
....bushels	38,734,951	37,198,922	33,201,486	1,536,029	1,361,630	1,277,825
Irrigated ....farms	747	707	668	40	33	69
....acres	204,496	193,328	178,816	11,168	9,462	9,221
Farms by acres harvested:						
1 to 24 acres	213	197	191	16	15	53
25 to 99 acres	574	562	551	12	9	47
100 to 249 acres	605	591	575	14	11	26
250 to 499 acres	392	379	367	13	13	8
500 acres or more	343	332	280	11	9	9
Corn for grain ....farms	22,743	21,631	21,288	1,112	1,038	2,792
....acres	11,242,090	10,755,851	10,558,007	486,239	437,426	580,529
....bushels	1,733,635,380	1,658,610,949	1,627,895,247	75,024,431	67,205,421	81,964,997
Irrigated ....farms	5,243	4,956	4,865	287	257	406
....acres	2,137,158	2,014,494	1,967,470	122,664	109,956	118,670
Farms by acres harvested:						
1 to 24 acres	1,145	1,033	1,009	112	99	594
25 to 99 acres	3,270	2,971	2,929	299	278	1,033
100 to 249 acres	4,850	4,621	4,548	229	216	624
250 to 499 acres	5,188	5,024	4,969	164	157	314
500 acres or more	8,290	7,982	7,833	308	288	227
Corn for silage or greenchop ....farms	6,268	6,006	5,881	262	232	477
....acres	940,565	881,840	847,361	58,725	47,037	52,491
....tons	18,060,375	16,786,117	16,150,038	1,274,258	1,012,438	1,005,721
Irrigated ....farms	1,615	1,521	1,467	94	81	137
....acres	322,522	286,148	268,980	36,374	28,037	24,440
Farms by acres harvested:						
1 to 24 acres	1,090	1,053	1,039	37	36	156
25 to 99 acres	2,558	2,471	2,426	87	78	171
100 to 249 acres	1,618	1,547	1,522	71	64	99
250 to 499 acres	628	588	567	40	34	31
500 acres or more	374	347	327	27	20	20
Cotton, all ....farms	1,702	1,555	1,534	147	137	195
....acres	1,140,599	950,901	921,321	189,698	85,895	87,182
....bales	2,246,324	1,787,868	1,729,123	458,456	166,946	181,245
Irrigated ....farms	999	916	902	83	75	126
....acres	551,158	421,342	409,848	129,816	(D)	48,117
Farms by acres harvested:						
1 to 24 acres	40	29	27	11	11	26
25 to 99 acres	160	142	142	18	16	49
100 to 249 acres	344	320	315	24	23	52
250 to 499 acres	406	381	380	25	25	27
500 acres or more	752	683	670	69	62	41
Dry edible beans, excluding limas ....farms	868	830	825	38	35	70
....acres	232,568	220,959	220,321	11,609	11,520	12,560
....cwt	4,323,210	4,105,863	4,090,978	217,347	215,635	252,138
Irrigated ....farms	441	414	411	27	25	55
....acres	80,936	74,371	74,062	6,565	(D)	10,848
Farms by acres harvested:						
1 to 24 acres	52	45	44	7	6	36
25 to 99 acres	197	188	187	9	7	14
100 to 249 acres	295	287	285	8	8	11
250 to 499 acres	190	184	183	6	6	4
500 acres or more	134	126	126	8	8	5
Oats for grain ....farms	1,713	1,639	1,606	74	67	248
....acres	114,887	110,303	107,798	4,584	3,440	8,107
....bushels	7,558,042	7,251,583	7,104,997	306,459	214,836	489,797
Irrigated ....farms	187	176	168	11	8	28
....acres	13,696	12,825	12,381	871	(D)	643
Farms by acres harvested:						
1 to 24 acres	718	681	668	37	36	158
25 to 99 acres	686	666	655	20	19	70
100 to 249 acres	219	207	200	12	9	18
250 to 499 acres	61	56	54	5	3	1
500 acres or more	29	29	29	-	-	1
Peanuts for nuts ....farms	525	485	480	40	40	38
....acres	131,638	120,307	119,405	11,331	11,331	2,026
....pounds	430,391,092	388,977,986	385,317,951	41,413,106	41,413,106	5,909,556
Irrigated ....farms	277	249	247	28	28	23
....acres	53,560	46,954	(D)	6,606	6,606	1,151

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
CROPS HARVESTED - Con.				
Peanuts for nuts - Con.				
Farms by acres harvested:				
1 to 24 acres	915	801	82	37
25 to 99 acres	1,909	1,571	184	84
100 to 249 acres	1,886	1,381	314	179
250 to 499 acres	920	588	213	152
500 acres or more	552	292	193	142
Rice ... farms	6,084	3,251	2,106	1,756
acres	2,758,792	1,089,437	1,398,978	1,214,141
cwt	198,538,690	76,937,581	101,691,251	88,479,269
Irrigated ... farms	6,084	3,251	2,106	1,756
acres	2,758,792	1,089,437	1,398,978	1,214,141
Farms by acres harvested:				
1 to 24 acres	132	84	34	16
25 to 99 acres	915	681	152	107
100 to 249 acres	1,459	934	298	224
250 to 499 acres	1,616	861	508	426
500 acres or more	1,962	691	1,114	983
Sorghum for grain ... farms	26,242	19,931	3,968	2,554
acres	6,769,834	4,272,465	1,675,866	1,281,213
bushels	482,452,865	296,457,920	125,720,896	97,341,144
Irrigated ... farms	4,483	2,919	964	721
acres	845,214	445,791	277,400	238,938
Farms by acres harvested:				
1 to 24 acres	2,609	2,193	245	117
25 to 99 acres	8,335	6,947	897	477
100 to 249 acres	7,302	5,626	1,076	692
250 to 499 acres	4,377	3,061	757	508
500 acres or more	3,619	2,104	993	760
Soybeans for beans ... farms	279,110	227,384	30,922	16,758
acres	63,915,821	44,017,833	12,044,808	7,950,962
bushels	2,582,423,697	1,769,878,670	476,030,575	313,947,599
Irrigated ... farms	20,333	13,823	3,708	2,708
acres	5,237,075	2,609,346	1,878,660	1,581,744
Farms by acres harvested:				
1 to 24 acres	38,458	34,252	2,933	1,234
25 to 99 acres	90,935	78,720	8,191	3,775
100 to 249 acres	70,698	58,676	7,006	3,707
250 to 499 acres	44,381	34,225	5,187	2,895
500 acres or more	34,638	21,511	7,605	5,147
Sugarbeets for sugar ... farms	4,022	2,498	741	563
acres	1,253,817	603,650	353,874	288,348
tons	31,937,325	15,195,498	9,112,703	7,510,778
Irrigated ... farms	1,595	921	312	245
acres	394,675	184,121	109,118	90,993
Sugarcane for sugar ... farms	692	312	128	96
acres	846,666	158,046	122,757	91,046
tons	31,127,405	5,479,489	4,192,146	3,058,308
Irrigated ... farms	219	95	47	42
acres	435,205	41,039	(D)	21,089
Sunflower seed, all ... farms	6,403	5,001	918	526
acres	2,000,153	1,394,852	448,079	283,846
pounds	2,820,962,445	1,953,947,904	645,932,795	409,162,564
Irrigated ... farms	608	395	108	92
acres	102,219	58,536	28,829	27,230
Farms by acres harvested:				
1 to 24 acres	502	400	57	31
25 to 99 acres	1,153	973	100	56
100 to 249 acres	2,110	1,709	253	136
250 to 499 acres	1,494	1,143	233	131
500 acres or more	1,144	776	275	172
Tobacco ... farms	16,234	13,751	1,960	763
acres	359,846	250,676	69,006	37,008
pounds	778,301,825	531,930,612	153,309,449	81,553,403
Irrigated ... farms	2,572	2,012	371	159
acres	71,578	46,884	14,020	6,915
Farms by acres harvested:				
0.1 to 0.9 acres	235	209	20	6
1.0 to 1.9 acres	1,493	1,333	145	45
2.0 to 2.9 acres	1,827	1,654	152	46
3.0 to 4.9 acres	2,772	2,492	253	72
5.0 to 9.9 acres	3,459	3,000	391	140
10.0 to 24.9 acres	3,129	2,642	411	158
25.0 acres or more	3,319	2,421	588	296
Wheat for grain, all ... farms	160,810	124,773	21,369	12,938
acres	50,932,969	32,803,063	10,600,757	7,301,591
bushels	1,993,648,378	1,213,886,508	451,941,584	327,642,988
Irrigated ... farms	15,213	9,839	2,735	2,125
acres	3,364,079	1,697,112	948,229	802,793
Farms by acres harvested:				
1 to 24 acres	26,703	23,157	2,389	1,134
25 to 99 acres	49,409	40,457	5,557	3,049
100 to 249 acres	34,703	26,928	4,605	2,824
250 to 499 acres	21,167	15,684	3,135	2,016
500 acres or more	28,828	18,547	5,683	3,915

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
CROPS HARVESTED - Con.						
Peanuts for nuts - Con.						
Farms by acres harvested:						
1 to 24 acres	19	16	16	3	3	13
25 to 99 acres	136	132	129	4	4	18
100 to 249 acres	184	173	172	11	11	7
250 to 499 acres	119	104	104	15	15	-
500 acres or more	67	60	59	7	7	-
Rice ... farms	668	597	579	71	68	59
acres	254,552	229,364	215,168	25,188	24,786	15,825
cwt	18,781,464	16,953,843	15,993,279	1,827,621	1,803,084	1,128,394
Irrigated ... farms	668	597	579	71	68	59
acres	254,552	229,364	215,168	25,188	24,786	15,825
Farms by acres harvested:						
1 to 24 acres	4	4	4	-	-	10
25 to 99 acres	70	59	55	11	9	12
100 to 249 acres	208	183	182	25	25	19
250 to 499 acres	237	212	208	25	24	10
500 acres or more	149	139	130	10	10	8
Sorghum for grain ... farms	2,027	1,920	1,890	107	97	316
acres	749,340	711,625	688,134	37,715	33,369	72,163
bushels	55,812,918	53,125,954	51,152,001	2,686,964	2,460,417	4,461,131
Irrigated ... farms	516	486	478	30	29	84
acres	111,324	104,233	101,447	7,091	(D)	10,699
Farms by acres harvested:						
1 to 24 acres	113	104	101	9	9	58
25 to 99 acres	382	359	355	23	20	109
100 to 249 acres	530	506	498	24	22	70
250 to 499 acres	519	496	488	23	20	40
500 acres or more	483	455	448	28	26	39
Soybeans for beans ... farms	18,558	17,760	17,483	798	745	2,246
acres	7,505,979	7,221,920	7,097,365	284,059	262,800	347,201
bushels	322,524,943	310,906,288	305,530,603	11,618,655	10,641,225	13,989,509
Irrigated ... farms	2,620	2,502	2,462	118	102	182
acres	726,175	696,024	681,875	30,151	28,931	22,894
Farms by acres harvested:						
1 to 24 acres	819	724	717	95	89	454
25 to 99 acres	3,074	2,870	2,815	204	186	950
100 to 249 acres	4,524	4,356	4,280	168	158	492
250 to 499 acres	4,743	4,599	4,544	144	135	226
500 acres or more	5,398	5,211	5,127	187	177	124
Sugarbeets for sugar ... farms	753	722	714	31	30	30
acres	290,507	271,341	269,671	19,166	(D)	5,786
tons	7,460,904	6,948,936	6,903,474	511,968	(D)	168,220
Irrigated ... farms	341	321	314	20	19	21
acres	98,078	89,519	88,299	8,559	(D)	3,358
Sugarcane for sugar ... farms	243	221	197	22	16	9
acres	560,916	414,162	319,956	146,754	16,323	4,947
tons	21,280,215	15,789,684	11,327,078	5,490,531	537,784	175,555
Irrigated ... farms	72	66	55	6	2	5
acres	366,132	235,215	165,633	130,917	(D)	(D)
Sunflower seed, all ... farms	446	428	427	18	16	38
acres	153,398	151,263	(D)	2,135	(D)	3,824
pounds	216,372,704	214,120,078	(D)	2,252,626	(D)	4,709,042
Irrigated ... farms	92	85	85	7	6	13
acres	14,604	13,387	13,387	1,217	(D)	250
Farms by acres harvested:						
1 to 24 acres	27	24	24	3	3	18
25 to 99 acres	70	63	63	7	6	10
100 to 249 acres	143	136	136	7	6	5
250 to 499 acres	115	115	115	-	-	3
500 acres or more	91	90	89	1	1	2
Tobacco ... farms	470	440	435	30	30	53
acres	39,447	36,474	35,994	2,974	2,974	717
pounds	91,687,086	84,237,497	83,439,963	7,449,589	7,449,589	1,374,678
Irrigated ... farms	169	155	155	14	14	20
acres	10,395	9,701	9,701	694	694	280
Farms by acres harvested:						
0.1 to 0.9 acres	3	3	3	-	-	3
1.0 to 1.9 acres	5	4	4	1	1	10
2.0 to 2.9 acres	15	13	13	2	2	6
3.0 to 4.9 acres	25	23	22	2	2	2
5.0 to 9.9 acres	56	55	55	1	1	12
10.0 to 24.9 acres	64	61	59	3	3	12
25.0 acres or more	302	281	279	21	21	8
Wheat for grain, all ... farms	13,175	12,637	12,371	538	494	1,493
acres	7,131,098	6,899,790	6,567,485	231,308	201,375	398,051
bushels	311,146,391	297,482,891	285,107,406	13,663,500	10,577,172	16,673,895
Irrigated ... farms	2,427	2,291	2,225	136	117	212
acres	670,549	604,306	579,525	66,243	44,053	48,189
Farms by acres harvested:						
1 to 24 acres	860	807	800	53	49	297
25 to 99 acres	2,895	2,751	2,706	144	134	500
100 to 249 acres	2,850	2,727	2,672	123	110	320
250 to 499 acres	2,161	2,086	2,054	75	69	187
500 acres or more	4,409	4,266	4,139	143	132	189

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
CROPS HARVESTED - Con.				
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	869,534	764,283	69,473	34,883
acres	61,455,483	46,233,073	8,858,433	5,745,956
tons, dry	155,393,762	108,513,045	26,986,527	19,095,924
Irrigated ..... farms	86,007	67,336	9,985	6,976
acres	10,264,753	5,636,730	2,256,778	1,851,040
Farms by acres harvested:				
1 to 24 acres	367,533	339,111	19,529	7,972
25 to 99 acres	345,273	305,867	27,087	12,642
100 to 249 acres	111,368	89,215	14,208	8,248
250 to 499 acres	30,370	21,357	5,301	3,535
500 acres or more	14,990	8,733	3,348	2,486
Alfalfa hay ..... farms	290,726	246,705	27,547	15,166
acres	20,244,497	14,249,338	3,348,352	2,294,681
tons, dry	65,349,074	42,220,820	12,833,858	9,510,095
Irrigated ..... farms	56,390	43,780	6,736	4,753
acres	6,556,652	3,664,894	1,459,986	1,200,235
Other tame hay ..... farms	496,740	442,278	37,367	17,403
acres	26,763,972	21,688,830	3,161,714	1,804,053
tons, dry	54,347,673	43,107,871	6,830,385	4,050,767
Irrigated ..... farms	24,348	19,252	2,597	1,795
acres	1,699,864	984,583	311,310	245,269
Field and grass seed crops, all ..... farms	6,038	4,532	701	450
acres	1,178,726	574,121	220,431	176,174
Irrigated ..... farms	1,457	848	211	172
acres	323,441	129,632	70,563	59,345
Land in vegetables (see text) ..... farms	69,172	57,146	6,253	3,892
acres	4,356,880	1,531,095	1,150,714	999,940
Irrigated ..... farms	29,885	22,992	3,143	2,235
acres	3,068,485	867,639	871,726	792,225
Farms by acres harvested:				
0.1 to 4.9 acres	41,453	37,390	2,396	1,147
5.0 to 24.9 acres	13,869	11,714	1,171	687
25.0 to 99.9 acres	6,671	4,814	946	659
100.0 to 249.9 acres	3,473	1,950	708	522
250.0 acres or more	3,706	1,278	1,032	877
Snap beans ..... farms	17,300	14,567	1,417	788
acres	303,997	129,721	58,502	44,718
Harvested for processing ..... farms	1,999	1,411	262	177
acres	198,101	80,744	38,844	30,301
Peas, green ..... farms	4,532	3,457	542	385
acres	214,057	103,180	48,888	39,149
Harvested for processing ..... farms	2,047	1,367	354	260
acres	206,092	98,890	47,573	38,219
Potatoes ..... farms	15,014	12,035	1,448	918
acres	1,131,963	316,555	365,291	324,144
Harvested for processing ..... farms	1,739	1,002	331	267
acres	599,604	152,800	207,861	182,223
Farms by acres harvested:				
0.1 to 4.9 acres	12,013	10,543	788	393
5.0 to 24.9 acres	612	451	72	46
25.0 to 99.9 acres	539	337	97	68
100.0 to 249.9 acres	714	357	143	114
250.0 acres or more	1,136	347	348	297
Sweet corn ..... farms	28,241	24,261	2,144	1,239
acres	622,946	307,366	111,127	88,532
Harvested for processing ..... farms	3,670	2,806	385	253
acres	361,886	176,299	57,360	46,038
Sweet potatoes ..... farms	1,910	1,567	179	120
acres	105,284	39,281	34,346	26,920
Harvested for processing ..... farms	259	175	50	40
acres	21,360	9,691	6,617	5,810
Tomatoes in the open ..... farms	25,809	21,928	2,047	1,228
acres	442,225	128,059	144,818	134,786
Harvested for processing ..... farms	1,761	1,274	252	205
acres	319,549	86,065	113,050	104,963
Land in orchards ..... farms	115,935	94,378	10,981	7,630
acres	5,039,476	2,034,454	1,283,380	1,155,374
Irrigated ..... farms	61,189	47,022	7,062	5,330
acres	3,981,316	1,368,310	1,130,913	1,039,806
Farms by bearing and nonbearing acres:				
0.1 to 4.9 acres	52,775	47,942	2,617	1,393
5.0 to 24.9 acres	37,043	30,858	3,242	2,078
25.0 to 99.9 acres	17,119	11,679	2,789	2,138
100.0 to 249.9 acres	5,434	2,782	1,261	1,055
250.0 acres or more	3,564	1,117	1,072	966
Apples ..... farms	25,591	21,423	1,904	1,351
bearing and nonbearing acres	398,770	170,433	84,442	78,957
Grapes ..... farms	25,892	19,436	3,104	2,387
bearing and nonbearing acres	1,051,407	391,833	262,329	238,169
Peaches, all ..... farms	13,582	11,232	1,131	753
bearing and nonbearing acres	149,237	65,934	36,811	29,362

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
CROPS HARVESTED - Con.						
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ....farms	29,634	27,633	27,051	2,001	1,866	6,144
acres	5,690,715	5,301,891	5,065,533	388,824	311,294	673,262
tons, dry	17,915,883	16,429,544	15,648,422	1,486,339	1,157,640	1,978,307
Irrigated ....farms	7,550	7,046	6,810	504	440	1,136
acres	2,147,787	1,930,613	1,785,423	217,174	154,835	223,458
Farms by acres harvested:						
1 to 24 acres	6,725	6,092	6,019	633	609	2,168
25 to 99 acres	9,913	9,222	9,055	691	659	2,406
100 to 249 acres	6,948	6,598	6,470	350	323	997
250 to 499 acres	3,356	3,191	3,107	165	139	356
500 acres or more	2,692	2,530	2,400	162	136	217
Alfalfa hay ....farms	14,339	13,601	13,283	738	668	2,135
acres	2,412,193	2,225,746	2,119,952	186,447	139,318	234,614
tons, dry	9,304,623	8,417,637	7,985,782	886,986	656,853	989,773
Irrigated ....farms	5,132	4,835	4,672	297	256	742
acres	1,286,828	1,144,174	1,069,916	142,654	98,417	144,944
Other tame hay ....farms	13,751	12,710	12,474	1,041	986	3,344
acres	1,638,223	1,528,307	1,482,677	109,916	97,691	275,205
tons, dry	3,828,017	3,564,707	3,461,807	263,310	233,878	581,400
Irrigated ....farms	2,148	1,987	1,930	161	147	351
acres	373,208	346,406	326,059	26,802	23,792	30,763
Field and grass seed crops, all ....farms	744	708	691	36	34	61
acres	375,397	359,070	349,742	16,327	(D)	8,777
Irrigated ....farms	374	359	350	15	14	24
acres	119,998	112,019	104,756	7,979	(D)	3,248
Land in vegetables (see text) ....farms	4,973	4,464	4,344	509	459	800
acres	1,621,855	1,357,889	1,273,025	263,967	177,170	53,216
Irrigated ....farms	3,244	2,884	2,789	360	322	506
acres	1,285,454	1,050,478	973,169	234,976	150,954	43,666
Farms by acres harvested:						
0.1 to 4.9 acres	1,236	1,086	1,063	150	137	431
5.0 to 24.9 acres	775	684	643	91	86	209
25.0 to 99.9 acres	823	764	754	59	56	88
100.0 to 249.9 acres	782	717	710	65	55	33
250.0 acres or more	1,357	1,213	1,174	144	125	39
Snap beans ....farms	1,096	991	961	105	99	220
acres	112,868	105,296	103,034	7,572	5,001	2,906
Harvested for processing ....farms	300	278	270	22	21	26
acres	76,013	72,545	70,321	3,468	(D)	2,499
Peas, green ....farms	493	466	442	27	22	40
acres	60,748	56,444	53,978	4,304	(D)	1,241
Harvested for processing ....farms	315	297	292	18	15	11
acres	58,525	54,255	51,803	4,270	(D)	1,104
Potatoes ....farms	1,274	1,150	1,089	124	115	257
acres	436,261	372,611	349,115	63,650	(D)	13,856
Harvested for processing ....farms	379	340	326	39	35	27
acres	230,074	192,102	178,184	37,972	(D)	8,869
Farms by acres harvested:						
0.1 to 4.9 acres	490	431	399	59	57	192
5.0 to 24.9 acres	59	51	44	8	8	30
25.0 to 99.9 acres	86	80	79	6	5	19
100.0 to 249.9 acres	204	190	186	14	12	10
250.0 acres or more	435	398	381	37	33	6
Sweet corn ....farms	1,554	1,421	1,369	133	120	282
acres	197,169	165,663	155,694	31,506	13,556	7,284
Harvested for processing ....farms	446	413	406	33	27	33
acres	123,415	100,141	91,916	23,274	6,182	4,812
Sweet potatoes ....farms	134	111	109	23	20	30
acres	31,405	26,296	(D)	5,109	(D)	253
Harvested for processing ....farms	30	25	25	5	5	4
acres	5,008	4,513	4,513	495	495	44
Tomatoes in the open ....farms	1,477	1,307	1,261	170	162	357
acres	160,267	110,603	107,846	49,664	23,845	9,080
Harvested for processing ....farms	210	184	182	26	22	25
acres	112,446	75,486	(D)	36,960	11,295	7,988
Land in orchards ....farms	8,564	7,448	7,201	1,116	964	2,012
acres	1,589,562	1,236,574	1,084,194	352,988	243,450	132,081
Irrigated ....farms	5,714	4,895	4,712	819	691	1,391
acres	1,368,604	1,061,204	916,996	307,399	222,556	113,489
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	1,604	1,420	1,394	184	169	612
5.0 to 24.9 acres	2,289	2,008	1,967	281	253	654
25.0 to 99.9 acres	2,154	1,907	1,861	247	222	497
100.0 to 249.9 acres	1,214	1,055	1,026	159	136	177
250.0 acres or more	1,303	1,058	953	245	184	72
Apples ....farms	1,897	1,666	1,638	231	212	367
bearing and nonbearing acres	138,620	113,977	109,581	24,643	21,593	5,275
Grapes ....farms	2,911	2,514	2,420	397	314	441
bearing and nonbearing acres	376,582	300,511	256,268	76,071	51,218	20,663
Peaches, all ....farms	1,008	911	896	97	90	211
bearing and nonbearing acres	41,725	39,795	38,019	1,930	1,506	4,767

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Family or individual	Partnership	
			Total	Registered under state law
CROPS HARVESTED - Con.				
Land in orchards - Con.				
Citrus fruit, all ..... farms	15,658	12,023	1,670	1,214
bearing and nonbearing acres	1,005,806	289,145	219,086	200,728
Almonds ..... farms	6,700	4,857	1,111	878
bearing and nonbearing acres	790,245	283,261	302,735	282,190
Pecans ..... farms	21,856	19,404	1,538	797
bearing and nonbearing acres	581,809	376,703	101,851	80,008
Walnuts, English ..... farms	7,161	5,839	780	526
bearing and nonbearing acres	267,751	126,744	66,942	56,309
Land in berries (see text) ..... farms	25,017	20,744	1,910	1,226
acres	261,733	103,304	33,081	27,548

See footnote(s) at end of table.

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Table 61. **Summary by Type of Organization: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Corporation					Other-cooperative, estate or trust, institutional, etc.
	Total	Family held		Other than family held		
		Total	10 or less stockholders	Total	10 or less stockholders	
CROPS HARVESTED - Con.						
Land in orchards - Con.						
Citrus fruit, all ..... farms	1,392	1,180	1,123	212	187	573
bearing and nonbearing acres	454,902	336,627	259,504	118,275	69,128	42,674
Almonds ..... farms	590	515	491	75	66	142
bearing and nonbearing acres	186,445	144,877	(D)	41,568	35,343	17,803
Pecans ..... farms	689	623	610	66	61	225
bearing and nonbearing acres	90,692	73,359	69,601	17,333	11,753	12,563
Walnuts, English ..... farms	405	360	350	45	42	137
bearing and nonbearing acres	67,227	51,029	49,483	16,197	(D)	6,839
Land in berries (see text) ..... farms	2,023	1,808	1,768	215	199	340
acres	121,020	107,754	100,177	13,266	12,441	4,329

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 62. **Summary by North American Industry Classification System: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
FARMS AND LAND IN FARMS							
Farms ..... number	2,204,792	338,237	40,589	98,281	54,889	519,893	9,626
..... percent	100.0	15.3	1.8	4.5	2.5	23.6	0.4
Land in farms ..... acres	922,095,840	266,831,616	9,272,945	12,141,683	3,974,530	124,740,766	2,518,697
Average size of farm ..... acres	418	789	228	124	72	240	262
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS							
Total ..... farms	2,204,792	338,237	40,589	98,281	54,889	519,893	9,626
..... $1,000	305,204,413	78,611,401	15,066,929	18,410,394	16,991,828	19,311,866	1,186,138
Average per farm ..... dollars	138,428	232,415	371,207	187,324	309,567	37,146	123,222
Farms by economic class:							
Less than $1,000 (see text)	499,880	4,516	2,491	12,580	7,607	126,203	41
$1,000 to $2,499	270,712	8,948	4,121	6,959	4,223	108,982	223
$2,500 to $4,999	246,309	13,747	5,538	9,860	5,230	88,847	643
$5,000 to $9,999	254,834	21,771	6,549	11,980	6,171	74,619	1,261
$10,000 to $24,999	274,274	37,861	7,866	17,590	8,524	59,352	2,097
$25,000 to $49,999	163,500	42,383	4,150	11,965	5,696	23,718	1,690
$50,000 to $99,999	129,124	49,444	2,671	8,991	4,425	12,709	1,368
$100,000 to $249,999	149,049	67,885	2,080	8,161	5,465	10,402	1,132
$250,000 to $499,999	96,251	48,253	1,286	4,262	2,628	6,429	624
$500,000 to $999,999	63,567	29,181	1,183	2,730	2,001	4,939	386
$1,000,000 or more	57,292	14,248	2,654	3,203	2,919	3,693	161
$1,000,000 to $2,499,999	41,863	12,662	1,370	2,032	1,646	2,965	132
$2,500,000 to $4,999,999	9,845	1,431	654	667	654	549	23
$5,000,000 or more	5,584	155	630	504	619	179	6
Total sales ..... farms	2,204,792	338,237	40,589	98,281	54,889	519,893	9,626
..... $1,000	297,220,491	74,559,692	14,975,322	18,351,629	16,967,123	17,067,639	1,147,173
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	337,428	6,344	1,689	1,086	33,985	2,690
..... $1,000	77,215,262	67,324,582	812,406	96,454	33,870	2,514,148	120,150
Sales of $50,000 or more ..... farms	235,343	195,781	2,145	358	158	10,156	644
..... $1,000	73,535,966	64,793,270	775,582	84,778	26,389	2,243,890	97,377
Corn ..... farms	347,540	251,992	3,590	957	632	20,119	1,840
..... $1,000	39,909,600	35,088,262	272,841	45,646	16,924	1,023,879	53,477
Sales of $50,000 or more ..... farms	151,428	129,703	951	179	85	4,628	332
..... $1,000	36,859,125	32,822,726	251,728	38,764	12,843	862,327	37,800
Wheat ..... farms	159,527	114,737	2,066	403	230	12,088	911
..... $1,000	10,623,640	8,730,213	305,418	17,061	5,124	641,131	18,727
Sales of $50,000 or more ..... farms	47,250	38,423	933	88	25	3,254	100
..... $1,000	8,944,760	7,513,471	288,752	13,394	3,064	519,787	9,148
Soybeans ..... farms	285,089	231,765	1,714	339	432	9,965	1,554
..... $1,000	20,283,986	18,039,429	71,919	5,492	9,123	389,660	46,844
Sales of $50,000 or more ..... farms	109,269	96,552	372	25	46	2,088	271
..... $1,000	17,191,360	15,539,313	56,582	2,683	4,844	287,012	29,003
Sorghum ..... farms	27,142	19,836	245	43	27	3,228	25
..... $1,000	1,651,798	1,328,441	17,559	633	971	199,477	79
Sales of $50,000 or more ..... farms	8,972	7,326	81	2	4	1,032	-
..... $1,000	1,348,798	1,097,659	15,749	(D)	(D)	165,997	-
Barley ..... farms	18,326	9,892	563	51	21	2,180	30
..... $1,000	701,047	487,060	63,453	820	(D)	86,122	93
Sales of $50,000 or more ..... farms	3,973	3,020	230	7	1	467	-
..... $1,000	526,415	367,644	59,107	(D)	(D)	67,164	-
Rice ..... farms	6,085	5,723	25	65	6	185	-
..... $1,000	2,020,231	1,942,896	6,224	16,593	(D)	42,650	-
Sales of $50,000 or more ..... farms	5,184	4,918	20	58	3	132	-
..... $1,000	1,995,322	1,920,628	6,138	16,384	(D)	41,032	-
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	30,413	1,646	350	166	6,477	223
..... $1,000	2,024,959	1,708,283	74,991	10,210	544	131,228	930
Sales of $50,000 or more ..... farms	10,062	8,767	283	41	-	597	3
..... $1,000	1,698,514	1,481,919	65,979	8,529	-	98,450	270
Tobacco ..... farms	16,228	1,038	146	16	56	10,999	9,625
..... $1,000	1,268,114	69,053	21,716	608	2,842	1,020,679	879,747
Sales of $50,000 or more ..... farms	4,495	333	59	3	7	3,546	3,056
..... $1,000	1,076,035	57,181	20,764	499	2,215	896,316	768,827
Cotton and cottonseed ..... farms	18,591	3,920	450	128	20	13,283	242
..... $1,000	4,898,608	662,515	165,066	30,507	2,747	3,946,511	27,153
Sales of $50,000 or more ..... farms	13,232	2,629	347	98	9	9,775	149
..... $1,000	4,784,510	632,294	162,843	29,985	2,531	3,873,007	25,157
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	5,422	40,340	4,445	3,397	7,564	430
..... $1,000	14,683,058	358,337	12,942,258	280,611	94,385	863,765	24,317
Sales of $50,000 or more ..... farms	13,824	1,561	9,130	465	285	1,829	82
..... $1,000	14,167,307	305,772	12,617,714	253,648	72,854	817,622	21,148
Fruits, tree nuts, and berries ..... farms	112,690	1,431	6,427	89,344	2,559	5,281	111
..... $1,000	18,625,459	49,816	412,701	17,636,640	64,020	312,225	1,516
Sales of $50,000 or more ..... farms	28,824	210	601	26,710	182	702	4
..... $1,000	17,681,378	38,510	383,028	16,817,280	49,775	281,477	350
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	583	3,106	1,596	41,147	2,343	224
..... $1,000	16,632,734	17,770	101,841	49,936	16,340,977	89,573	5,244
Sales of $50,000 or more ..... farms	17,039	78	320	141	16,107	255	16
..... $1,000	16,227,627	12,435	80,562	40,705	16,006,377	68,704	2,292
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	201	256	426	11,045	773	17
..... $1,000	384,594	1,342	1,513	2,885	367,010	8,065	(D)
Sales of $50,000 or more ..... farms	1,088	6	8	9	1,032	19	-
..... $1,000	306,465	455	753	1,443	295,838	5,810	-

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
FARMS AND LAND IN FARMS									
Farms ..... number	9,968	500,299	656,475	31,065	57,318	30,546	64,570	67,254	245,675
percent	0.5	22.7	29.8	1.4	2.6	1.4	2.9	3.1	11.1
Land in farms ..... acres	13,081,671	109,140,398	376,170,540	15,820,229	21,270,780	6,949,176	7,040,000	11,963,667	65,919,908
Average size of farm ..... acres	1,312	218	573	509	371	227	109	178	268
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS									
Total ..... farms	9,968	500,299	656,475	31,065	57,318	30,546	64,570	67,254	245,675
$1,000	4,895,296	13,230,432	28,357,814	30,351,991	35,065,603	18,235,927	37,857,217	579,867	6,363,576
Average per farm ..... dollars	491,101	26,445	43,197	977,048	611,773	596,999	586,297	8,622	25,902
Farms by economic class:									
Less than $1,000 (see text)	17	126,145	129,216	809	103	6,826	24,903	34,244	150,382
$1,000 to $2,499	64	108,695	78,923	4,159	69	3,709	8,048	14,795	27,776
$2,500 to $4,999	165	88,039	84,650	4,104	1,643	2,255	2,855	7,685	19,895
$5,000 to $9,999	289	73,069	102,784	4,427	1,792	1,681	1,542	4,711	16,807
$10,000 to $24,999	677	56,578	116,418	4,576	2,481	1,435	1,047	3,285	13,839
$25,000 to $49,999	715	21,313	60,799	2,545	3,204	887	545	1,150	6,458
$50,000 to $99,999	930	10,411	36,825	2,243	5,879	1,092	522	601	3,722
$100,000 to $249,999	1,888	7,382	26,514	2,344	18,547	2,073	1,942	467	3,169
$250,000 to $499,999	2,055	3,750	11,366	1,585	12,034	2,340	4,422	170	1,476
$500,000 to $999,999	1,924	2,629	5,253	1,315	5,533	3,144	7,151	92	1,045
$1,000,000 or more	1,244	2,288	3,727	2,958	6,033	5,104	11,593	54	1,106
$1,000,000 to $2,499,999	1,088	1,745	2,847	1,642	3,412	3,669	8,861	37	720
$2,500,000 to $4,999,999	133	393	632	551	1,419	1,020	1,998	7	263
$5,000,000 or more	23	150	248	765	1,202	415	734	10	123
Total sales ..... farms	9,968	500,299	656,475	31,065	57,318	30,546	64,570	67,254	245,675
$1,000	4,357,082	11,563,384	27,535,096	30,249,303	34,754,031	18,127,114	37,797,542	554,107	6,281,894
Grains, oilseeds, dry beans, and dry peas ..... farms	5,017	26,278	46,653	9,979	22,967	9,366	4,279	1,008	4,683
$1,000	649,795	1,744,202	1,929,597	1,196,656	949,511	1,529,221	348,098	10,289	470,431
Sales of $50,000 or more ..... farms	2,693	6,819	8,965	4,133	5,057	5,619	1,384	41	1,546
$1,000	606,800	1,539,714	1,541,708	1,123,633	714,295	1,470,021	314,257	5,730	442,413
Corn ..... farms	1,968	16,311	27,556	8,727	18,015	8,466	3,445	555	3,486
$1,000	251,810	718,593	769,013	750,919	545,526	935,126	205,172	4,824	251,471
Sales of $50,000 or more ..... farms	1,068	3,228	3,672	3,070	2,772	4,355	979	18	1,016
$1,000	234,482	590,045	566,041	682,496	353,473	863,154	176,284	2,366	226,921
Wheat ..... farms	2,031	9,146	17,286	1,969	6,308	1,854	1,172	204	1,210
$1,000	118,400	504,004	603,095	84,914	107,194	46,719	31,524	2,236	49,011
Sales of $50,000 or more ..... farms	673	2,481	3,181	419	372	208	164	10	173
$1,000	92,227	418,412	416,256	64,599	42,021	26,352	17,482	981	38,600
Soybeans ..... farms	1,664	6,747	14,349	5,204	9,379	6,959	2,418	201	2,364
$1,000	124,180	218,636	386,523	329,157	262,820	532,180	104,202	2,076	151,404
Sales of $50,000 or more ..... farms	649	1,168	2,049	1,968	1,380	3,353	586	9	841
$1,000	106,306	151,703	232,817	274,504	131,988	456,513	76,117	864	128,123
Sorghum ..... farms	1,661	1,542	2,780	282	248	176	107	19	151
$1,000	128,300	71,098	71,580	14,606	4,961	8,149	1,518	101	3,802
Sales of $50,000 or more ..... farms	688	344	358	80	25	35	8	-	21
$1,000	110,219	55,778	43,946	11,497	3,178	6,474	844	-	2,368
Barley ..... farms	36	2,114	2,443	471	1,963	187	261	66	228
$1,000	3,144	82,884	34,185	5,444	12,653	1,435	(D)	402	7,346
Sales of $50,000 or more ..... farms	24	443	154	13	41	6	3	1	30
$1,000	2,935	64,228	16,222	3,735	4,663	815	210	(D)	6,169
Rice ..... farms	114	71	57	-	6	-	2	-	16
$1,000	16,448	26,202	7,705	-	1,070	-	(D)	-	1,959
Sales of $50,000 or more ..... farms	77	55	36	-	4	-	1	-	12
$1,000	15,273	25,759	7,153	-	(D)	-	(D)	-	1,853
Other grains, oilseeds, dry beans, and dry peas ..... farms	230	6,024	7,486	1,515	4,766	705	451	254	999
$1,000	7,514	122,784	57,496	11,616	15,286	5,612	3,608	649	5,437
Sales of $50,000 or more ..... farms	49	545	220	55	38	27	13	2	19
$1,000	5,413	92,767	23,842	6,959	3,914	3,691	(D)	(D)	2,693
Tobacco ..... farms	42	1,332	2,266	53	1,156	119	249	5	125
$1,000	5,813	135,118	46,694	1,101	31,621	23,296	41,228	41	9,235
Sales of $50,000 or more ..... farms	26	464	194	3	84	80	154	-	32
$1,000	5,466	122,023	19,612	293	9,433	22,625	39,370	-	7,726
Cotton and cottonseed ..... farms	9,968	3,073	412	11	32	68	225	5	37
$1,000	3,334,177	585,181	42,657	839	4,862	8,747	29,172	626	4,361
Sales of $50,000 or more ..... farms	7,480	2,146	156	5	21	36	134	3	19
$1,000	3,283,523	564,327	38,703	(D)	4,581	8,224	26,904	(D)	4,083
Vegetables, melons, potatoes, and sweet potatoes ..... farms	207	6,927	3,248	265	1,315	438	894	408	1,364
$1,000	98,386	741,062	34,170	13,894	35,312	13,616	32,499	1,381	12,830
Sales of $50,000 or more ..... farms	126	1,621	113	32	150	70	148	1	40
$1,000	96,766	699,707	19,237	12,032	22,856	9,688	28,086	(D)	(D)
Fruits, tree nuts, and berries ..... farms	193	4,977	4,269	172	783	135	652	326	1,311
$1,000	15,677	295,032	58,805	2,999	58,093	2,439	17,880	1,622	8,218
Sales of $50,000 or more ..... farms	54	644	143	8	160	13	67	6	22
$1,000	13,709	267,418	34,476	2,313	54,096	1,745	14,223	1,115	3,341
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	12	2,107	733	53	354	70	279	80	440
$1,000	727	83,602	10,531	456	7,474	934	9,031	178	4,032
Sales of $50,000 or more ..... farms	3	236	41	-	37	1	44	-	15
$1,000	580	65,832	5,468	-	3,891	(D)	7,221	-	(D)
Cut Christmas trees and short-rotation woody crops ..... farms	1	755	263	36	53	33	66	40	182
$1,000	(D)	8,010	1,057	137	519	132	998	27	911
Sales of $50,000 or more ..... farms	-	19	3	1	1	1	5	-	3
$1,000	-	5,810	325	(D)	(D)	(D)	960	-	510

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.							
Total - Con.							
Total sales - Con.							
Other crops and hay (see text) ..... farms	434,502	61,541	6,091	4,816	2,717	250,499	2,070
$1,000	9,950,098	1,368,519	392,586	127,942	25,124	7,192,549	19,301
Sales of $50,000 or more ..... farms	27,831	5,256	903	323	74	18,430	76
$1,000	7,529,077	957,337	370,995	109,641	16,815	5,706,030	9,168
Cattle and calves ..... farms	798,290	78,777	3,445	3,872	1,542	44,425	3,308
$1,000	61,209,970	3,520,313	77,476	98,681	26,054	889,878	58,924
Sales of $50,000 or more ..... farms	119,983	18,791	245	255	93	3,679	243
$1,000	53,786,091	2,571,109	57,560	73,322	15,510	549,979	24,652
Milk and other dairy products from cows ..... farms	69,763	2,096	311	113	97	953	70
$1,000	31,848,029	210,067	26,096	3,471	2,043	56,617	(D)
Sales of $50,000 or more ..... farms	50,792	1,093	33	7	3	203	5
$1,000	31,558,210	193,818	24,545	2,752	(D)	49,446	(D)
Hogs and pigs ..... farms	74,789	9,885	1,169	608	331	4,427	146
$1,000	18,056,981	857,823	6,109	1,540	963	84,997	4,458
Sales of $50,000 or more ..... farms	19,956	3,706	11	8	4	200	13
$1,000	17,829,977	793,863	4,443	897	631	74,557	3,618
Sheep, goats, and their products ..... farms	121,171	7,008	2,313	1,822	840	6,848	145
$1,000	704,855	40,510	2,691	6,370	1,167	21,564	189
Sales of $50,000 or more ..... farms	1,825	121	7	4	2	53	-
$1,000	415,640	12,615	637	4,082	(D)	9,295	-
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	2,364	566	602	279	6,388	99
$1,000	2,061,862	10,756	1,265	2,314	861	15,593	362
Sales of $50,000 or more ..... farms	3,638	27	2	6	3	34	1
$1,000	1,559,047	2,772	(D)	461	202	3,670	(D)
Poultry and eggs ..... farms	148,911	6,097	4,730	3,664	1,876	10,251	249
$1,000	37,065,947	39,247	9,868	7,959	3,062	37,773	4,202
Sales of $50,000 or more ..... farms	26,267	93	15	11	5	55	7
$1,000	36,932,463	32,169	5,041	5,298	(D)	29,974	(D)
Aquaculture (see text) ..... farms	6,409	348	80	143	202	216	7
$1,000	1,415,271	20,359	900	497	911	4,797	227
Sales of $50,000 or more ..... farms	2,449	127	4	2	2	18	1
$1,000	1,376,454	17,667	750	(D)	(D)	4,134	(D)
Other animals and other animal products (see text) ..... farms	43,226	1,266	1,341	1,593	675	2,997	49
$1,000	1,199,649	8,684	830	5,215	1,086	8,908	(D)
Sales of $50,000 or more ..... farms	2,294	39	1	9	4	40	-
$1,000	1,066,659	5,203	(D)	3,441	(D)	5,078	-
Value of-							
Government payments ..... farms	838,391	297,895	7,204	6,729	3,735	272,614	4,275
$1,000	7,983,922	4,051,709	91,607	58,764	24,706	2,244,227	38,965
Landlord's share of total sales (see text) ..... farms	97,706	64,823	813	1,884	529	10,817	788
$1,000	6,429,386	5,034,129	97,119	120,915	21,325	621,233	14,102
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	136,817	7,052	17,961	17,161	3,834	11,551	260
$1,000	1,211,270	37,930	335,311	343,878	50,169	66,642	1,796
FARM PRODUCTION EXPENSES							
Total farm production expenses ..... farms	2,204,792	338,237	40,589	98,281	54,889	519,893	9,626
$1,000	241,113,666	53,115,329	10,895,085	14,172,329	12,474,104	16,251,560	902,317
Average per farm ..... dollars	109,359	157,036	268,425	144,202	227,261	31,259	93,737
Fertilizer, lime, and soil conditioners purchased ..... farms	1,148,218	322,963	35,884	87,966	43,270	161,291	9,501
$1,000	18,107,194	10,392,976	1,200,902	836,688	484,016	1,989,046	133,541
Farms with expenses of-							
$1 to $4,999	734,931	102,676	28,309	70,299	35,292	122,875	5,701
$5,000 to $24,999	249,546	111,274	3,241	12,394	5,226	23,202	2,516
$25,000 to $49,999	74,633	48,057	1,010	2,413	1,110	6,117	605
$50,000 or more	89,108	60,956	3,324	2,860	1,642	9,097	679
Chemicals purchased ..... farms	918,604	274,581	25,339	73,748	33,826	135,108	8,136
$1,000	10,074,914	5,002,307	1,044,913	1,201,599	297,155	1,389,171	81,967
Farms with expenses of-							
$1 to $4,999	666,084	122,143	18,906	52,624	28,638	112,106	5,995
$5,000 to $24,999	162,785	96,182	2,634	13,362	3,388	11,976	1,301
$25,000 to $49,999	46,594	31,591	911	3,421	750	4,180	425
$50,000 or more	43,141	24,665	2,888	4,341	1,050	6,846	415
Seeds, plants, vines, and trees ..... farms	775,893	288,907	33,681	39,674	36,872	99,200	7,449
$1,000	11,740,521	6,188,000	935,830	316,065	1,988,970	953,309	48,314
Farms with expenses of-							
$1 to $999	302,164	36,029	21,061	22,850	13,794	53,976	3,167
$1,000 to $4,999	192,154	74,102	6,007	9,892	8,797	23,471	2,556
$5,000 to $24,999	173,462	104,983	2,959	4,982	6,975	12,874	1,254
$25,000 to $49,999	56,320	40,084	973	941	2,493	4,015	273
$50,000 or more	51,793	33,709	2,681	1,009	4,813	4,864	199

See footnote(s) at end of table.

--continued

Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.									
Total - Con.									
Total sales - Con.									
Other crops and hay (see text) ....farms	2,070	246,359	72,389	5,146	7,332	3,645	6,673	2,709	10,944
$1,000	195,546	6,977,702	503,070	53,126	126,387	35,644	68,830	7,212	49,110
Sales of $50,000 or more ....farms	916	17,438	1,640	211	461	123	266	20	124
$1,000	176,389	5,520,472	191,418	30,590	76,833	16,282	32,944	2,507	17,686
Cattle and calves ....farms	1,476	39,641	548,361	31,065	51,686	5,314	11,490	3,277	15,036
$1,000	53,820	777,133	24,118,758	28,774,232	2,586,343	248,740	350,350	47,474	471,671
Sales of $50,000 or more ....farms	314	3,122	73,463	9,765	9,299	1,018	1,657	187	1,531
$1,000	35,848	489,480	19,157,334	28,559,557	1,950,502	199,958	220,049	32,207	399,003
Milk and other dairy products from cows ....farms	3	880	6,808	250	57,237	367	600	98	833
$1,000	(D)	55,040	457,404	17,557	30,872,020	33,991	104,707	743	63,315
Sales of $50,000 or more ....farms	1	197	1,885	72	46,822	130	349	3	192
$1,000	(D)	48,454	400,039	15,499	30,678,172	31,329	102,084	(D)	58,663
Hogs and pigs ....farms	60	4,221	12,054	1,933	2,882	30,104	2,494	1,717	7,185
$1,000	519	80,020	105,363	162,881	42,603	16,049,472	212,580	1,892	530,757
Sales of $50,000 or more ....farms	3	184	346	452	201	13,386	307	5	1,330
$1,000	286	70,653	79,620	156,506	32,792	15,968,157	209,683	455	508,373
Sheep, goats, and their products ....farms	124	6,579	22,471	1,424	2,109	2,217	5,660	57,406	11,053
$1,000	1,395	19,979	99,718	7,559	7,684	6,271	4,453	474,920	31,947
Sales of $50,000 or more ....farms	4	49	306	18	23	17	8	1,154	112
$1,000	666	8,629	45,493	4,921	3,691	2,264	(D)	318,066	13,784
Horses, ponies, mules, burros, and donkeys ....farms	49	6,240	19,750	789	1,623	568	1,451	1,627	78,310
$1,000	343	14,889	70,772	2,680	4,702	995	3,756	2,179	1,945,988
Sales of $50,000 or more ....farms	1	32	151	5	10	2	12	2	3,384
$1,000	(D)	(D)	16,848	517	862	(D)	1,034	(D)	1,532,075
Poultry and eggs ....farms	28	9,974	25,896	2,351	6,518	3,208	64,014	7,993	12,313
$1,000	143	33,428	37,750	4,940	23,923	167,062	36,564,693	3,564	166,107
Sales of $50,000 or more ....farms	1	47	69	4	84	212	25,530	1	188
$1,000	(D)	25,973	21,399	3,363	16,793	164,829	36,498,016	(D)	153,937
Aquaculture (see text) ....farms	4	205	275	12	22	34	113	37	4,927
$1,000	127	4,443	2,642	95	332	4,409	2,502	12	1,377,816
Sales of $50,000 or more ....farms	1	16	6	1	1	11	11	-	2,266
$1,000	(D)	(D)	1,860	(D)	(D)	4,338	2,009	-	1,344,951
Other animals and other animal products (see text) ....farms	21	2,927	5,418	373	919	446	2,188	2,052	23,958
$1,000	(D)	8,544	16,107	10,151	2,645	2,143	6,766	1,948	1,135,166
Sales of $50,000 or more ....farms	4	36	50	11	10	4	14	3	2,109
$1,000	323	4,755	9,346	9,761	1,491	1,646	4,915	998	1,024,216
Value of-									
Government payments ....farms	8,829	259,510	151,988	12,253	40,381	10,388	9,197	8,804	17,203
$1,000	538,214	1,667,048	822,718	102,688	311,573	108,814	59,675	25,760	81,681
Landlord's share of total sales (see text) ....farms	3,271	6,758	13,049	1,063	1,414	1,129	638	303	1,244
$1,000	357,820	249,311	249,331	71,242	70,948	83,670	17,024	2,030	40,421
Agricultural products sold directly to individuals for human consumption (see text) ....farms	42	11,249	35,984	6,659	3,221	5,227	8,833	9,127	10,207
$1,000	189	64,657	141,427	36,050	52,594	18,970	54,898	16,613	56,787
FARM PRODUCTION EXPENSES									
Total farm production expenses ....farms	9,968	500,299	656,475	31,065	57,318	30,546	64,570	67,254	245,675
$1,000	3,513,263	11,835,981	27,295,693	27,536,938	24,968,314	15,500,177	29,395,851	957,278	8,551,008
Average per farm ....dollars	352,454	23,658	41,579	886,430	435,610	507,437	455,256	14,234	34,806
Fertilizer, lime, and soil conditioners purchased ....farms	9,523	142,267	322,395	18,350	45,618	13,098	19,727	15,745	61,911
$1,000	535,440	1,320,066	1,586,304	284,640	777,255	255,376	118,435	16,561	164,996
Farms with expenses of-									
$1 to $4,999	2,065	115,109	252,331	10,771	17,306	6,304	16,026	15,300	57,442
$5,000 to $24,999	2,576	18,110	59,187	4,562	20,198	3,842	2,676	383	3,361
$25,000 to $49,999	1,795	3,717	6,921	1,479	4,887	1,523	522	43	551
$50,000 or more	3,087	5,331	3,956	1,538	3,227	1,429	503	19	557
Chemicals purchased ....farms	9,847	117,125	225,208	14,765	37,516	11,874	21,692	12,439	52,508
$1,000	540,504	766,699	396,348	120,086	315,322	128,179	94,113	5,747	79,972
Farms with expenses of-									
$1 to $4,999	2,427	103,684	210,059	10,347	23,146	6,848	18,810	12,272	50,185
$5,000 to $24,999	2,775	7,900	12,704	3,102	11,882	3,565	2,151	143	1,696
$25,000 to $49,999	1,683	2,072	1,590	826	1,596	968	376	20	365
$50,000 or more	2,962	3,469	855	490	892	493	355	4	262
Seeds, plants, vines, and trees ....farms	8,673	83,078	155,758	13,164	41,100	10,977	13,453	9,763	33,344
$1,000	411,489	493,506	401,342	167,893	440,643	198,263	65,172	6,096	78,937
Farms with expenses of-									
$1 to $999	517	50,292	98,521	4,506	5,176	2,924	8,533	8,598	26,196
$1,000 to $4,999	1,114	19,801	41,080	3,249	15,097	1,867	2,740	990	4,862
$5,000 to $24,999	2,837	8,783	13,369	3,404	17,041	3,578	1,542	159	1,596
$25,000 to $49,999	1,783	1,959	1,865	1,103	2,513	1,557	366	14	396
$50,000 or more	2,422	2,243	923	902	1,273	1,051	272	2	294

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
FARM PRODUCTION EXPENSES - Con.							
Total farm production expenses - Con.							
Livestock and poultry purchased or leased (see text) ..... farms	490,819	48,385	5,006	6,112	2,133	35,400	1,305
$1,000	38,003,682	1,113,961	21,980	65,990	6,684	262,980	9,610
Farms with expenses of-							
$1 to $4,999	306,414	25,190	4,598	5,057	1,891	28,453	939
$5,000 to $24,999	97,441	14,330	313	782	208	5,602	308
$25,000 to $99,999	42,768	6,226	67	173	25	956	50
$100,000 to $249,999	24,183	1,926	12	61	5	259	5
$250,000 or more	20,013	713	16	39	4	130	3
Breeding livestock purchased or leased (see text) ..... farms	278,572	29,863	1,687	1,957	760	19,684	913
$1,000	3,599,873	266,653	6,915	9,796	3,211	105,611	4,576
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	24,532	3,944	4,702	1,565	19,832	533
$1,000	34,403,809	847,308	15,065	56,194	3,473	157,369	5,035
Feed purchased ..... farms	1,135,968	82,578	12,512	15,193	6,491	89,412	3,411
$1,000	49,095,106	919,649	51,732	70,277	22,221	326,852	15,801
Farms with expenses of-							
$1 to $4,999	766,606	52,016	11,063	13,204	5,737	78,398	2,728
$5,000 to $24,999	245,328	22,932	1,271	1,716	687	9,354	599
$25,000 to $99,999	66,394	6,197	122	212	55	1,364	71
$100,000 to $249,999	23,472	1,099	34	40	5	211	9
$250,000 or more	34,168	334	22	21	7	85	4
Gasoline, fuels, and oils ..... farms	2,148,806	333,445	39,856	95,200	53,275	497,693	9,545
$1,000	12,912,179	4,405,866	589,606	594,880	655,728	1,708,815	118,947
Farms with expenses of-							
$1 to $4,999	1,704,545	164,696	32,112	79,252	40,596	449,524	6,483
$5,000 to $24,999	336,324	121,476	4,112	11,702	8,559	35,143	1,862
$25,000 to $49,999	64,765	30,144	1,223	2,109	1,844	6,788	545
$50,000 or more	43,172	17,129	2,409	2,137	2,276	6,238	655
Utilities (see text) ..... farms	1,102,530	220,544	23,200	64,584	35,263	156,066	5,823
$1,000	5,917,615	1,056,829	443,034	655,893	419,402	677,584	26,777
Farms with expenses of-							
$1 to $999	506,560	58,893	12,137	26,761	14,004	90,261	2,521
$1,000 to $4,999	402,839	114,032	5,917	22,635	11,820	48,036	2,033
$5,000 to $24,999	157,818	41,617	2,830	11,019	6,826	13,233	1,077
$25,000 to $49,999	19,269	3,538	789	2,122	1,284	2,231	137
$50,000 or more	16,044	2,464	1,527	2,047	1,329	2,305	55
Supplies, repairs, and maintenance ..... farms	1,992,234	314,500	37,576	91,410	51,585	458,585	8,986
$1,000	15,896,723	4,229,666	861,281	1,014,705	941,770	1,942,054	78,205
Farms with expenses of-							
$1 to $4,999	1,478,317	143,166	28,913	69,274	37,824	393,529	6,067
$5,000 to $24,999	389,971	123,834	4,678	15,713	9,196	52,031	2,166
$25,000 to $49,999	73,014	31,194	1,272	3,074	1,874	7,056	450
$50,000 or more	50,932	16,306	2,713	3,349	2,691	5,969	303
Hired farm labor ..... farms	482,186	103,753	13,642	36,293	23,615	64,381	5,593
$1,000	21,877,661	2,134,728	2,201,929	3,514,033	4,698,926	1,602,859	157,354
Farms with expenses of-							
$1 to $4,999	262,262	50,537	5,416	14,498	6,853	40,548	2,843
$5,000 to $24,999	108,122	29,487	2,620	8,816	5,133	11,702	1,441
$25,000 to $99,999	75,938	19,760	2,499	7,246	5,778	8,679	954
$100,000 to $249,999	21,237	3,364	1,386	3,159	2,704	2,429	290
$250,000 or more	14,627	605	1,721	2,574	3,147	1,023	65
Contract labor ..... farms	182,701	24,914	5,265	30,075	7,638	28,797	2,492
$1,000	4,514,166	233,386	883,842	1,977,432	306,091	335,666	50,110
Farms with expenses of-							
$1 to $999	49,657	5,413	1,069	4,224	1,743	10,044	235
$1,000 to $4,999	66,104	9,730	1,186	8,489	2,649	10,551	874
$5,000 to $24,999	45,949	7,662	1,158	9,592	1,950	5,865	912
$25,000 to $49,999	9,730	1,324	453	2,923	494	1,175	238
$50,000 or more	11,261	785	1,399	4,847	802	1,162	233
Customwork and custom hauling ..... farms	362,475	112,335	4,922	17,223	3,376	46,470	1,437
$1,000	4,091,038	1,129,394	293,825	487,081	139,324	462,181	7,483
Farms with expenses of-							
$1 to $999	119,768	22,353	1,460	3,850	1,126	18,762	625
$1,000 to $4,999	131,318	44,680	1,211	5,720	1,116	16,619	497
$5,000 to $24,999	83,762	35,341	1,089	4,853	660	7,970	268
$25,000 to $49,999	14,558	6,120	375	1,238	134	1,612	33
$50,000 or more	13,069	3,841	787	1,562	340	1,507	14
Cash rent for land, buildings, and grazing fees ..... farms	490,372	169,862	9,259	7,911	7,689	50,919	3,690
$1,000	13,274,530	7,605,556	755,363	317,654	345,933	1,098,890	50,335
Farms with expenses of-							
$1 to $4,999	238,363	38,783	4,430	3,614	2,964	30,353	2,147
$5,000 to $9,999	59,281	21,235	886	1,115	1,127	5,639	500
$10,000 to $24,999	76,679	37,234	1,074	1,286	1,400	6,118	484
$25,000 or more	116,049	72,610	2,869	1,896	2,198	8,809	559

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
FARM PRODUCTION EXPENSES - Con.									
Total farm production expenses - Con.									
Livestock and poultry purchased or leased (see text) ....farms	594	33,501	213,888	18,145	23,620	22,060	40,055	23,706	52,309
$1,000	9,626	243,744	6,972,206	17,520,031	1,143,008	4,464,215	5,480,450	112,483	839,694
Farms with expenses of-									
$1 to $4,999	301	27,213	136,389	8,143	12,610	9,944	14,403	21,424	38,312
$5,000 to $24,999	213	5,081	49,958	3,109	6,367	1,844	2,235	1,941	10,752
$25,000 to $99,999	66	840	16,356	1,929	3,028	2,387	9,413	235	1,973
$100,000 to $249,999	8	246	5,792	1,429	891	2,845	10,204	65	694
$250,000 or more	6	121	5,393	3,535	724	5,040	3,800	41	578
Breeding livestock purchased or leased (see text) ....farms	463	18,308	146,918	6,115	19,745	7,087	7,895	13,212	23,649
$1,000	6,053	94,983	1,435,574	80,061	881,770	330,368	167,683	31,345	280,884
Other livestock and poultry purchased or leased (see text) ....farms	207	19,092	95,922	14,495	7,604	18,091	37,752	14,421	36,295
$1,000	3,573	148,761	5,536,632	17,439,970	261,237	4,133,847	5,312,767	81,138	558,809
Feed purchased ....farms	1,578	84,423	526,560	26,810	50,046	29,113	62,248	58,842	176,163
$1,000	14,446	296,605	4,892,615	6,573,034	10,315,257	6,806,768	17,132,739	238,518	1,745,445
Farms with expenses of-									
$1 to $4,999	1,009	74,661	377,096	14,866	6,309	11,616	31,099	49,236	115,966
$5,000 to $24,999	430	8,325	121,041	6,321	11,458	4,563	5,879	8,765	51,341
$25,000 to $99,999	117	1,176	22,194	2,707	19,753	3,416	2,633	702	7,039
$100,000 to $249,999	22	180	4,246	1,228	6,758	3,569	5,046	86	1,150
$250,000 or more	-	81	1,983	1,688	5,768	5,949	17,591	53	667
Gasoline, fuels, and oils ....farms	9,801	478,347	648,118	30,770	56,964	29,628	62,815	64,898	236,144
$1,000	327,020	1,262,848	1,886,377	342,343	987,716	349,463	705,945	78,521	606,918
Farms with expenses of-									
$1 to $4,999	2,387	440,654	560,288	22,073	20,594	18,950	42,723	62,178	211,559
$5,000 to $24,999	3,613	29,668	77,633	5,988	27,564	7,449	12,756	2,450	21,492
$25,000 to $49,999	1,967	4,276	7,490	1,497	5,057	1,915	4,619	185	1,894
$50,000 or more	1,834	3,749	2,707	1,212	3,749	1,314	2,717	85	1,199
Utilities (see text) ....farms	7,154	143,089	333,692	20,621	53,145	20,795	41,406	28,327	104,887
$1,000	137,469	513,338	613,419	146,165	762,814	254,714	564,837	30,896	292,026
Farms with expenses of-									
$1 to $999	1,040	86,700	196,511	8,765	5,370	5,469	11,917	20,236	56,236
$1,000 to $4,999	2,472	43,531	114,244	8,103	16,624	6,761	9,030	7,233	38,404
$5,000 to $24,999	2,313	9,843	20,912	2,964	26,063	6,742	15,894	805	8,913
$25,000 to $49,999	679	1,415	1,378	385	2,580	1,015	3,161	36	750
$50,000 or more	650	1,600	647	404	2,508	808	1,404	17	584
Supplies, repairs, and maintenance ....farms	9,464	440,135	602,689	29,028	54,567	27,803	58,871	56,755	208,865
$1,000	297,249	1,566,599	2,273,182	413,508	2,060,177	466,758	714,926	106,046	872,650
Farms with expenses of-									
$1 to $4,999	2,585	384,877	496,606	19,053	12,998	16,566	37,391	52,250	170,747
$5,000 to $24,999	3,548	46,317	92,684	6,804	24,019	7,405	16,271	4,135	33,201
$25,000 to $49,999	1,672	4,934	9,105	1,615	9,188	2,153	3,129	257	3,097
$50,000 or more	1,659	4,007	4,294	1,556	8,362	1,679	2,080	113	1,820
Hired farm labor ....farms	5,329	53,459	128,782	9,572	30,994	9,016	16,688	8,004	37,446
$1,000	293,204	1,152,301	1,458,359	586,769	2,837,455	747,764	990,271	53,878	1,050,687
Farms with expenses of-									
$1 to $4,999	841	36,864	92,319	4,982	8,025	3,559	7,106	6,546	21,873
$5,000 to $24,999	1,505	8,756	22,719	1,976	8,873	2,215	5,403	944	8,234
$25,000 to $99,999	2,335	5,390	11,312	1,634	8,210	1,931	3,064	423	5,402
$100,000 to $249,999	514	1,625	1,923	516	3,210	707	509	67	1,263
$250,000 or more	134	824	509	464	2,676	604	606	24	674
Contract labor ....farms	1,967	24,338	49,496	2,512	5,313	2,311	5,912	3,531	16,937
$1,000	47,516	238,040	262,662	34,789	123,747	92,079	105,833	11,741	146,898
Farms with expenses of-									
$1 to $999	191	9,618	16,992	683	749	444	1,099	1,800	5,397
$1,000 to $4,999	632	9,045	20,607	853	1,611	757	2,157	1,221	6,293
$5,000 to $24,999	804	4,149	9,979	673	1,926	702	1,932	435	4,075
$25,000 to $49,999	164	773	1,334	151	484	179	444	52	717
$50,000 or more	176	753	584	152	543	229	280	23	455
Customwork and custom hauling ....farms	3,250	41,783	105,724	9,617	30,810	5,795	6,268	4,634	15,301
$1,000	101,080	353,617	404,956	103,030	781,682	143,414	64,754	9,959	71,438
Farms with expenses of-									
$1 to $999	171	17,966	51,103	3,368	3,011	1,406	2,189	3,151	7,989
$1,000 to $4,999	716	15,406	37,920	3,076	10,360	1,890	2,547	1,163	5,016
$5,000 to $24,999	1,346	6,356	14,313	2,311	12,063	1,810	1,280	265	1,807
$25,000 to $49,999	525	1,054	1,493	505	2,325	349	119	29	259
$50,000 or more	492	1,001	895	357	3,051	340	133	26	230
Cash rent for land, buildings, and grazing fees ....farms	4,757	42,472	159,165	9,932	31,830	8,057	7,628	4,779	23,341
$1,000	260,470	788,085	1,414,495	241,176	632,443	421,470	206,396	38,964	196,189
Farms with expenses of-									
$1 to $4,999	851	27,355	112,379	4,764	14,160	2,103	3,163	3,805	17,845
$5,000 to $9,999	604	4,535	18,216	1,130	5,523	828	1,213	348	2,021
$10,000 to $24,999	1,030	4,604	16,011	1,516	6,775	1,512	1,579	304	1,870
$25,000 or more	2,272	5,978	12,559	2,522	5,372	3,614	1,673	322	1,605

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
FARM PRODUCTION EXPENSES - Con.							
Total farm production expenses - Con.							
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	37,359	3,072	7,007	3,744	13,110	602
$1,000	1,385,219	557,357	147,701	113,946	81,489	164,280	4,223
Farms with expenses of-							
$1 to $999	39,280	8,136	829	2,710	1,303	5,452	253
$1,000 to $4,999	31,997	11,466	691	1,948	967	3,419	184
$5,000 to $24,999	26,656	12,355	744	1,586	938	2,898	124
$25,000 to $49,999	5,778	3,016	259	334	227	670	28
$50,000 or more	5,488	2,386	549	429	309	671	13
Interest expense ..... farms	667,454	169,229	10,101	27,543	14,724	101,913	4,188
$1,000	10,880,731	3,223,065	299,346	780,541	350,372	1,151,397	46,167
Farms with expenses of-							
$1 to $4,999	289,876	55,713	4,629	10,931	6,562	51,360	2,108
$5,000 to $24,999	275,988	75,801	3,440	10,798	5,757	40,752	1,690
$25,000 to $99,999	87,574	33,777	1,369	4,429	1,874	8,632	346
$100,000 or more	14,016	3,938	663	1,385	531	1,169	44
Secured by real estate ..... farms	519,095	122,167	7,416	23,175	10,976	82,370	3,213
$1,000	7,185,334	1,893,830	163,291	628,149	232,649	806,300	31,915
Farms with expenses of-							
$1 to $999	58,501	8,785	1,039	2,717	1,348	11,092	418
$1,000 to $4,999	171,356	33,838	2,433	6,147	3,440	31,364	1,267
$5,000 to $24,999	225,304	59,195	2,698	9,453	4,497	33,764	1,272
$25,000 to $49,999	39,515	13,381	552	2,423	873	4,032	167
$50,000 or more	24,419	6,968	694	2,435	818	2,118	89
Not secured by real estate ..... farms	413,327	120,176	6,370	14,190	8,607	55,768	2,584
$1,000	3,695,397	1,329,235	136,054	152,393	117,723	345,097	14,253
Farms with expenses of-							
$1 to $999	122,808	20,630	2,022	5,444	2,732	21,418	826
$1,000 to $4,999	153,159	40,330	2,066	4,908	3,121	20,551	1,051
$5,000 to $24,999	106,610	45,575	1,321	2,754	2,046	10,857	603
$25,000 to $49,999	18,841	9,271	375	481	369	1,879	68
$50,000 or more	11,909	4,370	586	603	339	1,063	36
Property taxes paid ..... farms	1,995,808	302,574	33,147	91,492	49,392	472,967	8,763
$1,000	6,223,048	1,502,484	172,206	542,367	199,748	1,112,290	22,047
Farms with expenses of-							
$1 to $4,999	1,717,819	216,754	27,543	70,340	40,658	427,805	7,952
$5,000 to $9,999	172,489	50,806	2,689	11,369	5,215	30,471	480
$10,000 to $24,999	80,800	27,869	1,761	6,489	2,514	11,674	226
$25,000 or more	24,700	7,145	1,154	3,294	1,005	3,017	105
All other production expenses (see text) ..... farms	1,115,703	240,326	20,018	47,311	28,242	136,338	5,621
$1,000	17,119,339	3,420,106	991,593	1,683,178	1,536,274	1,074,187	51,437
Farms with expenses of-							
$1 to $4,999	765,840	116,037	13,002	29,094	16,350	109,063	3,844
$5,000 to $24,999	234,512	88,850	3,622	10,754	6,662	19,152	1,285
$25,000 to $49,999	55,174	21,478	1,059	2,992	1,816	4,057	266
$50,000 to $99,999	32,742	9,729	818	1,915	1,520	2,325	154
$100,000 or more	27,435	4,232	1,517	2,556	1,894	1,741	72
Production expenses paid by landlords [1] ..... farms	67,427	46,182	672	1,019	410	6,158	429
$1,000	1,556,963	1,198,790	24,071	29,563	7,962	127,705	5,403
Depreciation expenses claimed (see text) ..... farms	963,340	222,696	16,819	46,074	25,356	163,618	5,313
$1,000	20,185,540	6,227,970	636,039	1,363,344	701,643	2,007,735	95,968
NET CASH FARM INCOME (SEE TEXT)							
Net cash farm income of operations (see text) ..... farms	2,204,792	338,237	40,589	98,281	54,889	519,893	9,626
$1,000	74,581,098	28,662,449	4,463,346	4,950,555	4,679,350	5,330,842	388,375
Average per farm ..... dollars	33,827	84,741	109,964	50,371	85,251	10,254	40,346
Farms with net gains [2] ..... number	1,037,041	271,225	27,056	55,669	32,061	255,671	7,587
Average net gain ..... dollars	89,479	112,362	180,622	112,948	168,296	30,770	57,267
Gain of-							
Less than $1,000	102,871	8,005	2,367	4,082	2,577	42,707	317
$1,000 to $4,999	221,477	25,229	6,163	11,090	5,922	83,289	1,322
$5,000 to $9,999	128,828	21,812	4,070	7,814	3,922	40,261	1,112
$10,000 to $24,999	170,636	43,849	5,407	11,120	5,974	41,947	1,736
$25,000 to $49,999	119,233	43,308	2,905	7,403	4,132	21,062	1,227
$50,000 or more	293,996	129,022	6,144	14,160	9,534	26,405	1,873
Farms with net losses ..... number	1,167,751	67,012	13,533	42,612	22,828	264,222	2,039
Average net loss ..... dollars	15,596	27,055	31,298	31,379	31,382	9,599	22,613
Loss of-							
Less than $1,000	134,307	7,477	2,355	4,983	3,224	49,773	292
$1,000 to $4,999	426,570	20,045	5,143	13,700	7,647	111,710	661
$5,000 to $9,999	247,156	11,784	2,335	7,518	3,853	47,512	345
$10,000 to $24,999	225,863	13,212	1,921	7,884	3,794	37,148	386
$25,000 to $49,999	76,927	6,505	715	3,796	1,718	11,108	143
$50,000 or more	56,928	7,989	1,064	4,731	2,592	6,971	212

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
FARM PRODUCTION EXPENSES - Con.									
Total farm production expenses - Con.									
Rent and lease expenses for machinery, equipment, and farm share of vehicles ....farms	1,363	11,145	21,967	1,976	8,645	2,024	2,559	1,305	6,431
$1,000	49,597	110,460	81,933	27,228	102,355	35,691	40,936	2,424	29,880
Farms with expenses of-									
$1 to $999	84	5,115	11,740	785	2,499	541	1,095	872	3,318
$1,000 to $4,999	326	2,909	6,335	566	3,070	618	728	324	1,865
$5,000 to $24,999	542	2,232	3,290	415	2,167	591	498	100	1,074
$25,000 to $49,999	182	460	423	108	433	134	72	6	96
$50,000 or more	229	429	179	102	476	140	166	3	78
Interest expense ....farms	5,185	92,540	188,282	12,698	34,066	12,699	23,863	13,286	59,050
$1,000	131,851	973,379	1,928,417	396,595	1,170,614	328,252	519,689	88,365	644,078
Farms with expenses of-									
$1 to $4,999	1,231	48,021	99,764	4,878	9,259	4,076	7,656	7,747	27,301
$5,000 to $24,999	2,301	36,761	72,345	4,703	15,667	5,074	10,252	5,055	26,344
$25,000 to $99,999	1,440	6,846	14,468	2,343	6,918	2,957	5,328	458	5,021
$100,000 or more	213	912	1,705	774	2,222	592	627	26	384
Secured by real estate ....farms	2,945	76,212	143,593	9,650	26,171	10,607	21,564	11,089	50,317
$1,000	57,513	716,872	1,341,795	163,997	745,356	211,899	428,274	71,776	498,018
Farms with expenses of-									
$1 to $999	213	10,461	20,180	932	1,524	1,074	1,693	1,911	6,206
$1,000 to $4,999	717	29,380	55,415	3,094	5,821	2,667	5,241	4,463	17,433
$5,000 to $24,999	1,369	31,123	57,624	4,095	12,760	4,483	9,504	4,343	22,888
$25,000 to $49,999	389	3,476	6,843	846	3,054	1,383	3,077	279	2,772
$50,000 or more	257	1,772	3,531	683	3,012	1,000	2,049	93	1,018
Not secured by real estate ....farms	3,959	49,225	118,312	8,310	24,195	7,566	11,567	6,897	31,369
$1,000	74,338	256,507	586,623	232,598	425,258	116,354	91,415	16,589	146,060
Farms with expenses of-									
$1 to $999	353	20,239	43,110	1,954	4,038	1,760	3,935	3,639	12,126
$1,000 to $4,999	839	18,661	49,479	2,435	8,541	2,262	4,496	2,532	12,438
$5,000 to $24,999	1,816	8,438	21,661	2,260	8,624	2,463	2,514	656	5,879
$25,000 to $49,999	630	1,181	2,614	727	1,434	582	347	52	710
$50,000 or more	321	706	1,448	934	1,558	499	275	18	216
Property taxes paid ....farms	8,392	455,812	596,434	29,176	53,347	28,650	61,180	57,479	219,970
$1,000	56,012	1,034,230	1,227,124	121,461	379,543	129,864	203,863	96,720	535,379
Farms with expenses of-									
$1 to $4,999	5,651	414,202	550,608	23,774	34,392	22,464	52,361	54,143	196,977
$5,000 to $9,999	1,397	28,594	30,312	2,958	11,150	3,432	5,922	2,462	15,703
$10,000 to $24,999	1,004	10,444	12,221	1,740	5,588	2,099	2,235	745	5,865
$25,000 or more	340	2,572	3,293	704	2,217	655	662	129	1,425
All other production expenses (see text) ....farms	8,186	122,531	354,570	22,284	52,546	20,837	41,560	33,262	118,409
$1,000	300,288	722,462	1,495,953	458,190	2,138,283	677,906	2,387,494	60,358	1,195,818
Farms with expenses of-									
$1 to $4,999	2,464	102,755	300,453	15,028	17,037	10,283	16,839	31,184	91,470
$5,000 to $24,999	3,072	14,795	43,920	4,572	21,679	6,027	5,998	1,817	21,459
$25,000 to $49,999	1,280	2,511	6,023	1,254	6,458	1,987	4,812	164	3,074
$50,000 to $99,999	742	1,429	2,665	709	3,555	1,318	6,754	52	1,382
$100,000 or more	628	1,041	1,509	721	3,817	1,222	7,157	45	1,024
Production expenses paid by landlords [1] ....farms	2,401	3,328	7,573	903	1,743	1,151	709	170	737
$1,000	63,832	58,469	72,144	21,529	26,212	28,513	8,849	1,143	10,484
Depreciation expenses claimed (see text) ....farms	7,099	151,206	290,747	17,760	43,107	16,100	26,582	18,865	75,616
$1,000	357,405	1,554,361	3,408,337	520,507	2,456,987	796,834	999,878	106,402	959,864
NET CASH FARM INCOME (SEE TEXT)									
Net cash farm income of operations (see text) ....farms	9,968	500,299	656,475	31,065	57,318	30,546	64,570	67,254	245,675
$1,000	1,588,866	3,353,602	2,611,132	2,987,946	10,555,964	2,916,832	8,669,638	-306,156	-940,799
Average per farm ....dollars	159,397	6,703	3,978	96,184	184,165	95,490	134,267	-4,552	-3,829
Farms with net gains [2] .... number	8,189	239,895	244,039	15,361	50,440	13,203	27,558	8,770	35,988
Average net gain ....dollars	212,452	23,731	32,663	222,792	218,339	270,616	336,739	18,810	68,252
Gain of-									
Less than $1,000	126	42,264	31,600	1,272	533	579	1,091	2,502	5,556
$1,000 to $4,999	424	81,543	70,506	2,822	2,046	956	1,325	2,894	9,235
$5,000 to $9,999	419	38,730	40,012	1,627	1,833	649	685	1,128	5,015
$10,000 to $24,999	874	39,337	45,706	2,256	4,992	1,145	945	1,210	6,085
$25,000 to $49,999	909	18,926	24,263	1,657	7,405	1,311	1,731	506	3,550
$50,000 or more	5,437	19,095	31,952	5,727	33,631	8,563	21,781	530	6,547
Farms with net losses .... number	1,779	260,404	412,436	15,704	6,878	17,343	37,012	58,484	209,687
Average net loss ....dollars	84,823	8,983	12,996	27,659	66,452	37,831	16,487	8,056	16,201
Loss of-									
Less than $1,000	84	49,397	43,021	1,507	504	1,111	2,459	6,032	11,861
$1,000 to $4,999	268	110,781	155,537	5,382	1,382	5,793	13,503	26,090	60,638
$5,000 to $9,999	163	47,004	92,122	3,468	1,088	3,995	9,568	13,673	50,240
$10,000 to $24,999	302	36,460	80,662	3,129	1,509	3,747	7,957	9,802	55,098
$25,000 to $49,999	262	10,703	25,101	1,111	976	1,049	2,193	2,116	20,539
$50,000 or more	700	6,059	15,993	1,107	1,419	1,648	1,332	771	11,311

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
NET CASH FARM INCOME (SEE TEXT) - Con.							
Net cash farm income of operators (see text) ..... farms	2,204,792	338,237	40,589	98,281	54,889	519,893	9,626
$1,000	64,197,836	24,760,677	4,168,920	4,864,959	4,665,410	4,831,394	379,175
Average per farm ..... dollars	29,117	73,205	102,711	49,500	84,997	9,293	39,391
Operators reporting net gains [2] ..... farms	1,025,783	266,125	27,054	55,493	32,020	254,690	7,514
Average net gain ..... dollars	81,061	100,830	170,350	112,093	168,153	29,179	56,895
Gain of-							
Less than $1,000	103,330	8,268	2,367	4,090	2,580	42,735	324
$1,000 to $4,999	222,713	25,972	6,186	11,101	5,941	83,311	1,337
$5,000 to $9,999	129,906	22,453	4,087	7,792	3,922	40,279	1,149
$10,000 to $24,999	173,780	45,187	5,398	11,114	5,946	41,866	1,675
$25,000 to $49,999	122,964	44,158	2,884	7,447	4,130	21,009	1,191
$50,000 or more	273,090	120,087	6,132	13,949	9,501	25,490	1,838
Operators reporting net losses ..... farms	1,179,009	72,112	13,535	42,788	22,869	265,203	2,112
Average net loss ..... dollars	16,075	28,744	32,488	31,677	31,434	9,805	22,885
Loss of-							
Less than $1,000	135,011	7,791	2,361	4,998	3,219	49,825	306
$1,000 to $4,999	428,133	20,743	5,140	13,718	7,648	111,891	671
$5,000 to $9,999	248,731	12,454	2,334	7,539	3,861	47,616	349
$10,000 to $24,999	228,206	14,262	1,911	7,915	3,824	37,349	408
$25,000 to $49,999	78,919	7,410	708	3,828	1,719	11,275	157
$50,000 or more	60,009	9,452	1,081	4,790	2,598	7,247	221
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)							
Total ..... farms	50,572	35,776	490	136	59	4,960	216
$1,000	4,445,758	3,280,413	52,955	10,358	1,580	645,851	8,446
INCOME FROM FARM-RELATED SOURCES							
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	693,187	192,972	10,801	21,256	9,595	157,314	4,808
$1,000	10,489,874	3,166,377	291,502	712,491	161,157	2,270,537	104,553
Customwork and other agricultural services ..... farms	121,874	50,394	2,327	4,194	1,235	20,087	583
$1,000	1,875,665	795,666	67,275	189,134	28,098	299,403	6,190
Gross cash rent or share payments ..... farms	241,923	49,946	3,614	6,278	3,379	90,086	765
$1,000	2,883,897	734,017	78,989	105,717	24,339	1,156,011	4,216
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	47,603	3,817	1,484	2,009	2,271	14,337	259
$1,000	594,944	45,797	9,496	24,225	25,811	202,511	4,078
Agri-tourism and recreational services (see text) ..... farms	23,350	2,363	889	1,363	644	4,993	44
$1,000	566,834	30,178	28,620	95,006	20,775	66,301	277
Patronage dividends and refunds from cooperatives ..... farms	288,196	126,468	2,955	7,251	1,777	30,979	1,127
$1,000	854,995	333,044	26,410	100,173	6,324	101,810	2,414
Crop and livestock insurance payments received (see text) ..... farms	82,001	47,133	867	2,301	197	8,427	1,012
$1,000	1,676,727	971,665	34,378	114,696	6,633	180,321	27,824
Amount from state and local government agricultural program payments (see text) ..... farms	34,410	6,164	413	430	265	6,849	427
$1,000	145,413	32,288	2,153	2,851	1,656	27,178	3,997
Other farm-related income sources (see text) ..... farms	118,939	20,484	1,948	2,930	1,628	22,727	3,056
$1,000	1,891,400	223,723	44,181	80,689	47,522	237,001	55,556
LAND USE							
Total cropland ..... farms	1,685,339	336,395	40,586	98,281	54,884	477,862	9,626
acres	406,424,909	220,170,247	6,905,884	6,267,198	2,158,713	69,140,484	1,538,541
Harvested cropland ..... farms	1,328,004	333,886	40,582	98,275	54,881	289,135	9,626
acres	309,607,601	194,191,397	6,018,702	5,339,755	1,698,564	36,965,418	1,219,827
Farms by acres harvested:							
1 to 49 acres	700,266	58,543	33,009	82,298	49,357	192,699	5,848
50 to 99 acres	179,055	39,957	1,856	6,814	2,509	42,380	1,361
100 to 199 acres	141,875	50,301	1,392	4,398	1,354	22,921	993
200 to 499 acres	143,776	71,753	1,592	3,045	1,091	15,331	817
500 to 999 acres	82,211	53,557	1,154	1,027	367	7,437	355
1,000 to 1,999 acres	53,728	39,139	872	427	138	5,406	206
2,000 acres or more	27,093	20,636	707	266	65	2,961	46
Cropland-							
For pasture or grazing only ..... farms	404,753	38,333	5,355	9,134	5,210	79,174	2,667
acres	35,771,154	3,742,370	228,249	319,141	119,315	6,923,777	173,510
On which all crops failed or were abandoned ..... farms	89,587	18,953	4,341	4,037	2,494	27,432	781
acres	7,405,898	2,800,363	88,002	79,742	38,094	1,621,132	38,052
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	360,225	59,260	8,996	13,175	9,008	196,517	1,926
acres	37,968,749	8,314,586	440,062	465,562	264,568	21,856,855	81,733
In cultivated summer fallow ..... farms	67,960	26,074	2,964	2,063	1,193	15,677	999
acres	15,671,507	11,121,531	130,869	62,998	38,172	1,773,302	25,419

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
NET CASH FARM INCOME (SEE TEXT) - Con.									
Net cash farm income of operators (see text) ....farms	9,968	500,299	656,475	31,065	57,318	30,546	64,570	67,254	245,675
$1,000	1,294,708	3,157,511	2,133,878	3,365,181	10,512,753	2,279,172	3,922,073	-307,821	-998,758
Average per farm ....dollars	129,886	6,311	3,251	108,327	183,411	74,614	60,741	-4,577	-4,065
Operators reporting net gains [2] ....farms	7,899	239,277	242,161	15,199	50,333	12,732	25,312	8,748	35,916
Average net gain ....dollars	187,406	23,086	31,344	256,503	218,086	231,823	185,294	18,658	66,864
Gain of-									
Less than $1,000	135	42,276	31,655	1,258	542	619	1,173	2,500	5,543
$1,000 to $4,999	432	81,542	70,456	2,828	2,063	1,015	1,731	2,889	9,220
$5,000 to $9,999	425	38,705	39,794	1,641	1,834	707	1,254	1,122	5,021
$10,000 to $24,999	896	39,295	45,328	2,251	4,991	1,374	3,024	1,208	6,093
$25,000 to $49,999	984	18,834	23,888	1,618	7,456	1,573	4,757	509	3,535
$50,000 or more	5,027	18,625	31,040	5,603	33,447	7,444	13,373	520	6,504
Operators reporting net losses ....farms	2,069	261,022	414,314	15,866	6,985	17,814	39,258	58,506	209,759
Average net loss ....dollars	89,710	9,066	13,170	33,620	66,452	37,745	19,565	8,051	16,210
Loss of-									
Less than $1,000	81	49,438	43,184	1,523	508	1,156	2,540	6,041	11,865
$1,000 to $4,999	289	110,931	155,848	5,412	1,387	5,849	13,738	26,089	60,670
$5,000 to $9,999	162	47,105	92,578	3,476	1,102	4,010	9,822	13,683	50,256
$10,000 to $24,999	359	36,582	81,026	3,154	1,532	3,857	8,479	9,808	55,089
$25,000 to $49,999	338	10,780	25,378	1,116	994	1,164	2,666	2,115	20,546
$50,000 or more	840	6,186	16,300	1,185	1,462	1,778	2,013	770	11,333
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)									
Total ....farms	2,378	2,366	2,843	1,168	1,853	1,903	321	259	804
$1,000	434,420	202,985	86,971	77,137	54,205	161,388	20,831	1,116	52,953
INCOME FROM FARM-RELATED SOURCES									
Total income from farm-related sources, gross before taxes and expenses (see text) ....farms	5,998	146,508	163,097	12,349	36,379	11,228	15,190	10,679	52,327
$1,000	206,833	1,959,150	1,549,002	172,892	458,674	181,082	208,272	71,255	1,246,633
Customwork and other agricultural services ....farms	1,396	18,108	24,777	2,685	6,559	2,648	1,922	1,145	3,901
$1,000	46,094	247,119	241,882	42,726	87,571	42,145	33,590	6,660	41,514
Gross cash rent or share payments ....farms	1,392	87,929	53,313	3,726	2,980	3,108	4,701	4,238	16,554
$1,000	29,474	1,122,321	456,887	51,349	41,950	40,701	29,310	24,908	139,719
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ....farms	193	13,885	14,218	658	2,180	525	1,495	1,099	3,510
$1,000	7,211	191,222	180,924	6,236	23,851	4,619	19,906	6,959	44,610
Agri-tourism and recreational services (see text) ....farms	92	4,857	7,277	192	387	137	650	768	3,687
$1,000	883	65,140	140,839	4,842	4,076	5,013	26,141	11,162	133,883
Patronage dividends and refunds from cooperatives ....farms	3,759	26,093	61,520	6,820	28,074	6,500	6,279	2,448	7,125
$1,000	55,849	43,547	52,746	16,217	144,161	21,556	35,543	1,225	15,786
Crop and livestock insurance payments received (see text) ....farms	1,829	5,586	12,871	1,766	4,582	1,442	821	320	1,274
$1,000	54,969	97,527	192,595	31,336	79,524	24,021	17,623	2,644	21,289
Amount from state and local government agricultural program payments (see text) ....farms	148	6,274	11,594	452	5,803	258	588	579	1,015
$1,000	2,335	20,846	29,672	1,136	38,948	1,351	3,665	1,116	3,399
Other farm-related income sources (see text) ....farms	426	19,245	30,915	1,864	5,034	1,782	2,743	2,287	24,597
$1,000	10,018	171,427	253,457	19,052	38,595	41,676	42,493	16,580	846,432
LAND USE									
Total cropland ....farms	9,968	458,268	421,642	23,341	52,360	19,024	35,952	26,723	98,289
acres	10,976,689	56,625,254	64,156,251	6,378,177	14,616,513	5,141,784	2,924,144	1,123,930	7,441,584
Harvested cropland ....farms	9,967	269,542	340,934	20,475	50,149	14,688	23,848	14,168	46,983
acres	9,778,279	25,967,312	36,675,357	5,218,572	13,291,838	4,747,504	2,140,320	429,300	2,890,874
Farms by acres harvested:									
1 to 49 acres	927	185,924	194,572	8,966	7,157	5,779	16,066	12,342	39,478
50 to 99 acres	714	40,305	64,802	3,113	8,470	1,426	3,273	1,072	3,383
100 to 199 acres	951	20,977	40,141	2,507	13,019	1,611	2,116	433	1,682
200 to 499 acres	1,707	12,807	27,120	2,883	15,179	2,681	1,533	228	1,340
500 to 999 acres	2,070	5,012	9,274	1,651	4,583	1,931	556	74	600
1,000 to 1,999 acres	2,257	2,943	3,778	1,010	1,366	1,003	223	15	351
2,000 acres or more	1,341	1,574	1,247	345	375	257	81	4	149
Cropland-									
For pasture or grazing only ....farms	1,373	75,134	155,482	7,109	17,664	5,468	12,871	13,293	55,660
acres	335,555	6,414,712	17,976,893	607,024	904,264	186,953	470,935	450,509	3,841,724
On which all crops failed or were abandoned ....farms	812	25,839	21,444	1,061	2,311	812	1,934	1,238	3,530
acres	153,677	1,429,403	2,316,923	111,647	107,510	31,219	52,312	53,171	105,783
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ....farms	1,974	192,617	40,001	2,916	4,932	3,360	6,281	4,159	11,620
acres	521,594	21,253,528	5,093,338	293,560	220,805	145,649	239,676	160,224	473,864
In cultivated summer fallow ....farms	900	13,778	14,090	860	1,872	484	791	578	1,314
acres	187,584	1,560,299	2,093,740	147,374	92,096	30,459	20,901	30,726	129,339

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
							Total	Tobacco farming (11191)
LAND USE - Con.								
Total woodland	farms	843,294	95,947	15,505	23,516	18,315	222,176	5,362
	acres	75,098,603	7,428,212	943,607	1,808,940	1,023,655	20,343,364	544,002
Woodland pastured	farms	370,297	24,163	3,644	4,678	2,695	53,859	2,412
	acres	28,609,690	1,518,953	181,434	293,023	87,982	2,988,752	98,962
Woodland not pastured	farms	596,123	82,285	13,541	20,514	16,697	188,736	4,044
	acres	46,488,913	5,909,259	762,173	1,515,917	935,673	17,354,612	445,040
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text)	farms	1,132,606	104,019	9,602	14,505	7,230	165,447	4,234
	acres	408,832,116	31,625,261	826,453	2,855,267	361,338	28,234,757	313,185
Land in house lots, ponds, roads, wasteland, etc.	farms	1,126,272	181,066	21,888	45,154	28,214	251,243	5,299
	acres	31,740,212	7,607,896	597,001	1,210,278	430,824	7,022,161	122,969
Irrigated land	farms	301,028	43,503	20,497	59,995	34,679	51,615	1,988
	acres	56,599,305	23,510,091	4,159,631	4,275,451	806,310	12,329,957	69,697
Harvested cropland	farms	256,105	43,203	20,394	59,535	34,492	48,816	1,986
	acres	51,537,104	23,299,157	4,102,108	4,196,676	778,751	11,639,566	68,802
Pastureland and other land	farms	72,585	2,320	1,019	3,100	1,190	10,757	27
	acres	5,062,201	210,934	57,523	78,775	27,559	690,391	895
CONSERVATION PRACTICES AND CROP INSURANCE								
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text)	farms	346,231	86,421	1,725	1,970	1,383	196,461	529
	acres	38,547,450	8,858,911	138,368	121,568	65,829	22,744,837	21,562
Land enrolled in crop insurance programs (see text)	farms	349,408	204,305	4,829	20,343	3,960	39,638	3,573
	acres	222,267,817	153,117,105	2,843,400	2,725,199	293,850	19,756,242	697,637
ORGANIC AGRICULTURE								
Land used for organic production (see text)	farms	20,437	1,688	3,848	4,749	1,384	2,579	27
	acres	2,577,418	640,668	130,410	120,762	12,004	398,673	871
Total organic product sales (see text)	farms	18,211	1,646	3,773	4,293	1,245	2,340	26
	$1,000	1,709,111	136,060	442,336	350,591	73,749	102,547	1,259
VALUE OF LAND AND BUILDINGS								
Estimated market value of land and buildings	farms	2,204,792	338,237	40,589	98,281	54,889	519,893	9,626
	$1,000	1,744,295,252	539,720,398	44,473,158	118,080,818	37,975,030	260,390,126	8,010,519
Average per farm	dollars	791,138	1,595,687	1,095,695	1,201,461	691,851	500,853	832,175
Average per acre	dollars	1,892	2,023	4,796	9,725	9,555	2,087	3,180
Farms by value group:								
$1 to $49,999		223,182	14,958	8,060	9,094	7,430	58,963	1,291
$50,000 to $99,999		212,783	16,847	4,438	7,368	4,988	66,349	928
$100,000 to $199,999		374,783	32,035	6,860	12,992	8,644	106,730	1,501
$200,000 to $499,999		631,939	69,598	10,190	26,787	15,988	160,642	2,501
$500,000 to $999,999		371,783	62,235	4,968	20,211	9,766	75,404	1,485
$1,000,000 to $1,999,999		206,282	60,716	2,562	11,011	4,499	32,791	877
$2,000,000 to $4,999,999		132,549	59,008	1,857	7,023	2,587	14,164	753
$5,000,000 to $9,999,999		36,072	17,251	822	2,135	648	3,328	219
$10,000,000 or more		15,419	5,589	832	1,660	339	1,522	71
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment	farms	2,204,513	338,224	40,587	98,263	54,870	519,782	9,624
	$1,000	194,783,471	68,823,847	5,251,159	6,707,008	4,576,326	28,769,971	1,059,190
Farms by value group:								
$1 to $4,999		195,820	9,287	4,972	11,970	7,583	58,418	371
$5,000 to $9,999		217,460	12,463	5,074	11,649	6,008	68,221	556
$10,000 to $19,999		351,088	25,433	7,629	17,507	9,097	103,395	1,253
$20,000 to $49,999		598,289	59,445	10,511	27,332	14,024	154,258	2,564
$50,000 to $99,999		366,768	59,637	4,925	15,075	7,886	76,464	2,010
$100,000 to $199,999		232,001	63,047	2,710	7,785	5,214	33,030	1,432
$200,000 to $499,999		175,152	71,953	2,398	5,037	3,709	18,235	1,020
$500,000 or more		67,935	36,959	2,368	1,908	1,349	7,761	418
SELECTED MACHINERY AND EQUIPMENT								
Trucks, including pickups (see text)	farms	1,783,324	299,424	32,641	73,557	41,389	363,844	8,530
	number	3,512,538	849,438	89,793	137,854	95,416	610,177	22,845
Tractors	farms	1,844,647	309,743	32,380	76,973	38,771	435,475	8,951
	number	4,389,812	1,125,374	99,770	175,266	92,692	894,775	32,071
Less than 40 horsepower (PTO)	farms	910,937	125,170	21,302	48,054	29,222	219,729	6,003
	number	1,280,039	200,005	36,599	72,243	51,569	304,090	11,053
40 to 99 horsepower (PTO)	farms	1,238,101	216,487	19,192	44,221	18,446	289,545	7,568
	number	1,998,508	382,716	39,683	90,710	34,095	426,408	16,025
100 horsepower (PTO) or more	farms	555,941	236,651	7,290	7,384	3,861	94,981	2,646
	number	1,111,265	542,653	23,488	12,313	7,028	164,277	4,993
Grain and bean combines, self-propelled	farms	295,490	207,549	2,505	717	424	23,841	1,330
	number	346,935	246,789	3,148	847	481	27,861	1,530

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
LAND USE - Con.									
Total woodland ....farms	1,882	214,932	276,839	12,287	32,367	9,672	30,317	23,402	82,951
acres	465,323	19,334,039	29,296,577	822,924	2,431,374	587,854	1,616,809	974,036	7,821,251
Woodland pastured ....farms	388	51,059	188,785	6,495	13,453	3,882	13,143	13,241	42,259
acres	41,806	2,847,984	17,472,796	401,511	598,671	161,598	429,488	443,007	4,032,475
Woodland not pastured ....farms	1,683	183,009	144,626	8,284	26,166	7,196	21,780	13,912	52,386
acres	423,517	16,486,055	11,823,781	421,413	1,832,703	426,256	1,187,321	531,029	3,788,776
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ....farms	2,489	158,724	513,197	20,633	37,808	12,311	36,230	45,565	166,059
acres	1,377,283	26,544,289	273,595,629	8,065,459	3,054,266	772,910	1,838,433	9,539,914	48,062,429
Land in house lots, ponds, roads, wasteland, etc. ....farms	3,387	242,557	305,760	19,605	42,181	20,046	42,147	37,413	131,555
acres	262,376	6,636,816	9,122,083	553,669	1,168,627	446,628	660,614	325,787	2,594,644
Irrigated land ....farms	5,267	44,360	49,104	3,619	5,364	2,896	4,158	5,433	20,165
acres	3,654,571	8,605,689	7,752,488	1,039,255	1,425,670	285,036	170,269	188,649	656,498
Harvested cropland ....farms	5,252	41,578	30,406	2,467	4,740	2,045	2,199	1,773	6,035
acres	3,634,632	7,936,132	4,568,320	920,080	1,300,916	253,395	143,566	78,943	255,626
Pastureland and other land ....farms	173	10,557	27,848	1,641	1,354	1,139	2,183	4,201	15,833
acres	19,939	669,557	3,184,168	119,175	124,754	31,641	26,703	109,706	400,872
CONSERVATION PRACTICES AND CROP INSURANCE									
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ....farms	1,765	194,167	36,731	3,053	3,519	3,396	2,911	2,058	6,603
acres	369,077	22,354,198	5,363,264	289,307	141,858	105,160	150,259	133,357	434,732
Land enrolled in crop insurance programs (see text) ....farms	7,843	28,222	39,605	6,234	16,351	6,578	2,503	986	4,076
acres	8,297,982	10,760,623	27,847,308	3,547,113	4,859,086	3,594,966	925,698	887,760	1,870,090
ORGANIC AGRICULTURE									
Land used for organic production (see text) ....farms	24	2,528	1,921	209	1,854	139	842	432	792
acres	11,235	386,567	721,160	31,865	420,795	9,638	26,155	23,246	42,042
Total organic product sales (see text) ....farms	24	2,290	1,398	173	1,617	116	723	312	575
$1,000	5,187	96,101	34,322	9,614	427,729	3,161	119,679	2,375	6,948
VALUE OF LAND AND BUILDINGS									
Estimated market value of land and buildings ....farms	9,968	500,299	656,475	31,065	57,318	30,546	64,570	67,254	245,675
$1,000	21,274,539	231,105,068	445,922,515	27,102,624	75,260,109	27,912,399	39,555,557	20,961,671	106,940,847
Average per farm ....dollars	2,134,284	461,934	679,268	872,449	1,313,027	913,782	612,600	311,679	435,294
Average per acre ....dollars	1,626	2,118	1,185	1,713	3,538	4,017	5,619	1,752	1,622
Farms by value group:									
$1 to $49,999	340	57,332	62,623	2,456	1,996	4,773	6,430	14,508	31,891
$50,000 to $99,999	501	64,920	63,054	2,248	1,772	3,052	6,507	9,371	26,789
$100,000 to $199,999	727	104,502	116,964	5,153	4,369	4,993	11,426	14,973	49,644
$200,000 to $499,999	1,565	156,576	200,655	9,220	13,957	6,856	18,656	19,057	80,333
$500,000 to $999,999	1,764	72,155	117,804	5,288	14,636	3,873	11,298	6,842	39,458
$1,000,000 to $1,999,999	2,025	29,889	56,905	3,344	11,259	3,085	6,451	1,628	12,031
$2,000,000 to $4,999,999	2,069	11,342	27,850	2,478	6,981	2,774	3,117	583	4,127
$5,000,000 to $9,999,999	715	2,394	6,906	696	1,656	947	535	189	959
$10,000,000 or more	262	1,189	3,714	182	692	193	150	103	443
VALUE OF MACHINERY AND EQUIPMENT									
Estimated market value of all machinery and equipment ....farms	9,968	500,190	656,456	31,065	57,315	30,537	64,566	67,248	245,600
$1,000	3,488,806	24,221,975	39,961,084	4,500,992	12,802,344	4,075,627	5,953,240	2,095,629	11,266,243
Farms by value group:									
$1 to $4,999	233	57,814	50,466	1,667	1,513	3,081	6,659	11,641	28,563
$5,000 to $9,999	217	67,448	60,897	2,140	1,539	2,589	6,366	11,196	29,318
$10,000 to $19,999	375	101,767	106,675	3,950	2,708	3,868	9,844	14,601	46,381
$20,000 to $49,999	1,040	150,654	199,891	7,793	7,033	6,635	16,919	18,704	75,744
$50,000 to $99,999	1,243	73,211	126,040	5,533	10,080	4,547	10,754	7,059	38,768
$100,000 to $199,999	1,777	29,821	70,762	4,263	13,988	3,971	7,281	2,640	17,310
$200,000 to $499,999	2,854	14,361	36,378	3,785	14,474	4,169	5,087	1,351	8,576
$500,000 or more	2,229	5,114	5,347	1,934	5,980	1,677	1,656	56	940
SELECTED MACHINERY AND EQUIPMENT									
Trucks, including pickups (see text) ....farms	8,662	346,652	564,263	27,674	48,397	26,163	55,340	53,973	196,659
number	26,580	560,752	1,012,172	59,355	119,772	54,992	108,514	75,234	299,821
Tractors ....farms	8,514	418,010	572,928	27,700	51,681	22,781	50,700	45,200	180,315
number	31,525	831,179	1,184,644	81,512	233,274	58,791	99,985	66,038	277,691
Less than 40 horsepower (PTO) ....farms	1,642	212,084	259,254	12,730	20,831	10,970	28,752	27,969	106,954
number	2,150	290,887	344,456	18,748	34,063	15,021	37,893	34,156	131,196
40 to 99 horsepower (PTO) ....farms	3,784	278,193	419,032	20,705	44,869	14,915	32,031	22,519	96,139
number	6,416	403,967	651,897	37,257	111,005	23,392	51,257	27,784	122,304
100 horsepower (PTO) or more ....farms	7,455	84,880	121,512	11,202	36,167	9,288	6,732	3,335	17,538
number	22,959	136,325	188,291	25,507	88,206	20,378	10,835	4,098	24,191
Grain and bean combines, self-propelled ....farms	2,353	20,158	29,731	5,812	13,196	5,974	2,200	582	2,959
number	2,731	23,600	33,940	6,417	14,418	6,515	2,481	632	3,406

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
SELECTED MACHINERY AND EQUIPMENT - Con.							
Cotton pickers and strippers, self-propelled ..... farms	12,500	3,027	183	51	22	8,656	227
number	18,162	4,125	280	88	39	12,857	294
Forage harvesters, self-propelled ..... farms	60,133	9,882	467	923	226	13,846	221
number	64,191	10,191	530	965	249	15,189	244
Hay balers ..... farms	593,543	93,579	4,706	3,441	1,981	145,606	3,732
number	727,501	112,639	5,474	3,915	2,280	177,208	4,829
FERTILIZERS AND CHEMICALS							
Commercial fertilizer, lime, and soil conditioners ..... farms	1,022,036	313,246	31,815	79,489	33,872	135,038	9,055
acres treated	265,995,497	169,128,131	5,592,233	4,859,572	1,183,849	27,109,247	1,107,029
Manure ..... farms	307,073	60,415	7,082	7,591	3,503	35,305	1,090
acres treated	22,096,315	5,318,810	224,048	226,793	50,461	1,679,503	40,556
Acres treated with chemicals to control-							
Insects ..... farms	354,357	128,427	19,458	57,386	20,575	46,050	6,726
acres	90,947,822	52,648,071	4,332,668	4,832,747	648,217	16,052,074	617,556
Weeds, grass, or brush ..... farms	703,884	252,477	14,423	48,892	23,481	97,148	4,792
acres	226,295,783	157,627,002	3,773,570	3,320,373	938,657	20,861,172	712,352
Nematodes ..... farms	34,992	13,797	2,385	5,645	1,714	6,050	1,243
acres	7,560,158	3,694,195	690,825	405,484	84,164	2,013,444	146,177
Diseases in crops and orchards ..... farms	97,333	30,094	7,535	34,735	8,825	8,385	1,390
acres	22,693,212	14,435,561	1,539,528	2,982,335	241,333	2,355,433	93,497
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms	44,638	6,720	2,053	15,351	1,806	14,957	2,317
acres treated	12,125,799	2,671,622	579,248	1,246,604	25,005	7,291,507	168,582
TENURE							
Full owners ..... farms	1,522,033	128,713	27,345	85,681	44,668	432,955	4,430
Part owners ..... farms	542,192	163,783	8,703	8,558	5,693	69,703	4,155
Tenants ..... farms	140,567	45,741	4,541	4,042	4,528	17,235	1,041
OWNED AND RENTED LAND							
Land owned ..... farms	2,072,101	296,140	36,192	94,400	50,411	504,266	8,610
acres	646,247,118	132,194,138	5,706,233	12,024,394	3,506,868	125,427,695	1,358,644
Owned land in farms ..... farms	2,064,225	292,496	36,048	94,239	50,361	502,658	8,585
acres	571,303,487	118,615,788	5,230,641	10,495,489	3,186,816	93,874,161	1,292,066
Land rented or leased from others ..... farms	689,102	210,979	13,374	12,746	10,297	88,649	5,236
acres	355,918,954	149,472,877	4,243,642	1,734,517	809,022	32,032,425	1,243,986
Rented or leased land in farms ..... farms	682,759	209,524	13,244	12,600	10,221	86,938	5,196
acres	350,792,353	148,215,828	4,042,304	1,646,194	787,714	30,866,605	1,226,631
Land rented or leased to others ..... farms	314,140	64,905	5,005	9,184	5,080	119,750	1,169
acres	80,070,232	14,835,399	676,930	1,617,228	341,360	32,719,354	83,933
NUMBER OF OPERATORS							
Total operators ..... number	3,337,450	488,518	66,196	153,149	90,945	743,495	14,090
Farms by number of operators:							
1 operator	1,273,122	218,839	21,070	54,000	28,158	334,526	6,196
2 operators	786,598	95,820	15,778	37,000	21,314	158,026	2,678
3 operators	112,285	19,028	2,665	5,586	3,731	21,181	587
4 operators	22,529	3,228	606	1,102	960	4,115	126
5 or more operators	10,258	1,322	470	593	726	2,045	39
Total women operators ..... number	1,008,943	89,888	21,078	46,929	30,975	225,942	2,459
Farms by number of women operators:							
1 operator	894,347	82,311	17,760	41,508	25,664	202,631	2,144
2 operators	45,408	2,968	1,248	2,206	1,861	8,808	131
3 operators	5,439	371	183	227	296	1,271	16
4 operators	1,017	65	30	42	64	261	-
5 or more operators	546	35	30	26	58	140	1
PRINCIPAL OPERATOR CHARACTERISTICS							
Sex of operator:							
Male	1,898,583	321,892	33,831	84,405	44,557	436,066	9,128
Female	306,209	16,345	6,758	13,876	10,332	83,827	498
Primary occupation:							
Farming	993,881	222,975	23,322	45,020	25,408	159,949	6,121
Other	1,210,911	115,262	17,267	53,261	29,481	359,944	3,505
Place of residence:							
On farm operated	1,693,362	251,354	32,015	73,171	38,291	344,328	7,537
Not on farm operated	511,430	86,883	8,574	25,110	16,598	175,565	2,089
Days worked off farm:							
None	777,747	148,040	14,938	29,792	18,055	181,451	4,094
Any	1,427,045	190,197	25,651	68,489	36,834	338,442	5,532
1 to 49 days	238,479	38,195	4,374	14,347	6,899	69,479	893
50 to 99 days	115,578	16,651	2,999	7,812	3,834	24,830	519
100 to 199 days	196,687	28,246	4,608	10,834	5,944	39,572	945
200 days or more	876,301	107,105	13,670	35,496	20,157	204,561	3,175
Years on present farm:							
2 years or less	84,883	7,827	2,239	4,124	2,137	20,577	348
3 or 4 years	138,858	11,448	3,334	7,745	3,525	33,318	371
5 to 9 years	359,545	31,704	7,323	19,785	9,958	86,485	963

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
SELECTED MACHINERY AND EQUIPMENT - Con.									
Cotton pickers and strippers, self-propelled ....farms	6,483	1,946	317	8	12	45	142	6	31
number	9,835	2,728	443	13	18	55	195	6	43
Forage harvesters, self-propelled ....farms	107	13,518	18,415	2,321	9,985	488	660	627	2,293
number	115	14,830	19,702	2,380	10,818	495	681	647	2,344
Hay balers ....farms	820	141,054	236,968	14,131	36,858	6,142	12,098	8,282	29,751
number	960	171,419	293,894	17,736	48,023	7,234	14,406	9,678	35,014
FERTILIZERS AND CHEMICALS									
Commercial fertilizer, lime, and soil conditioners ....farms	9,454	116,529	281,170	16,744	43,021	11,565	14,874	12,086	49,116
acres treated	8,829,110	17,173,108	35,265,339	4,527,923	10,037,180	3,625,438	1,555,366	330,936	2,780,283
Manure ....farms	448	33,767	83,971	11,650	38,510	9,175	13,781	6,549	29,541
acres treated	166,266	1,472,681	4,551,280	1,032,158	5,800,128	1,155,927	1,246,991	91,315	718,901
Acres treated with chemicals to control-									
Insects ....farms	9,780	29,544	36,251	5,228	18,075	5,305	5,429	2,167	10,006
acres	8,365,482	7,069,036	5,062,508	1,481,366	3,046,177	1,452,890	634,663	78,911	677,530
Weeds, grass, or brush ....farms	6,613	85,743	159,278	12,196	33,406	9,460	12,808	6,987	33,328
acres	7,051,823	13,096,997	21,555,751	3,758,478	6,590,071	3,785,594	1,541,438	252,727	2,290,950
Nematodes ....farms	1,815	2,992	1,822	425	1,254	533	453	177	737
acres	1,156,454	710,813	177,028	84,650	181,114	118,839	67,790	1,836	40,789
Diseases in crops and orchards ....farms	1,140	5,855	3,354	602	1,301	758	717	180	847
acres	675,411	1,586,525	446,944	157,093	157,789	183,291	95,810	2,287	95,808
Chemicals used to control growth, thin fruit, ripen, or defoliate ....farms	7,391	5,249	2,085	115	514	164	395	85	393
acres treated	5,487,223	1,635,702	145,359	9,746	38,556	28,354	71,540	2,630	15,628
TENURE									
Full owners ....farms	2,819	425,706	427,384	18,490	21,660	20,272	52,660	56,595	205,610
Part owners ....farms	4,886	60,662	190,538	10,847	30,844	8,205	10,278	7,394	27,646
Tenants ....farms	2,263	13,931	38,553	1,728	4,814	2,069	1,632	3,265	12,419
OWNED AND RENTED LAND									
Land owned ....farms	7,832	487,824	619,448	29,421	52,578	28,543	62,985	64,044	233,673
acres	5,325,643	118,743,408	259,247,952	10,331,513	14,421,223	4,212,846	5,669,055	8,097,606	65,407,595
Owned land in farms ....farms	7,705	486,368	617,922	29,337	52,504	28,477	62,938	63,989	233,256
acres	4,690,140	87,891,955	243,678,245	9,429,437	13,962,330	3,739,941	5,181,593	7,361,386	56,547,660
Land rented or leased from others ....farms	7,207	76,206	230,881	12,694	35,808	10,357	12,044	10,746	40,527
acres	8,478,477	22,309,962	134,387,186	6,498,251	7,367,144	3,237,987	1,899,225	4,636,241	9,600,437
Rented or leased land in farms ....farms	7,149	74,593	229,091	12,575	35,658	10,274	11,910	10,659	40,065
acres	8,391,531	21,248,443	132,492,295	6,390,792	7,308,450	3,209,235	1,858,407	4,602,281	9,372,248
Land rented or leased to others ....farms	1,943	116,638	65,987	4,441	3,693	3,796	6,442	5,706	20,151
acres	722,449	31,912,972	17,464,598	1,009,535	517,587	501,657	528,280	770,180	9,088,124
NUMBER OF OPERATORS									
Total operators .... number	14,511	714,894	983,462	49,038	101,601	49,663	107,499	107,670	396,214
Farms by number of operators:									
1 operator	6,451	321,879	382,300	16,614	25,389	15,705	28,471	32,143	115,907
2 operators	2,775	152,573	234,208	11,963	23,058	12,039	31,396	31,163	114,833
3 operators	562	20,032	31,637	1,862	6,652	1,990	3,552	3,003	11,398
4 operators	136	3,853	6,039	426	1,532	561	771	703	2,486
5 or more operators	44	1,962	2,291	200	687	251	380	242	1,051
Total women operators .... number	2,454	221,029	284,714	13,001	26,013	13,972	41,098	45,475	169,858
Farms by number of women operators:									
1 operator	2,172	198,315	256,436	11,686	22,378	12,234	36,289	39,210	146,240
2 operators	108	8,569	11,501	515	1,416	647	1,892	2,615	9,731
3 operators	15	1,240	1,270	75	187	87	246	268	958
4 operators	4	257	231	9	39	20	33	40	183
5 or more operators	1	138	97	4	14	12	25	14	91
PRINCIPAL OPERATOR CHARACTERISTICS									
Sex of operator:									
Male	9,507	417,431	587,148	28,939	53,955	27,823	52,207	49,703	178,057
Female	461	82,868	69,327	2,126	3,363	2,723	12,363	17,551	67,618
Primary occupation:									
Farming	8,121	145,707	291,083	16,105	49,878	15,858	33,334	24,052	86,897
Other	1,847	354,592	365,392	14,960	7,440	14,688	31,236	43,202	158,778
Place of residence:									
On farm operated	5,590	331,201	526,299	26,648	52,133	25,551	58,334	59,823	205,415
Not on farm operated	4,378	169,098	130,176	4,417	5,185	4,995	6,236	7,431	40,260
Days worked off farm:									
None	5,736	171,621	215,388	11,138	38,406	10,372	24,076	18,442	67,649
Any	4,232	328,678	441,087	19,927	18,912	20,174	40,494	48,812	178,026
1 to 49 days	870	67,716	61,197	2,543	4,964	2,502	5,002	5,981	22,996
50 to 99 days	335	23,976	36,913	1,474	1,312	1,305	2,689	3,360	12,399
100 to 199 days	624	38,003	64,726	2,644	2,145	2,502	5,450	6,616	23,400
200 days or more	2,403	198,983	278,251	13,266	10,491	13,865	27,353	32,855	119,231
Years on present farm:									
2 years or less	280	19,949	24,466	943	1,701	1,473	3,213	3,726	12,457
3 or 4 years	450	32,497	38,552	1,656	2,392	2,280	5,716	6,844	22,048
5 to 9 years	1,049	84,473	102,335	4,382	6,466	5,334	13,515	15,627	56,631

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
PRINCIPAL OPERATOR CHARACTERISTICS - Con.							
Years on present farm - Con.							
10 years or more	1,621,506	287,258	27,693	66,627	39,269	379,513	7,944
Average years on present farm	21.6	27.4	19.9	18.8	18.7	21.8	24.3
Age group:							
Under 25 years	11,878	2,770	256	181	169	1,706	126
25 to 34 years	106,735	21,447	2,266	2,607	2,069	17,732	696
35 to 44 years	268,818	40,420	5,247	9,267	6,693	50,988	1,340
45 to 49 years	256,694	40,823	4,966	10,237	7,201	52,462	1,283
50 to 54 years	308,707	49,878	6,089	14,099	9,192	66,950	1,444
55 to 59 years	312,577	48,017	5,952	15,296	9,064	72,554	1,398
60 to 64 years	283,729	40,752	5,236	14,094	7,572	69,702	1,181
65 to 69 years	235,152	33,908	3,992	11,456	5,462	60,156	872
70 years and over	420,502	60,222	6,585	21,044	7,467	127,643	1,286
Average age	57.1	56.1	55.9	59.1	56.0	59.5	54.2
Spanish, Hispanic, or Latino origin (see text)	55,570	1,842	1,385	8,871	2,341	9,219	62
Race:							
American Indian or Alaska Native	34,706	957	2,981	1,304	364	4,421	33
Asian	11,214	305	1,374	4,163	1,472	935	3
Black or African American	30,599	2,398	1,727	836	320	6,405	227
Native Hawaiian or Other Pacific Islander	1,356	32	85	335	118	148	-
White	2,114,325	333,863	34,130	90,742	52,249	505,509	9,306
More than one race reported	12,592	682	292	901	366	2,475	57
Farms by number of persons living in operator's household:							
1 person	275,842	43,320	4,443	11,597	6,218	79,582	1,013
2 people	1,108,995	168,809	18,306	50,468	27,094	274,581	4,328
3 people	330,188	49,243	6,736	14,158	8,395	70,375	1,812
4 people	285,919	44,770	5,889	12,582	7,885	59,772	1,631
5 or more people	203,848	32,095	5,215	9,476	5,297	35,583	842
Percent of operator's total household income from farming:							
Less than 25 percent	1,583,710	135,485	27,762	73,082	36,121	427,346	4,186
25 to 49 percent	174,800	45,712	3,241	7,881	4,791	33,911	1,461
50 to 74 percent	187,421	61,442	3,610	8,394	5,406	30,426	1,691
75 to 99 percent	147,092	57,626	3,085	5,454	4,379	17,729	1,205
100 percent	111,769	37,972	2,891	3,470	4,192	10,481	1,083
Operator is a hired manager ... farms	59,759	11,692	1,780	6,504	4,058	10,835	262
acres	120,672,499	14,886,740	1,804,651	2,528,991	629,746	10,570,180	120,819
Farms with-							
Internet access	1,246,723	212,853	23,446	62,454	37,595	251,629	4,511
High-speed internet access	726,700	130,717	14,333	41,549	25,293	147,689	2,407
Farms by number of households sharing in net income of farm:							
1 household	1,733,827	242,789	31,048	77,772	43,510	416,800	6,450
2 households	356,707	69,909	6,792	14,492	7,988	76,823	2,391
3 households	66,438	15,212	1,468	3,206	1,867	15,010	524
4 households	30,004	6,523	759	1,554	842	7,034	184
5 households or more	17,816	3,804	522	1,257	682	4,226	77
FARMS BY TYPE OF ORGANIZATION							
Family or individual ... farms	1,906,335	279,040	34,183	79,502	39,329	449,380	8,341
acres	574,150,050	180,704,923	3,997,179	5,333,944	2,071,021	85,765,950	1,847,520
Partnership ... farms	174,247	35,317	3,318	9,326	4,410	41,810	1,041
acres	161,416,999	51,392,963	2,251,301	2,247,561	517,991	19,852,656	472,430
Registered under state law ... farms	89,739	18,862	1,937	6,573	3,264	20,794	323
acres	114,284,815	34,590,279	1,893,478	1,982,462	422,534	13,815,327	199,554
Corporation ... farms	96,074	20,420	2,672	7,801	10,365	16,254	224
acres	125,319,810	32,411,345	2,897,149	3,270,930	1,320,945	12,252,435	192,811
Family held ... farms	85,837	19,430	2,346	6,736	9,009	14,028	208
acres	114,264,200	31,282,138	2,474,127	2,592,087	1,136,134	10,762,112	180,912
More than 10 stockholders ... farms	2,041	323	41	235	106	452	-
10 or less stockholders ... farms	83,796	19,107	2,305	6,501	8,903	13,576	208
Other than family held ... farms	10,237	990	326	1,065	1,356	2,226	16
acres	11,055,610	1,129,207	423,022	678,843	184,811	1,490,323	11,899
More than 10 stockholders ... farms	907	63	35	145	52	232	-
10 or less stockholders ... farms	9,330	927	291	920	1,304	1,994	16
Other-cooperative, estate or trust, institutional, etc ... farms	28,136	3,460	416	1,652	785	12,449	20
acres	61,208,981	2,322,385	127,316	1,289,248	64,573	6,869,725	5,936
HIRED FARM LABOR							
Hired farm labor ... farms	482,186	103,753	13,642	36,293	23,615	64,381	5,593
workers	2,636,509	299,298	255,940	613,889	351,064	264,909	43,308
Workers by days worked:							
150 days or more ... farms	201,292	43,660	6,861	16,162	14,599	21,262	1,625
workers	911,439	90,009	84,987	148,705	180,850	70,349	7,454
Less than 150 days ... farms	384,051	82,825	11,566	30,619	17,899	54,821	5,125
workers	1,725,070	209,289	170,953	465,184	170,214	194,560	35,854

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
PRINCIPAL OPERATOR CHARACTERISTICS - Con.									
Years on present farm - Con.									
10 years or more	8,189	363,380	491,122	24,084	46,759	21,459	42,126	41,057	154,539
Average years on present farm	25.4	21.7	22.0	23.2	24.0	19.0	16.9	16.6	16.4
Age group:									
Under 25 years	127	1,453	3,665	241	653	351	276	598	1,012
25 to 34 years	663	16,373	32,076	1,936	5,253	2,510	3,727	3,636	11,476
35 to 44 years	1,354	48,294	76,668	4,380	10,168	6,858	11,875	10,342	35,912
45 to 49 years	1,216	49,963	70,333	4,087	9,189	5,334	9,739	9,004	33,319
50 to 54 years	1,541	63,965	84,620	4,353	9,570	4,857	10,418	9,984	38,697
55 to 59 years	1,330	69,826	88,953	4,309	7,701	3,713	9,381	9,400	38,237
60 to 64 years	1,163	67,358	85,763	3,687	5,736	2,820	7,621	8,285	32,461
65 to 69 years	957	58,327	75,527	2,985	3,661	1,903	5,585	6,711	23,806
70 years and over	1,617	124,740	138,870	5,087	5,387	2,200	5,948	9,294	30,755
Average age	55.2	59.7	57.8	55.4	51.6	50.5	53.1	54.8	55.1
Spanish, Hispanic, or Latino origin (see text)	319	8,838	19,185	494	581	478	1,831	2,676	6,667
Race:									
American Indian or Alaska Native	39	4,349	13,251	268	210	330	875	4,468	5,277
Asian	26	906	1,105	40	34	80	928	211	567
Black or African American	191	5,987	14,102	192	165	666	726	746	2,316
Native Hawaiian or Other Pacific Islander	2	146	326	14	5	32	36	83	142
White	9,656	486,547	623,174	30,402	56,764	29,267	61,476	61,212	235,537
More than one race reported	54	2,364	4,517	149	140	171	529	534	1,836
Farms by number of persons living in operator's household:									
1 person	1,140	77,429	79,470	3,035	4,496	2,391	5,227	7,358	28,705
2 people	5,041	265,212	346,086	14,927	19,703	10,806	27,414	30,481	120,320
3 people	1,585	66,978	98,781	4,810	9,654	5,224	11,280	11,335	40,197
4 people	1,411	56,730	80,507	4,338	8,845	6,146	10,787	10,331	34,067
5 or more people	791	33,950	51,631	3,955	14,620	5,979	9,862	7,749	22,386
Percent of operator's total household income from farming:									
Less than 25 percent	3,074	420,086	511,534	20,243	13,498	18,635	40,936	61,339	217,729
25 to 49 percent	1,024	31,426	55,004	2,675	4,345	2,209	3,790	2,237	9,004
50 to 74 percent	1,711	27,024	46,498	3,061	7,881	3,398	6,592	2,031	8,682
75 to 99 percent	2,330	14,194	27,266	2,868	12,408	3,350	6,841	880	5,206
100 percent	1,829	7,569	16,173	2,218	19,186	2,954	6,411	767	5,054
Operator is a hired manager ....farms	597	9,976	11,389	1,113	2,602	1,478	2,070	839	5,399
acres	1,100,730	9,348,631	54,237,710	1,996,776	1,629,154	680,400	439,596	1,036,781	30,231,774
Farms with-									
Internet access	6,413	240,705	339,946	19,022	31,286	20,921	41,736	43,390	162,445
High-speed internet access	4,393	140,889	182,405	10,655	16,172	12,313	22,860	23,806	98,908
Farms by number of households sharing in net income of farm:									
1 household	6,792	403,558	515,064	23,728	39,475	23,568	51,986	57,246	210,841
2 households	2,199	72,233	113,292	5,465	12,244	4,926	9,380	7,948	27,448
3 households	565	13,921	16,998	1,091	3,498	1,138	1,704	1,151	4,095
4 households	279	6,571	7,523	458	1,215	542	883	605	2,066
5 households or more	133	4,016	3,598	323	886	372	617	304	1,225
FARMS BY TYPE OF ORGANIZATION									
Family or individual ....farms	7,108	433,931	592,845	26,631	45,128	25,373	57,487	62,712	214,725
acres	7,652,931	76,265,499	233,399,703	8,859,141	13,213,564	4,235,508	5,235,657	7,548,482	23,784,978
Partnership ....farms	1,905	38,864	44,918	2,545	8,425	2,341	3,452	3,323	15,062
acres	3,920,571	15,459,655	66,946,957	3,426,192	5,095,834	1,056,189	840,142	2,578,806	5,210,407
Registered under state law ....farms	1,390	19,081	19,218	1,322	5,606	1,391	1,848	1,125	7,799
acres	3,121,456	10,494,317	48,559,767	2,385,005	3,872,005	683,716	552,876	1,945,570	3,581,796
Corporation ....farms	869	15,161	14,265	1,703	3,487	2,648	3,320	837	12,302
acres	1,392,142	10,667,482	57,431,276	3,345,881	2,667,614	1,589,591	908,494	1,630,733	5,593,417
Family held ....farms	795	13,025	13,039	1,478	3,334	2,268	2,921	714	10,534
acres	1,115,735	9,465,465	51,690,517	3,055,059	2,566,031	1,413,850	808,493	1,598,867	4,884,785
More than 10 stockholders ....farms	8	444	364	45	48	82	127	9	209
10 or less stockholders ....farms	787	12,581	12,675	1,433	3,286	2,186	2,794	705	10,325
Other than family held ....farms	74	2,136	1,226	225	153	380	399	123	1,768
acres	276,407	1,202,017	5,740,759	290,822	101,583	175,741	100,001	31,866	708,632
More than 10 stockholders ....farms	8	224	62	27	13	65	131	8	74
10 or less stockholders ....farms	66	1,912	1,164	198	140	315	268	115	1,694
Other-cooperative, estate or trust, institutional, etc ....farms	86	12,343	4,447	186	278	184	311	382	3,586
acres	116,027	6,747,762	18,392,604	189,015	293,768	67,888	55,707	205,646	31,331,106
HIRED FARM LABOR									
Hired farm labor ....farms	5,329	53,459	128,782	9,572	30,994	9,016	16,688	8,004	37,446
workers	24,710	196,891	338,934	51,429	176,242	48,393	85,012	21,073	130,326
Workers by days worked:									
150 days or more ....farms	4,034	15,603	38,450	4,639	23,139	5,101	9,148	1,870	16,401
workers	11,866	51,029	79,737	25,020	111,651	26,061	40,150	4,002	49,918
Less than 150 days ....farms	3,733	45,963	107,132	7,132	18,783	6,399	11,598	6,998	28,279
workers	12,844	145,862	259,197	26,409	64,591	22,332	44,862	17,071	80,408

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
HIRED FARM LABOR - Con.							
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	4,084	3,517	9,692	3,521	6,232	2,177
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	580	196	3,399	328	1,151	244
FARMS BY SIZE							
1 to 9 acres	232,849	4,667	11,369	30,224	21,018	14,282	874
10 to 49 acres	620,283	34,446	14,476	38,562	19,774	162,913	1,978
50 to 69 acres	153,862	12,987	2,619	5,992	3,299	50,201	747
70 to 99 acres	192,043	22,263	2,483	5,853	2,965	64,277	893
100 to 139 acres	175,146	21,826	1,916	4,424	2,296	52,731	1,008
140 to 179 acres	139,479	22,875	1,222	2,948	1,296	42,942	698
180 to 219 acres	87,502	15,159	727	1,911	827	23,037	581
220 to 259 acres	68,313	13,985	547	1,368	582	16,865	370
260 to 499 acres	212,553	55,289	1,696	3,498	1,490	46,005	1,168
500 to 999 acres	149,713	56,678	1,439	1,926	850	25,051	752
1,000 to 1,999 acres	92,656	44,392	1,098	908	307	13,042	398
2,000 acres or more	80,393	33,670	997	667	185	8,547	159
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)							
Oilseed and grain farming (1111)	338,237	338,237	-	-	-	-	-
Vegetable and melon farming (1112)	40,589	-	40,589	-	-	-	-
Fruit and tree nut farming (1113)	98,281	-	-	98,281	-	-	-
Greenhouse, nursery, and floriculture production (1114)	54,889	-	-	-	54,889	-	-
Other crop farming (1119)	519,893	-	-	-	-	519,893	9,626
Tobacco farming (11191)	9,626	-	-	-	-	9,626	9,626
Cotton farming (11192)	9,968	-	-	-	-	9,968	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	-	-	-	-	500,299	-
Beef cattle ranching and farming (112111)	656,475	-	-	-	-	-	-
Cattle feedlots (112112)	31,065	-	-	-	-	-	-
Dairy cattle and milk production (11212)	57,318	-	-	-	-	-	-
Hog and pig farming (1122)	30,546	-	-	-	-	-	-
Poultry and egg production (1123)	64,570	-	-	-	-	-	-
Sheep and goat farming (1124)	67,254	-	-	-	-	-	-
Animal aquaculture and other animal production (1125, 1129)	245,675	-	-	-	-	-	-
FARM TYPOLOGY (SEE TEXT)							
Small family farms:							
Limited resource farms ..... farms	308,837	23,287	7,854	10,705	7,558	80,598	1,359
acres	42,419,764	4,342,927	284,535	381,151	252,138	10,480,147	128,537
Retirement farms ..... farms	456,093	43,618	7,330	24,019	9,947	138,910	1,390
acres	89,580,775	11,145,214	401,847	1,176,387	511,988	24,969,708	220,923
Residential/lifestyle farms ..... farms	801,844	82,301	11,245	33,212	17,431	209,913	2,514
acres	121,143,585	17,987,456	475,627	1,469,019	711,887	29,796,286	250,802
Farming occupation/lower sales ..... farms	258,899	45,866	6,456	11,034	6,606	46,405	2,124
acres	87,190,445	15,501,346	371,064	655,046	297,224	12,245,090	326,325
Farming occupation/higher sales ..... farms	100,126	46,832	1,339	3,527	2,569	7,374	896
acres	104,081,344	37,931,057	270,655	548,179	203,948	6,139,555	340,453
Large family farms ..... farms	86,551	43,988	1,129	3,319	2,084	5,674	593
acres	123,024,138	58,772,162	476,980	747,656	249,001	7,968,630	426,063
Very large family farms ..... farms	101,265	36,985	3,007	4,056	3,277	6,912	464
acres	211,224,012	103,759,574	4,959,876	3,154,889	991,035	17,988,578	689,909
Non-family farms ..... farms	91,177	15,360	2,229	8,409	5,417	24,107	286
acres	143,431,777	17,391,880	2,032,361	4,009,356	757,309	15,152,772	135,685
LIVESTOCK							
Cattle and calves inventory ..... farms	963,669	90,587	6,065	6,413	2,426	71,399	3,913
number	96,347,858	9,150,124	258,974	347,713	95,010	3,335,111	254,429
Farms with-							
1 to 9	233,078	10,489	3,075	2,817	1,108	24,291	521
10 to 49	415,493	35,951	2,221	2,564	946	32,761	1,975
50 to 99	135,117	18,250	351	526	188	7,213	783
100 to 199	91,193	14,179	183	243	118	3,965	407
200 to 499	59,234	8,987	138	158	41	2,401	183
500 or more	29,554	2,731	97	105	25	768	44
Cows and heifers that had calved ..... farms	818,992	74,776	4,608	5,226	1,914	58,678	3,663
number	42,101,375	4,173,057	143,983	210,331	56,657	1,718,157	145,824
Beef cows ..... farms	764,984	73,449	4,366	5,132	1,846	58,153	3,627
number	32,834,801	4,093,623	134,586	208,789	55,984	1,697,988	(D)
Farms with-							
1 to 9	246,863	11,749	2,431	2,475	919	24,952	660
10 to 49	360,845	36,708	1,499	2,017	711	25,416	2,137
50 to 99	84,253	13,493	193	325	123	4,403	562
100 to 199	43,575	7,850	108	145	51	2,146	192
200 to 499	23,635	3,284	104	107	28	1,028	60
500 or more	5,813	365	31	63	14	208	16

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
HIRED FARM LABOR - Con.									
Migrant farm labor on farms with hired labor (see text) ....farms	483	3,572	6,133	425	1,713	293	848	443	1,883
Migrant farm labor on farms reporting only contract labor (see text) ....farms	42	865	1,649	63	57	42	142	146	735
FARMS BY SIZE									
1 to 9 acres	63	13,345	46,553	3,350	1,662	7,410	13,456	20,810	58,048
10 to 49 acres	452	160,483	169,124	7,679	4,760	9,144	25,860	29,379	104,166
50 to 69 acres	205	49,249	50,498	2,034	2,312	1,533	4,674	4,070	13,643
70 to 99 acres	291	63,093	64,244	2,614	4,046	1,817	4,972	3,804	12,705
100 to 139 acres	383	51,340	60,575	2,470	4,842	1,494	4,081	2,813	15,678
140 to 179 acres	445	41,799	45,644	1,804	4,831	1,070	2,375	1,686	10,786
180 to 219 acres	240	22,216	30,949	1,236	4,247	827	1,719	912	5,951
220 to 259 acres	226	16,269	23,471	1,047	4,033	683	1,272	566	3,894
260 to 499 acres	1,172	43,665	69,475	3,200	14,505	2,446	3,372	1,314	10,263
500 to 999 acres	2,041	22,258	42,299	2,537	8,405	2,363	1,850	768	5,547
1,000 to 1,999 acres	2,416	10,228	23,479	1,611	2,801	1,334	692	389	2,603
2,000 acres or more	2,034	6,354	30,164	1,483	874	425	247	743	2,391
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)									
Oilseed and grain farming (1111)	-	-	-	-	-	-	-	-	-
Vegetable and melon farming (1112)	-	-	-	-	-	-	-	-	-
Fruit and tree nut farming (1113)	-	-	-	-	-	-	-	-	-
Greenhouse, nursery, and floriculture production (1114)	-	-	-	-	-	-	-	-	-
Other crop farming (1119)	9,968	500,299	-	-	-	-	-	-	-
Tobacco farming (11191)	-	-	-	-	-	-	-	-	-
Cotton farming (11192)	9,968	-	-	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	-	500,299	-	-	-	-	-	-	-
Beef cattle ranching and farming (112111)	-	-	656,475	-	-	-	-	-	-
Cattle feedlots (112112)	-	-	-	31,065	-	-	-	-	-
Dairy cattle and milk production (11212)	-	-	-	-	57,318	-	-	-	-
Hog and pig farming (1122)	-	-	-	-	-	30,546	-	-	-
Poultry and egg production (1123)	-	-	-	-	-	-	64,570	-	-
Sheep and goat farming (1124)	-	-	-	-	-	-	-	67,254	-
Animal aquaculture and other animal production (1125, 1129)	-	-	-	-	-	-	-	-	245,675
FARM TYPOLOGY (SEE TEXT)									
Small family farms:									
Limited resource farms ....farms	452	78,787	102,217	3,266	3,490	3,378	8,183	15,047	43,254
acres	95,951	10,255,659	19,713,055	424,678	456,686	175,195	354,872	1,025,546	4,528,834
Retirement farms ....farms	722	136,798	156,798	5,449	2,724	2,246	7,030	12,311	45,711
acres	274,498	24,474,287	41,737,702	989,541	575,153	166,558	407,754	1,214,387	6,284,536
Residential/lifestyle farms ....farms	1,125	206,274	260,914	11,154	4,821	10,134	19,797	30,703	110,219
acres	329,630	29,215,854	55,211,773	1,385,819	525,268	434,547	784,511	1,926,686	10,434,706
Farming occupation/lower sales ....farms	1,031	43,250	86,274	3,361	5,912	2,522	4,548	7,347	32,568
acres	374,207	11,544,558	49,306,917	896,171	999,145	194,920	237,110	1,844,456	4,641,956
Farming occupation/higher sales ....farms	1,644	4,834	16,484	1,481	16,208	1,234	1,030	305	1,743
acres	1,466,315	4,332,787	50,504,343	1,244,537	4,120,807	266,451	101,091	1,933,208	817,513
Large family farms ....farms	1,791	3,290	9,965	1,493	11,238	2,126	4,240	145	1,150
acres	2,682,085	4,860,482	45,164,271	1,699,767	4,665,253	557,824	501,608	1,372,199	848,787
Very large family farms ....farms	2,482	3,966	7,558	3,527	10,065	7,068	17,163	116	1,531
acres	6,589,703	10,708,966	52,904,858	7,014,763	8,107,467	4,360,999	4,106,147	1,509,951	2,365,875
Non-family farms ....farms	721	23,100	16,265	1,334	2,860	1,838	2,579	1,280	9,499
acres	1,269,282	13,747,805	61,627,621	2,164,953	1,821,001	792,682	546,907	1,137,234	35,997,701
LIVESTOCK									
Cattle and calves inventory ....farms	1,813	65,673	626,186	29,034	57,094	10,404	23,917	10,984	29,160
number	215,221	2,865,461	48,458,055	16,074,501	15,757,857	515,827	1,164,650	225,798	964,238
Farms with-									
1 to 9	169	23,601	141,084	6,829	3,567	4,663	10,230	7,254	17,671
10 to 49	694	30,092	300,299	10,010	8,536	3,418	7,623	2,951	8,213
50 to 99	374	6,056	85,725	3,179	14,116	1,007	2,789	407	1,366
100 to 199	252	3,306	50,436	2,438	15,876	689	1,964	185	917
200 to 499	248	1,970	32,789	2,808	9,539	477	1,115	142	639
500 or more	76	648	15,853	3,770	5,460	150	196	45	354
Cows and heifers that had calved ....farms	1,625	53,390	546,317	17,392	56,890	7,594	18,930	7,507	19,160
number	99,724	1,472,609	24,324,712	911,686	9,204,724	208,748	653,595	121,912	373,813
Beef cows ....farms	1,624	52,902	543,517	17,271	9,564	7,299	18,383	7,389	18,615
number	(D)	1,453,200	24,170,087	906,594	276,868	196,408	619,978	121,396	352,500
Farms with-									
1 to 9	235	24,057	164,537	6,269	4,394	3,761	8,082	5,101	12,193
10 to 49	762	22,517	267,778	7,202	3,666	2,470	6,545	1,863	4,970
50 to 99	326	3,515	59,387	1,673	902	595	2,181	206	772
100 to 199	191	1,763	29,755	1,093	419	349	1,135	119	405
200 to 499	101	867	17,341	777	155	112	393	85	221
500 or more	9	183	4,719	257	28	12	47	15	54

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
LIVESTOCK - Con.							
Cattle and calves inventory - Con.							
Cows and heifers that had calved - Con.							
Milk cows ..... farms	69,890	2,006	398	159	109	1,022	77
number	9,266,574	79,434	9,397	1,542	673	20,169	(D)
Farms with-							
1 to 9	14,426	626	355	144	106	712	63
10 to 49	19,912	753	17	9	2	199	8
50 to 99	18,986	443	11	1	-	67	5
100 to 199	8,975	161	7	3	-	32	1
200 to 499	4,307	23	3	2	-	9	-
500 or more	3,284	-	5	-	1	3	-
Other cattle (see text) ..... farms	788,633	78,131	4,352	4,663	1,769	55,926	3,146
number	54,246,483	4,977,067	114,991	137,382	38,353	1,616,954	108,605
Cattle and calves sold ..... farms	798,290	78,777	3,445	3,872	1,542	44,425	3,308
number	74,071,936	4,724,440	120,738	168,924	43,526	1,386,947	109,524
$1,000	61,209,970	3,520,313	77,476	98,681	26,054	889,878	58,924
Calves weighing less than 500 pounds ..... farms	414,324	26,752	1,683	2,125	823	19,587	2,132
number	13,695,252	807,265	44,175	66,917	21,322	361,726	38,867
Cattle, including calves weighing 500 pounds or more ..... farms	681,126	70,296	2,675	3,098	1,244	38,027	2,697
number	60,376,684	3,917,175	76,563	102,007	22,204	1,025,221	70,657
Cattle on feed (see text) ..... farms	76,396	17,539	276	246	134	4,500	127
number	27,595,928	913,915	5,794	5,448	1,146	106,561	2,690
Hogs and pigs inventory ..... farms	75,442	9,001	1,359	708	387	4,720	180
number	67,786,318	4,013,860	34,151	14,566	5,770	374,767	18,364
Farms with-							
1 to 24	45,047	2,753	1,194	655	363	3,900	113
25 to 49	4,292	686	113	30	14	276	12
50 to 99	3,182	766	31	6	5	166	13
100 to 199	2,590	791	8	5	1	125	22
200 to 499	4,524	1,675	4	4	2	111	14
500 or more	15,807	2,330	9	8	2	142	6
Used or to be used for breeding ..... farms	32,867	4,289	661	301	134	2,063	109
number	6,290,610	270,233	5,823	2,830	723	38,788	1,906
Other hogs and pigs ..... farms	66,441	8,356	1,072	554	326	4,006	154
number	61,495,708	3,743,627	28,328	11,736	5,047	335,979	16,458
Hogs and pigs sold ..... farms	74,789	9,885	1,169	608	331	4,427	146
number	206,807,181	8,608,364	80,005	21,021	16,174	805,770	40,687
$1,000	18,056,981	857,823	6,109	1,540	963	84,997	4,458
Sheep and lambs inventory ..... farms	83,134	6,013	2,403	1,780	759	5,695	76
number	5,819,162	402,660	44,015	79,524	10,017	249,914	1,715
Ewes 1 year old or older ..... farms	68,222	5,419	1,356	1,330	571	4,323	65
number	3,516,409	266,093	21,827	36,354	6,232	147,748	1,001
Sheep and lambs sold ..... farms	53,268	4,974	803	730	355	2,936	47
number	4,579,608	337,521	14,562	40,923	5,209	153,802	988
Horses and ponies inventory ..... farms	575,942	28,755	6,236	8,478	3,536	85,203	1,146
number	4,028,827	150,598	27,019	40,551	15,402	431,668	6,323
Owned ..... farms	501,528	21,953	5,035	6,507	2,624	70,719	871
number	3,224,964	111,453	20,449	28,306	10,637	329,439	4,632
Horses and ponies sold ..... farms	133,472	3,297	761	889	414	9,791	127
number	506,503	13,194	1,856	2,537	1,010	25,744	369
Owned ..... farms	106,050	2,199	495	520	235	5,930	84
number	400,845	9,534	1,067	1,243	563	13,530	227
Goats, all inventory ..... farms	144,466	4,337	3,192	2,853	1,269	12,472	232
number	3,140,529	95,111	33,968	36,907	12,994	167,529	4,881
Goats sold ..... farms	61,748	1,747	876	836	374	3,232	90
number	1,387,576	33,638	8,830	13,710	4,753	51,477	1,562
POULTRY							
Layers inventory (see text) ..... farms	145,615	6,192	5,122	4,615	2,181	13,112	254
number	349,772,508	855,345	222,731	156,667	59,173	619,363	106,795
Farms with-							
1 to 399	140,844	6,125	5,085	4,592	2,174	13,076	250
400 to 3,199	785	47	34	21	6	23	1
3,200 to 9,999	626	6	1	1	1	2	1
10,000 to 19,999	1,373	7	2	-	-	4	-
20,000 to 49,999	1,292	3	-	1	-	5	1
50,000 to 99,999	261	3	-	-	-	2	1
100,000 or more	434	1	-	-	-	-	-
Pullets for laying flock replacement inventory ..... farms	22,514	689	779	611	300	1,531	39
number	105,876,529	262,631	94,797	328,240	(D)	584,112	55,483
Layers sold ..... farms	24,971	710	969	659	370	1,592	36
number	194,955,057	838,794	90,477	68,713	40,482	332,320	86,096
Pullets for laying flock replacement sold (see text) ..... farms	4,169	78	105	68	34	141	5
number	161,354,686	309,223	(D)	(D)	(D)	363,148	97,803

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
LIVESTOCK - Con.									
Cattle and calves inventory - Con.									
Cows and heifers that had calved - Con.									
Milk cows ....farms	3	942	6,893	215	56,725	403	769	197	994
number	(D)	19,409	154,625	5,092	8,927,856	12,340	33,617	516	21,313
Farms with-									
1 to 9	1	648	4,484	142	6,324	228	382	189	734
10 to 49	1	190	1,405	36	17,133	83	151	8	116
50 to 99	1	61	676	25	17,517	60	123	-	63
100 to 199	-	31	255	5	8,336	24	86	-	66
200 to 499	-	9	60	7	4,156	7	25	-	15
500 or more	-	3	13	-	3,259	1	2	-	-
Other cattle (see text) ....farms	1,574	51,206	506,871	26,554	52,553	8,215	18,994	8,153	22,452
number	115,497	1,392,852	24,133,343	15,162,815	6,553,133	307,079	511,055	103,886	590,425
Cattle and calves sold ....farms	1,476	39,641	548,361	31,065	51,686	5,314	11,490	3,277	15,036
number	92,937	1,184,486	34,519,586	26,099,396	5,502,920	305,642	568,766	74,160	556,891
$1,000	53,820	777,133	24,118,758	28,774,232	2,586,343	248,740	350,350	47,474	471,671
Calves weighing less than 500 pounds ....farms	849	16,606	299,736	5,416	40,252	2,102	7,794	1,458	6,596
number	29,839	293,020	8,749,522	170,859	3,110,772	57,977	199,224	19,466	86,027
Cattle, including calves weighing 500 pounds or more ....farms	1,235	34,095	460,339	31,065	46,162	4,491	9,307	2,465	11,957
number	63,098	891,466	25,770,064	25,928,537	2,392,148	247,665	369,542	54,694	470,864
Cattle on feed (see text) ....farms	20	4,353	13,441	31,064	4,882	1,255	507	244	2,308
number	948	102,923	664,724	25,309,552	191,986	112,374	25,153	4,001	255,274
Hogs and pigs inventory ....farms	68	4,472	12,841	1,591	3,210	27,279	4,299	2,121	7,926
number	2,315	354,088	575,243	686,907	226,515	58,833,386	790,323	12,309	2,218,521
Farms with-									
1 to 24	41	3,746	10,959	870	2,394	10,526	3,806	2,043	5,584
25 to 49	16	248	702	81	265	1,592	101	48	384
50 to 99	6	147	450	64	168	1,144	63	23	296
100 to 199	3	100	276	74	133	880	23	5	269
200 to 499	1	96	242	151	142	1,679	44	1	469
500 or more	1	135	212	351	108	11,458	262	1	924
Used or to be used for breeding ....farms	45	1,909	5,455	491	1,468	12,236	1,670	725	3,374
number	621	36,261	57,958	32,548	27,444	5,625,321	75,106	2,843	150,993
Other hogs and pigs ....farms	57	3,795	10,854	1,525	2,812	24,878	3,455	1,729	6,874
number	1,694	317,827	517,285	654,359	199,071	53,208,065	715,217	9,466	2,067,528
Hogs and pigs sold ....farms	60	4,221	12,054	1,933	2,882	30,104	2,494	1,717	7,185
number	5,058	760,025	1,076,184	1,448,895	466,393	186,451,005	2,744,752	21,439	5,067,179
$1,000	519	80,020	105,363	162,881	42,603	16,049,472	212,580	1,892	530,757
Sheep and lambs inventory ....farms	52	5,567	16,159	992	1,957	1,735	4,998	31,991	8,652
number	14,305	233,894	1,219,409	98,247	56,459	48,737	61,878	3,264,922	283,380
Ewes 1 year old or older ....farms	40	4,218	12,637	867	1,594	1,276	3,862	28,576	6,411
number	9,613	137,134	786,011	41,250	34,310	31,333	35,855	1,940,642	168,754
Sheep and lambs sold ....farms	34	2,855	10,053	801	1,137	1,010	1,548	24,650	4,271
number	8,090	144,724	835,952	62,444	34,350	41,155	18,742	2,831,153	203,795
Horses and ponies inventory ....farms	639	83,418	183,334	8,279	12,748	7,573	25,247	22,732	183,821
number	3,624	421,721	1,007,868	43,300	76,290	36,821	137,131	95,535	1,966,644
Owned ....farms	515	69,333	153,008	6,972	10,330	6,605	22,457	19,709	175,609
number	2,743	322,064	795,228	33,286	61,191	30,123	111,156	76,763	1,616,933
Horses and ponies sold ....farms	60	9,604	25,443	1,059	2,015	854	2,446	2,308	84,195
number	285	25,090	86,494	3,243	5,165	1,934	6,945	6,355	352,026
Owned ....farms	43	5,803	17,669	734	1,503	525	1,249	1,149	73,842
number	205	13,098	60,522	2,232	3,836	1,135	3,451	2,890	300,842
Goats, all inventory ....farms	155	12,085	33,393	1,479	2,662	3,456	13,272	41,970	24,111
number	12,360	150,288	758,258	17,944	34,522	43,720	150,190	1,538,321	251,065
Goats sold ....farms	89	3,053	12,136	563	795	1,116	3,155	29,968	6,950
number	5,230	44,685	294,396	7,062	13,242	14,565	28,945	825,829	91,129
POULTRY									
Layers inventory (see text) ....farms	33	12,825	34,042	2,566	6,923	3,508	38,243	11,107	18,004
number	904	511,664	1,221,210	61,472	508,669	544,001	343,284,166	178,009	2,061,702
Farms with-									
1 to 399	33	12,793	33,961	2,557	6,817	3,470	34,031	11,099	17,857
400 to 3,199	-	22	52	9	83	19	399	8	84
3,200 to 9,999	-	1	17	-	16	4	555	-	23
10,000 to 19,999	-	4	5	-	6	10	1,317	-	22
20,000 to 49,999	-	4	5	-	1	3	1,263	-	11
50,000 to 99,999	-	1	1	-	-	1	253	-	1
100,000 or more	-	-	1	-	-	1	425	-	6
Pullets for laying flock replacement inventory ....farms	4	1,488	4,343	300	1,139	490	8,045	1,658	2,629
number	45	528,584	871,066	(D)	382,933	804,359	101,119,018	27,181	1,271,633
Layers sold ....farms	4	1,552	4,151	425	1,104	602	9,285	1,836	3,268
number	59	246,165	708,339	19,753	694,666	278,365	190,834,257	62,626	986,265
Pullets for laying flock replacement sold (see text) ....farms	-	136	390	32	129	67	2,524	212	389
number	-	265,345	650,069	43,588	531,609	1,289,479	155,478,862	9,531	1,990,805

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
POULTRY - Con.							
Broilers and other meat-type chickens sold ..... farms	27,091	852	547	192	174	840	18
..... number	8,914,828,122	5,955,300	1,264,043	417,850	148,435	6,205,672	(D)
Farms with-							
1 to 1,999	9,743	807	534	188	166	804	15
2,000 to 59,999	618	22	8	1	7	18	2
60,000 to 99,999	623	2	1	1	-	2	-
100,000 or more	16,107	21	4	2	1	16	1
Turkeys inventory (see text) ..... farms	17,226	488	595	485	205	1,069	28
..... number	107,173,804	544,728	(D)	111,282	(D)	210,985	182
Turkeys sold (see text) ..... farms	8,284	251	276	128	106	441	6
..... number	295,793,159	662,594	11,109	(D)	(D)	328,773	(D)
CROPS HARVESTED							
Barley for grain ..... farms	19,848	9,971	584	52	26	2,271	32
..... acres	3,521,957	2,511,990	178,096	3,581	659	296,151	634
..... bushels	207,089,232	136,663,792	17,706,159	219,499	45,221	24,511,526	38,950
Irrigated ..... farms	4,241	1,427	356	18	3	1,261	-
..... acres	741,475	270,918	145,232	1,483	182	204,136	-
Farms by acres harvested:							
1 to 24 acres	5,742	1,423	158	25	16	769	23
25 to 99 acres	5,405	2,229	133	17	9	715	8
100 to 249 acres	4,469	2,977	123	7	1	457	1
250 to 499 acres	2,552	2,005	70	2	-	216	-
500 acres or more	1,680	1,337	100	1	-	114	-
Corn for grain ..... farms	347,760	242,999	3,355	766	608	17,644	1,818
..... acres	86,248,542	71,977,023	464,703	46,553	41,157	2,102,946	187,784
..... bushels	12,738,519,330	10,764,791,556	67,757,738	6,054,305	5,109,741	264,118,324	16,256,702
Irrigated ..... farms	38,911	28,097	1,000	189	87	3,637	89
..... acres	13,156,769	10,909,318	201,264	20,958	7,070	667,273	4,222
Farms by acres harvested:							
1 to 24 acres	68,008	32,010	1,777	480	362	7,439	741
25 to 99 acres	101,672	68,454	638	170	154	4,952	517
100 to 249 acres	78,166	58,321	436	74	53	2,886	329
250 to 499 acres	50,807	41,613	254	24	24	1,445	166
500 acres or more	49,107	42,601	250	18	15	922	65
Corn for silage or greenchop ..... farms	84,317	18,917	661	272	117	5,599	328
..... acres	5,979,661	1,265,809	79,052	31,493	4,120	387,457	8,618
..... tons	104,224,795	22,176,827	1,859,288	826,163	71,496	7,984,311	107,934
Irrigated ..... farms	9,664	2,603	274	196	23	1,561	6
..... acres	1,497,288	370,772	60,488	29,438	2,404	246,028	48
Farms by acres harvested:							
1 to 24 acres	34,207	8,809	340	112	94	2,908	237
25 to 99 acres	34,878	7,168	156	83	10	1,746	77
100 to 249 acres	10,855	2,027	84	49	8	619	11
250 to 499 acres	2,859	564	38	15	5	208	2
500 acres or more	1,518	349	43	13	-	118	1
Cotton, all ..... farms	18,605	3,929	452	130	20	13,282	243
..... acres	10,493,238	1,608,070	208,184	33,164	4,792	8,410,537	89,735
..... bales	18,898,128	2,735,063	502,937	87,343	8,547	15,220,455	106,815
Irrigated ..... farms	8,776	1,635	324	106	11	6,455	22
..... acres	4,035,610	583,590	137,582	27,710	1,820	3,230,547	2,595
Farms by acres harvested:							
1 to 24 acres	961	130	31	11	2	683	10
25 to 99 acres	3,043	684	62	33	7	2,050	48
100 to 249 acres	3,886	1,028	115	41	5	2,502	55
250 to 499 acres	3,738	994	121	29	3	2,441	61
500 acres or more	6,977	1,093	123	16	3	5,606	69
Dry edible beans, excluding limas ..... farms	6,236	4,564	433	72	12	774	-
..... acres	1,455,549	1,199,151	56,536	4,162	(D)	153,908	-
..... cwt	25,353,900	20,231,632	1,164,479	95,457	(D)	3,009,046	-
Irrigated ..... farms	2,456	1,361	323	58	9	503	-
..... acres	353,503	229,934	34,180	3,908	9	61,469	-
Farms by acres harvested:							
1 to 24 acres	818	332	222	33	12	124	-
25 to 99 acres	1,709	1,192	77	26	-	269	-
100 to 249 acres	1,856	1,454	61	12	-	227	-
250 to 499 acres	1,066	902	43	-	-	94	-
500 acres or more	787	684	30	1	-	60	-
Oats for grain ..... farms	42,558	15,132	717	165	112	4,961	135
..... acres	1,509,149	674,414	54,679	4,928	2,844	144,378	3,094
..... bushels	89,508,669	40,321,677	3,870,686	396,233	149,073	8,327,795	185,208
Irrigated ..... farms	1,620	458	88	30	7	453	6
..... acres	78,214	23,946	7,114	1,931	230	22,874	9
Farms by acres harvested:							
1 to 24 acres	27,044	8,760	443	119	82	3,424	96
25 to 99 acres	12,167	4,633	128	38	22	1,224	31
100 to 249 acres	2,643	1,339	80	4	7	258	8
250 to 499 acres	552	306	44	3	1	46	-
500 acres or more	152	94	22	1	-	9	-
Peanuts for nuts ..... farms	6,182	747	256	68	25	4,594	142
..... acres	1,200,564	90,649	59,756	2,973	4,349	987,023	19,026
..... pounds	3,703,138,887	264,930,955	199,389,020	8,611,854	14,076,807	3,058,210,992	49,168,268
Irrigated ..... farms	2,381	216	107	28	13	1,867	29
..... acres	418,789	23,986	20,387	1,041	2,412	356,043	2,612

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
POULTRY - Con.									
Broilers and other meat-type chickens sold ....farms	-	822	1,718	414	658	515	19,220	607	1,354
....number	-	(D)	4,682,154	211,637	2,704,217	21,806,666	8,857,716,294	80,665	13,635,189
Farms with-									
1 to 1,999	-	789	1,663	411	607	431	2,285	602	1,245
2,000 to 59,999	-	16	34	2	37	14	397	5	73
60,000 to 99,999	-	2	4	-	5	9	597	-	2
100,000 or more	-	15	17	1	9	61	15,941	-	34
Turkeys inventory (see text) ....farms	4	1,037	2,732	219	721	586	6,651	1,171	2,304
....number	9	210,794	365,559	(D)	142,211	2,210,195	100,846,142	111,492	2,495,932
Turkeys sold (see text) ....farms	1	434	785	128	285	356	4,170	343	1,015
....number	(D)	328,495	290,525	(D)	372,801	6,051,573	282,252,716	3,228	5,413,327
CROPS HARVESTED									
Barley for grain ....farms	36	2,203	2,691	566	2,845	221	295	80	246
....acres	10,633	284,884	270,756	29,462	126,015	13,176	13,471	2,599	76,001
....bushels	871,001	23,601,575	12,818,423	2,150,602	8,612,462	549,463	980,771	166,049	2,665,265
Irrigated ....farms	33	1,228	689	53	323	17	19	32	43
....acres	9,196	194,940	61,851	12,856	34,445	1,091	917	1,477	6,887
Farms by acres harvested:									
1 to 24 acres	2	744	992	351	1,536	138	153	50	131
25 to 99 acres	6	701	868	164	1,024	72	99	24	51
100 to 249 acres	16	440	581	33	219	5	38	4	24
250 to 499 acres	5	211	178	11	49	3	4	2	12
500 acres or more	7	107	72	7	17	3	1	-	28
Corn for grain ....farms	1,837	13,989	28,413	9,158	28,154	8,776	3,544	692	3,651
....acres	526,226	1,388,936	2,716,730	2,210,033	2,801,444	2,608,043	543,861	18,404	717,645
....bushels	72,769,566	175,092,056	344,285,989	340,909,902	360,842,963	411,505,835	65,026,781	2,313,008	105,803,188
Irrigated ....farms	868	2,680	2,659	1,147	801	622	381	54	237
....acres	225,167	437,884	496,735	503,886	101,085	133,804	56,710	1,933	56,733
Farms by acres harvested:									
1 to 24 acres	154	6,544	12,637	2,215	6,688	1,214	1,176	534	1,476
25 to 99 acres	449	3,986	8,621	2,398	12,579	1,783	1,037	127	759
100 to 249 acres	567	1,990	4,404	1,900	6,471	2,328	684	15	594
250 to 499 acres	360	919	1,718	1,287	1,771	1,866	390	12	403
500 acres or more	307	550	1,033	1,358	645	1,585	257	4	419
Corn for silage or greenchop ....farms	138	5,133	15,827	4,652	35,031	927	1,025	124	1,165
....acres	26,658	352,181	828,233	348,872	2,890,524	45,550	50,236	4,035	44,280
....tons	612,236	7,264,141	12,106,788	5,965,537	51,054,457	704,597	725,815	61,336	688,180
Irrigated ....farms	123	1,432	1,852	594	2,386	33	45	28	69
....acres	25,112	220,868	171,381	88,445	516,242	2,954	3,019	1,487	4,630
Farms by acres harvested:									
1 to 24 acres	15	2,656	7,833	1,765	10,510	526	519	80	711
25 to 99 acres	38	1,631	5,756	1,902	16,966	307	396	33	355
100 to 249 acres	54	554	1,772	717	5,345	64	87	10	73
250 to 499 acres	22	184	349	177	1,443	22	18	1	19
500 acres or more	9	108	117	91	767	8	5	-	7
Cotton, all ....farms	9,967	3,072	412	11	32	68	227	5	37
....acres	7,092,374	1,228,428	109,871	1,988	6,457	20,020	76,822	1,726	11,607
....bales	12,954,739	2,158,901	171,592	3,532	16,579	29,900	102,158	2,925	17,097
Irrigated ....farms	4,996	1,437	138	4	26	9	54	1	13
....acres	2,755,532	472,420	29,465	824	5,577	(D)	13,602	(D)	4,232
Farms by acres harvested:									
1 to 24 acres	554	119	71	3	2	8	14	1	5
25 to 99 acres	1,437	565	128	2	8	17	41	-	11
100 to 249 acres	1,573	874	101	2	14	9	61	2	6
250 to 499 acres	1,719	661	58	3	6	17	57	1	8
500 acres or more	4,684	853	54	1	2	17	54	1	7
Dry edible beans, excluding limas ....farms	19	755	186	53	75	20	12	9	26
....acres	2,382	151,526	17,961	9,416	6,207	3,688	2,476	(D)	1,779
....cwt	53,790	2,955,256	380,252	197,086	115,662	72,219	46,896	(D)	36,756
Irrigated ....farms	15	488	125	34	15	4	5	7	12
....acres	1,879	59,590	11,564	6,927	1,849	605	1,653	195	1,210
Farms by acres harvested:									
1 to 24 acres	2	122	49	1	12	2	6	6	19
25 to 99 acres	6	263	73	19	43	4	-	3	3
100 to 249 acres	9	218	51	20	16	11	2	-	2
250 to 499 acres	2	92	7	11	4	2	2	-	1
500 acres or more	-	60	6	2	-	1	2	-	1
Oats for grain ....farms	63	4,763	7,775	1,567	9,680	718	357	293	1,081
....acres	5,436	135,848	288,442	36,170	253,308	13,834	7,354	5,884	22,914
....bushels	274,362	7,868,225	15,204,166	2,305,606	16,148,305	858,786	370,543	266,058	1,289,741
Irrigated ....farms	18	429	372	20	100	21	10	21	40
....acres	1,338	21,527	12,323	531	7,520	303	228	501	713
Farms by acres harvested:									
1 to 24 acres	16	3,312	4,858	1,203	6,243	558	282	239	833
25 to 99 acres	31	1,162	2,167	314	3,173	150	61	46	211
100 to 249 acres	8	242	627	36	234	9	13	5	31
250 to 499 acres	7	39	107	12	25	1	-	2	5
500 acres or more	1	8	16	2	5	-	1	1	1
Peanuts for nuts ....farms	1,235	3,217	230	7	21	37	177	1	19
....acres	193,689	774,308	19,055	(D)	2,845	5,368	26,623	(D)	1,394
....pounds	591,159,085	2,417,883,639	52,869,754	(D)	9,456,713	15,408,923	74,981,723	(D)	3,803,323
Irrigated ....farms	589	1,249	78	5	13	6	42	-	6
....acres	90,258	263,173	6,797	322	1,637	676	5,448	-	40

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
CROPS HARVESTED - Con.							
Peanuts for nuts - Con.							
Farms by acres harvested:							
1 to 24 acres	915	143	89	46	7	501	27
25 to 99 acres	1,909	296	54	12	7	1,377	50
100 to 249 acres	1,886	219	39	8	5	1,478	40
250 to 499 acres	920	69	35	2	3	761	20
500 acres or more	552	20	39	-	3	477	5
Rice ... farms	6,084	5,722	25	65	6	185	-
acres	2,758,792	2,653,390	7,841	18,140	(D)	61,009	-
cwt	198,538,690	190,756,939	532,052	1,489,331	(D)	4,600,590	-
Irrigated ... farms	6,084	5,722	25	65	6	185	-
acres	2,758,792	2,653,390	7,841	18,140	(D)	61,009	-
Farms by acres harvested:							
1 to 24 acres	132	115	3	-	2	5	-
25 to 99 acres	915	829	7	15	1	45	-
100 to 249 acres	1,459	1,346	4	21	2	59	-
250 to 499 acres	1,616	1,523	6	21	-	44	-
500 acres or more	1,962	1,909	5	8	1	32	-
Sorghum for grain ... farms	26,242	19,370	223	33	22	2,902	21
acres	6,769,834	5,267,900	63,656	2,150	3,407	863,608	569
bushels	482,452,865	384,408,239	4,555,056	153,170	270,333	55,110,110	18,018
Irrigated ... farms	4,483	2,996	113	13	6	1,006	-
acres	845,214	578,098	34,214	1,071	851	189,088	-
Farms by acres harvested:							
1 to 24 acres	2,609	1,530	51	16	8	322	13
25 to 99 acres	8,335	6,036	50	13	8	780	8
100 to 249 acres	7,302	5,483	53	3	3	798	-
250 to 499 acres	4,377	3,462	27	-	2	498	-
500 acres or more	3,619	2,859	42	1	1	504	-
Soybeans for beans ... farms	279,110	225,386	1,642	316	410	9,588	1,532
acres	63,915,821	56,010,348	272,241	23,902	34,425	1,801,026	347,834
bushels	2,582,423,697	2,284,421,545	9,247,169	687,588	1,098,987	50,150,125	5,606,252
Irrigated ... farms	20,333	17,220	281	33	44	932	59
acres	5,237,075	4,779,012	37,249	(D)	1,926	180,266	2,059
Farms by acres harvested:							
1 to 24 acres	38,458	26,354	491	129	167	2,344	228
25 to 99 acres	90,935	70,792	524	131	142	3,031	470
100 to 249 acres	70,698	58,535	312	38	73	1,998	365
250 to 499 acres	44,381	38,402	163	13	16	1,200	278
500 acres or more	34,638	31,303	152	5	12	1,015	191
Sugarbeets for sugar ... farms	4,022	1,999	149	6	1	1,647	-
acres	1,253,817	572,878	58,250	(D)	(D)	580,014	-
tons	31,937,325	13,366,200	1,937,268	(D)	(D)	15,489,383	-
Irrigated ... farms	1,595	434	131	6	1	887	-
acres	394,675	78,509	51,372	(D)	(D)	238,632	-
Sugarcane for sugar ... farms	692	48	24	14	1	592	-
acres	846,666	10,538	37,910	(D)	(D)	783,423	-
tons	31,127,405	357,854	1,328,378	(D)	(D)	(D)	-
Irrigated ... farms	219	24	21	11	-	154	-
acres	435,205	3,571	35,383	(D)	-	381,567	-
Sunflower seed, all ... farms	6,403	5,534	84	22	18	281	6
acres	2,000,153	1,855,499	13,747	1,360	90	51,906	70
pounds	2,820,962,445	2,644,603,993	15,284,825	1,431,062	(D)	61,148,023	23,450
Irrigated ... farms	608	444	40	10	5	73	-
acres	102,219	74,574	11,488	583	(D)	12,380	-
Farms by acres harvested:							
1 to 24 acres	502	281	39	18	17	68	6
25 to 99 acres	1,153	918	11	-	1	68	-
100 to 249 acres	2,110	1,867	18	2	-	87	-
250 to 499 acres	1,494	1,389	10	1	-	33	-
500 acres or more	1,144	1,079	6	1	-	25	-
Tobacco ... farms	16,234	1,039	147	16	57	10,996	9,624
acres	359,846	21,058	7,268	198	862	282,697	240,668
pounds	778,301,825	43,502,926	15,284,283	358,292	1,720,799	613,724,010	519,574,282
Irrigated ... farms	2,572	143	42	4	12	2,034	1,779
acres	71,578	3,384	1,617	(D)	250	60,897	53,327
Farms by acres harvested:							
0.1 to 0.9 acres	235	22	2	4	2	128	102
1.0 to 1.9 acres	1,493	82	20	2	5	961	851
2.0 to 2.9 acres	1,827	103	13	2	10	1,136	1,008
3.0 to 4.9 acres	2,772	160	28	-	7	1,725	1,500
5.0 to 9.9 acres	3,459	220	9	2	18	2,100	1,866
10.0 to 24.9 acres	3,129	212	26	4	8	2,286	2,036
25.0 acres or more	3,319	240	49	2	7	2,660	2,261
Wheat for grain, all ... farms	160,810	114,900	2,078	412	235	12,277	915
acres	50,932,969	41,678,251	683,326	46,617	19,670	2,714,975	108,993
bushels	1,993,648,378	1,624,971,774	56,206,551	3,292,417	1,017,238	124,418,531	3,998,157
Irrigated ... farms	15,213	8,756	1,002	166	37	3,161	24
acres	3,364,079	1,955,600	456,547	27,461	4,039	615,780	754
Farms by acres harvested:							
1 to 24 acres	26,703	15,881	411	138	101	2,647	264
25 to 99 acres	49,409	33,977	512	165	81	3,605	326
100 to 249 acres	34,703	24,899	473	59	33	2,915	189
250 to 499 acres	21,167	16,130	312	33	12	1,632	105
500 acres or more	28,828	24,013	370	17	8	1,478	31

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
CROPS HARVESTED - Con.									
Peanuts for nuts - Con.									
Farms by acres harvested:									
1 to 24 acres	119	355	76	1	3	13	23	1	12
25 to 99 acres	451	876	90	4	2	8	58	-	1
100 to 249 acres	446	992	50	2	13	7	60	-	5
250 to 499 acres	150	591	9	-	3	6	32	-	-
500 acres or more	69	403	5	-	-	3	4	-	1
Rice ....farms	114	71	57	-	6	-	2	-	16
acres	28,011	32,998	12,651	-	1,061	-	(D)	-	3,324
cwt	1,972,283	2,628,307	771,105	-	95,116	-	(D)	-	203,517
Irrigated ....farms	114	71	57	-	6	-	2	-	16
acres	28,011	32,998	12,651	-	1,061	-	(D)	-	3,324
Farms by acres harvested:									
1 to 24 acres	2	3	4	-	2	-	-	-	1
25 to 99 acres	32	13	14	-	1	-	1	-	2
100 to 249 acres	38	21	17	-	1	-	1	-	8
250 to 499 acres	27	17	17	-	2	-	-	-	3
500 acres or more	15	17	5	-	-	-	-	-	2
Sorghum for grain ....farms	1,620	1,261	2,714	260	256	198	96	23	145
acres	573,291	289,748	424,639	62,104	25,334	30,669	7,383	2,126	16,858
bushels	37,174,207	17,917,885	27,212,803	4,793,815	1,557,752	2,651,207	359,632	109,186	1,271,562
Irrigated ....farms	619	387	255	38	22	14	10	2	8
acres	104,340	84,748	29,457	5,994	3,783	1,865	(D)	(D)	426
Farms by acres harvested:									
1 to 24 acres	67	242	475	22	60	43	32	9	41
25 to 99 acres	356	416	1,075	74	118	82	41	10	48
100 to 249 acres	496	302	732	83	55	37	15	3	37
250 to 499 acres	352	146	272	54	16	23	8	-	15
500 acres or more	349	155	160	27	7	13	-	1	4
Soybeans for beans ....farms	1,641	6,415	13,659	5,012	11,427	6,790	2,383	211	2,286
acres	555,525	897,667	1,451,230	896,558	1,031,139	1,498,175	441,025	8,766	446,986
bushels	16,273,655	28,270,218	53,960,332	41,192,571	39,902,239	68,892,411	13,206,572	347,663	19,316,495
Irrigated ....farms	514	359	576	404	192	335	192	2	122
acres	145,762	32,445	71,898	68,383	15,114	40,300	19,043	(D)	22,287
Farms by acres harvested:									
1 to 24 acres	161	1,955	3,774	881	2,581	635	451	129	522
25 to 99 acres	342	2,219	5,681	1,625	5,620	1,885	781	62	661
100 to 249 acres	448	1,185	2,686	1,342	2,418	2,134	617	14	531
250 to 499 acres	305	617	1,099	736	621	1,444	333	5	349
500 acres or more	385	439	419	428	187	692	201	1	223
Sugarbeets for sugar ....farms	12	1,635	91	40	52	25	1	5	6
acres	1,669	578,345	15,179	8,725	9,812	4,869	(D)	300	1,888
tons	57,055	15,432,328	386,291	221,520	298,540	123,061	(D)	8,069	47,835
Irrigated ....farms	12	875	76	21	28	3	-	5	3
acres	1,669	236,963	13,432	3,553	5,303	(D)	-	300	1,533
Sugarcane for sugar ....farms	1	591	7	-	1	-	-	-	5
acres	(D)	(D)	(D)	-	(D)	-	-	-	5
tons	(D)	(D)	(D)	-	(D)	-	-	-	150
Irrigated ....farms	1	153	3	-	1	-	-	-	5
acres	(D)	(D)	(D)	-	(D)	-	-	-	5
Sunflower seed, all ....farms	42	233	334	30	43	13	8	8	28
acres	8,615	43,221	59,922	5,534	4,531	1,657	1,419	298	4,190
pounds	13,058,299	48,066,274	74,072,862	8,300,633	4,985,421	2,316,252	(D)	361,000	6,370,275
Irrigated ....farms	22	51	22	6	1	3	1	3	-
acres	3,359	9,021	2,200	592	(D)	323	(D)	(D)	-
Farms by acres harvested:									
1 to 24 acres	7	55	47	2	12	2	3	3	10
25 to 99 acres	8	60	111	7	20	4	3	4	6
100 to 249 acres	17	70	105	11	5	6	-	1	8
250 to 499 acres	5	28	44	9	5	1	1	-	1
500 acres or more	5	20	27	1	1	-	1	-	3
Tobacco ....farms	42	1,330	2,268	53	1,160	119	249	6	124
acres	2,092	39,937	15,138	336	8,791	8,272	12,430	14	2,781
pounds	3,807,227	90,342,501	31,318,024	752,461	20,171,032	16,989,168	28,122,351	31,950	6,326,529
Irrigated ....farms	5	250	198	5	42	20	60	1	11
acres	297	7,273	1,780	25	408	535	2,224	(D)	319
Farms by acres harvested:									
0.1 to 0.9 acres	-	26	59	1	9	-	3	2	3
1.0 to 1.9 acres	-	110	359	7	35	3	7	-	12
2.0 to 2.9 acres	4	124	402	14	111	6	11	2	17
3.0 to 4.9 acres	1	224	541	8	253	12	19	2	17
5.0 to 9.9 acres	3	231	474	10	562	7	36	-	21
10.0 to 24.9 acres	14	236	328	12	157	17	49	-	30
25.0 acres or more	20	379	105	1	33	74	124	-	24
Wheat for grain, all ....farms	2,059	9,303	17,900	1,999	6,457	1,886	1,189	228	1,249
acres	636,497	1,969,485	4,325,160	393,981	429,316	208,516	146,075	19,327	267,755
bushels	24,098,811	96,321,563	121,230,538	15,966,097	21,323,642	9,059,641	6,511,275	489,042	9,161,632
Irrigated ....farms	591	2,546	1,384	206	226	109	76	23	67
acres	123,806	491,220	203,359	39,739	35,737	15,586	4,352	907	4,972
Farms by acres harvested:									
1 to 24 acres	89	2,294	3,058	529	2,520	547	310	111	450
25 to 99 acres	535	2,744	5,806	649	2,870	847	431	65	401
100 to 249 acres	652	2,074	4,287	412	766	314	293	32	220
250 to 499 acres	415	1,112	2,335	206	204	103	108	10	82
500 acres or more	368	1,079	2,414	203	97	75	47	10	96

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
CROPS HARVESTED - Con.							
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	869,534	107,060	7,848	6,806	3,682	267,713	4,658
acres	61,455,483	7,758,185	522,182	272,174	115,561	16,374,848	284,823
tons, dry	155,393,762	20,546,184	2,289,611	967,670	248,083	48,587,324	468,103
Irrigated ..... farms	86,007	7,957	1,800	1,700	436	35,809	83
acres	10,264,753	790,434	316,871	108,165	18,208	4,449,337	2,138
Farms by acres harvested:							
1 to 24 acres	367,533	42,491	5,042	4,426	2,542	128,633	1,786
25 to 99 acres	345,273	42,611	1,813	1,782	924	103,542	1,994
100 to 249 acres	111,368	15,881	560	455	156	25,063	714
250 to 499 acres	30,370	4,382	240	84	44	6,585	135
500 acres or more	14,990	1,695	193	59	16	3,890	29
Alfalfa hay ..... farms	290,726	67,819	2,806	1,756	838	82,015	1,274
acres	20,244,497	3,810,635	271,099	92,381	21,514	6,133,287	30,151
tons, dry	65,349,074	12,026,727	1,538,207	531,252	61,599	25,090,763	59,040
Irrigated ..... farms	56,390	6,063	1,244	912	169	25,775	21
acres	6,556,652	565,469	225,757	74,763	7,661	3,391,162	195
Other tame hay ..... farms	496,740	37,720	3,806	3,383	1,988	154,417	3,724
acres	26,763,972	2,293,699	155,090	111,955	65,174	7,461,224	225,207
tons, dry	54,347,673	4,569,203	411,599	260,681	130,756	17,306,728	357,664
Irrigated ..... farms	24,348	1,324	426	459	193	9,349	49
acres	1,699,864	80,216	44,948	13,053	5,687	628,345	1,677
Field and grass seed crops, all ..... farms	6,038	1,124	197	89	70	2,626	15
acres	1,178,726	157,761	49,136	10,292	8,955	776,535	893
Irrigated ..... farms	1,457	153	138	45	32	992	-
acres	323,441	17,444	35,202	4,731	5,320	250,162	-
Land in vegetables (see text) ..... farms	69,172	5,432	40,300	4,555	3,144	7,497	439
acres	4,356,880	413,245	3,252,292	80,061	24,504	473,416	13,180
Irrigated ..... farms	29,885	1,348	18,398	2,487	1,533	3,384	117
acres	3,068,485	127,069	2,499,746	61,910	12,158	327,783	1,562
Farms by acres harvested:							
0.1 to 4.9 acres	41,453	1,662	23,601	3,334	2,361	4,320	230
5.0 to 24.9 acres	13,869	936	9,127	801	584	1,236	119
25.0 to 99.9 acres	6,671	1,627	3,084	276	166	905	61
100.0 to 249.9 acres	3,473	829	1,761	88	23	567	18
250.0 acres or more	3,706	378	2,727	56	10	469	11
Snap beans ..... farms	17,300	782	11,313	924	831	1,658	67
acres	303,997	56,980	187,839	4,785	944	34,957	566
Harvested for processing ..... farms	1,999	478	838	64	30	284	8
acres	198,101	52,048	97,192	3,058	306	28,109	(D)
Peas, green ..... farms	4,532	1,111	2,186	156	119	437	4
acres	214,057	97,878	69,172	1,039	930	25,416	(D)
Harvested for processing ..... farms	2,047	1,038	452	16	4	209	-
acres	206,092	96,501	63,850	874	859	24,726	-
Potatoes ..... farms	15,014	563	9,880	646	593	1,667	76
acres	1,131,963	49,810	965,391	4,130	3,234	99,001	233
Harvested for processing ..... farms	1,739	138	1,176	40	16	246	1
acres	599,604	22,130	506,141	(D)	2,061	61,122	(D)
Farms by acres harvested:							
0.1 to 4.9 acres	12,013	288	7,693	609	568	1,280	71
5.0 to 24.9 acres	612	44	411	26	16	75	2
25.0 to 99.9 acres	539	90	332	5	2	85	3
100.0 to 249.9 acres	714	77	500	2	4	112	-
250.0 acres or more	1,136	64	944	4	3	115	-
Sweet corn ..... farms	28,241	2,670	16,642	1,364	888	2,998	172
acres	622,946	121,007	376,525	11,273	5,623	79,645	901
Harvested for processing ..... farms	3,670	1,238	1,317	88	46	518	10
acres	361,886	104,886	178,570	4,755	479	52,884	13
Sweet potatoes ..... farms	1,910	91	1,286	78	77	250	68
acres	105,284	687	85,021	2,571	145	15,362	7,083
Harvested for processing ..... farms	259	12	184	5	3	45	18
acres	21,360	223	17,556	3	(D)	3,218	647
Tomatoes in the open ..... farms	25,809	617	17,131	1,872	1,413	2,329	100
acres	442,225	10,107	337,993	18,559	1,684	71,834	118
Harvested for processing ..... farms	1,761	65	1,071	113	57	244	7
acres	319,549	8,917	229,417	15,541	193	64,828	3
Land in orchards ..... farms	115,935	1,620	4,889	89,236	2,538	6,290	70
acres	5,039,476	49,125	107,626	4,485,650	21,859	151,208	398
Irrigated ..... farms	61,189	460	2,030	52,791	1,161	2,086	11
acres	3,981,316	24,376	90,337	3,702,272	15,173	97,355	32
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	52,775	752	3,775	36,034	1,900	3,837	45
5.0 to 24.9 acres	37,043	486	677	30,938	501	1,463	22
25.0 to 99.9 acres	17,119	255	223	14,494	112	642	3
100.0 to 249.9 acres	5,434	98	111	4,598	18	233	-
250.0 acres or more	3,564	29	103	3,172	7	115	-
Apples ..... farms	25,591	390	2,198	17,101	779	2,167	34
bearing and nonbearing acres	398,770	3,400	9,539	367,739	1,979	10,054	(D)
Grapes ..... farms	25,892	361	994	21,263	405	1,194	16
bearing and nonbearing acres	1,051,407	3,705	14,201	1,004,873	1,854	17,310	73
Peaches, all ..... farms	13,582	232	1,336	8,752	413	1,173	32
bearing and nonbearing acres	149,237	3,911	9,029	128,231	746	3,351	(D)

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
CROPS HARVESTED - Con.									
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) .....farms	1,631	261,424	327,500	17,605	47,832	8,142	19,649	12,726	42,971
acres	197,996	15,892,029	26,137,066	1,286,287	6,125,873	340,672	886,603	358,995	1,277,037
tons, dry	736,855	47,382,366	51,047,407	3,389,873	22,353,016	854,546	2,087,898	638,933	2,383,214
Irrigated .....farms	509	35,217	25,717	1,566	3,222	1,285	829	1,299	4,387
acres	88,593	4,358,606	3,418,849	190,029	679,906	56,850	25,652	69,591	140,861
Farms by acres harvested:									
1 to 24 acres	362	126,485	116,705	7,054	5,717	4,671	10,262	9,211	30,779
25 to 99 acres	707	100,841	143,854	7,291	21,084	2,654	6,976	2,911	9,831
100 to 249 acres	379	23,970	46,579	2,252	15,559	654	1,989	437	1,783
250 to 499 acres	131	6,319	13,273	698	4,061	119	356	113	415
500 acres or more	52	3,809	7,089	310	1,411	44	66	54	163
Alfalfa hay .....farms	337	80,404	72,924	9,672	30,441	3,449	3,075	4,045	11,886
acres	67,915	6,035,221	6,449,361	571,616	2,251,107	110,194	59,453	124,297	349,553
tons, dry	443,151	24,588,572	15,199,210	1,857,982	7,333,601	369,156	159,168	297,570	883,839
Irrigated .....farms	281	25,473	15,654	1,134	1,715	277	313	799	2,335
acres	63,150	3,327,817	1,704,276	121,112	328,244	8,487	5,798	43,653	80,270
Other tame hay .....farms	977	149,716	223,044	7,292	15,202	4,018	13,862	6,737	25,271
acres	80,475	7,155,542	13,422,454	422,008	1,150,674	179,387	689,506	150,886	661,915
tons, dry	170,542	16,778,522	24,938,054	788,922	2,685,420	362,682	1,627,059	218,636	1,047,933
Irrigated .....farms	168	9,132	8,432	342	593	918	409	366	1,537
acres	9,982	616,686	740,478	34,899	49,473	42,160	15,498	12,250	32,857
Field and grass seed crops, all .....farms	28	2,583	1,543	52	110	52	84	14	77
acres	9,297	766,345	145,534	4,561	9,163	3,410	6,883	699	5,797
Irrigated .....farms	27	965	60	-	15	2	1	2	17
acres	9,274	240,888	6,698	-	2,984	(D)	(D)	(D)	595
Land in vegetables (see text) .....farms	206	6,852	3,391	268	1,321	449	950	450	1,415
acres	42,858	417,378	26,791	12,823	31,881	13,911	18,959	757	8,239
Irrigated .....farms	129	3,138	1,122	79	311	107	371	187	558
acres	39,027	287,194	10,836	8,826	5,872	1,660	9,337	373	2,914
Farms by acres harvested:									
0.1 to 4.9 acres	28	4,062	2,733	171	740	242	655	422	1,212
5.0 to 24.9 acres	37	1,080	455	42	284	67	142	26	169
25.0 to 99.9 acres	63	781	143	33	211	105	98	1	22
100.0 to 249.9 acres	52	497	50	15	68	27	37	1	7
250.0 acres or more	26	432	10	7	18	8	18	-	5
Snap beans .....farms	7	1,584	770	44	275	70	206	65	362
acres	806	33,584	4,342	1,261	8,167	1,606	2,604	19	494
Harvested for processing .....farms	3	273	99	13	112	13	36	10	22
acres	(D)	27,443	4,019	1,256	8,050	1,576	2,111	4	372
Peas, green .....farms	2	431	160	27	161	81	32	5	57
acres	(D)	25,411	3,174	1,586	8,787	3,979	(D)	(D)	1,262
Harvested for processing .....farms	-	209	63	25	147	73	9	2	9
acres	-	24,726	2,964	1,579	8,741	3,966	724	(D)	(D)
Potatoes .....farms	4	1,587	694	63	248	56	173	67	364
acres	131	98,637	2,333	4,237	2,485	138	826	29	351
Harvested for processing .....farms	2	243	54	11	19	4	10	10	15
acres	(D)	60,950	1,072	4,076	1,417	1	(D)	2	29
Farms by acres harvested:									
0.1 to 4.9 acres	1	1,208	663	53	226	52	162	67	352
5.0 to 24.9 acres	1	72	12	2	7	3	5	-	11
25.0 to 99.9 acres	2	80	11	2	7	1	3	-	1
100.0 to 249.9 acres	-	112	7	5	5	-	2	-	-
250.0 acres or more	-	115	1	1	3	-	1	-	-
Sweet corn .....farms	16	2,810	1,583	132	589	209	317	230	619
acres	200	78,544	6,613	2,399	7,867	5,181	4,250	187	2,377
Harvested for processing .....farms	4	504	144	34	121	70	35	10	49
acres	17	52,855	3,629	1,953	5,665	4,544	3,135	4	1,382
Sweet potatoes .....farms	7	175	63	-	17	11	20	4	13
acres	646	7,634	105	-	11	(D)	839	4	(D)
Harvested for processing .....farms	4	23	1	-	-	4	5	-	-
acres	341	2,231	(D)	-	-	(D)	(D)	-	-
Tomatoes in the open .....farms	45	2,184	1,004	49	284	107	320	118	565
acres	30,411	41,305	577	16	503	279	356	40	277
Harvested for processing .....farms	36	201	82	9	21	10	20	18	51
acres	30,180	34,645	97	1	340	110	32	5	67
Land in orchards .....farms	229	5,991	6,646	188	615	226	1,167	658	1,862
acres	12,142	138,668	171,387	2,545	24,581	1,484	10,279	3,913	9,819
Irrigated .....farms	133	1,942	1,116	45	247	56	356	200	641
acres	10,407	86,916	20,714	1,024	21,544	379	4,040	1,310	2,794
Farms by bearing and nonbearing acres:									
0.1 to 4.9 acres	53	3,739	3,000	136	309	174	837	539	1,482
5.0 to 24.9 acres	77	1,364	2,128	28	142	40	241	91	308
25.0 to 99.9 acres	60	579	1,129	13	87	9	73	21	61
100.0 to 249.9 acres	28	205	283	10	56	3	10	5	9
250.0 acres or more	11	104	106	1	21	-	6	2	2
Apples .....farms	3	2,130	1,115	77	232	76	474	219	763
bearing and nonbearing acres	(D)	9,991	2,408	241	1,347	271	785	204	803
Grapes .....farms	34	1,144	724	29	123	53	242	133	371
bearing and nonbearing acres	1,042	16,195	3,828	179	4,140	111	548	155	504
Peaches, all .....farms	3	1,138	733	27	127	29	283	121	356
bearing and nonbearing acres	(D)	3,181	1,416	11	683	197	1,205	92	365

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Oilseed and grain farming (1111)	Vegetable and melon farming (1112)	Fruit and tree nut farming (1113)	Greenhouse, nursery, and floriculture production (1114)	Other crop farming (1119)	
						Total	Tobacco farming (11191)
CROPS HARVESTED - Con.							
Land in orchards - Con.							
Citrus fruit, all ..... farms	15,658	26	314	14,348	377	175	-
bearing and nonbearing acres	1,005,806	639	12,603	970,079	6,391	6,147	-
Almonds ..... farms	6,700	74	157	5,985	19	232	-
bearing and nonbearing acres	790,245	5,979	32,274	702,956	340	33,407	-
Pecans ..... farms	21,856	543	566	12,631	259	2,238	17
bearing and nonbearing acres	581,809	16,765	4,809	345,813	2,080	46,836	139
Walnuts, English ..... farms	7,161	165	218	6,021	75	259	-
bearing and nonbearing acres	267,751	10,750	7,639	232,572	1,059	11,393	-
Land in berries (see text) ..... farms	25,017	555	4,189	13,780	1,304	2,362	90
acres	261,733	1,567	12,505	233,257	2,877	7,348	334

See footnote(s) at end of table.

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Table 62. **Summary by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other crop farming - con. (1119)		Beef cattle ranching and farming (112111)	Cattle feedlots (112112)	Dairy cattle and milk production (11212)	Hog and pig farming (1122)	Poultry and egg production (1123)	Sheep and goat farming (1124)	Animal aquaculture and other animal production (1125,1129)
	Cotton farming (11192)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194 11199)							
CROPS HARVESTED - Con.									
Land in orchards - Con.									
Citrus fruit, all .....farms	2	173	204	2	14	5	50	34	109
bearing and nonbearing acres	(D)	(D)	8,342	(D)	740	2	149	(D)	584
Almonds .....farms	24	208	38	4	95	2	36	19	39
bearing and nonbearing acres	2,937	30,470	1,537	(D)	10,683	(D)	2,196	179	552
Pecans .....farms	150	2,071	4,341	64	76	70	354	213	501
bearing and nonbearing acres	4,168	42,529	149,329	1,651	1,805	692	3,809	2,758	5,462
Walnuts, English .....farms	7	252	158	12	52	3	48	43	107
bearing and nonbearing acres	202	11,192	1,196	(D)	2,348	(D)	439	100	236
Land in berries (see text) .....farms	7	2,265	1,036	79	372	87	441	196	616
acres	29	6,985	1,212	75	518	300	1,007	308	759

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARMS AND LAND IN FARMS								
Farms ..... number	2,204,792	993,881	5,988	44,591	97,508	211,039	260,056	374,699
percent	100.0	45.1	0.3	2.0	4.4	9.6	11.8	17.0
Land in farms ..... acres	922,095,840	697,743,712	1,942,131	25,642,428	83,555,397	191,919,056	191,479,391	203,205,309
Average size of farm ..... acres	418	702	324	575	857	909	736	542
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS								
Total ..... farms	2,204,792	993,881	5,988	44,591	97,508	211,039	260,056	374,699
$1,000	305,204,413	258,435,454	840,324	12,374,300	40,413,442	84,159,391	70,535,555	50,112,441
Average per farm ..... dollars	138,428	260,027	140,335	277,507	414,463	398,786	271,232	133,741
Farms by economic class:								
Less than $1,000 (see text)	499,880	142,888	743	4,806	13,395	27,238	39,176	57,530
$1,000 to $2,499	270,712	73,989	388	2,440	6,166	12,243	19,489	33,263
$2,500 to $4,999	246,309	75,712	493	2,223	5,531	11,251	19,323	36,891
$5,000 to $9,999	254,834	91,211	463	2,878	6,003	13,149	22,607	46,111
$10,000 to $24,999	274,274	120,743	662	4,208	8,079	17,615	29,626	60,553
$25,000 to $49,999	163,500	89,872	658	4,179	6,930	14,956	22,122	41,027
$50,000 to $99,999	129,124	84,774	687	4,814	7,952	17,470	21,794	32,057
$100,000 to $249,999	149,049	118,767	1,063	8,243	14,134	31,268	31,822	32,237
$250,000 to $499,999	96,251	85,812	514	5,309	11,942	27,411	23,844	16,792
$500,000 to $999,999	63,567	58,072	176	2,954	8,815	20,010	16,367	9,750
$1,000,000 or more	57,292	52,041	141	2,537	8,561	18,428	13,886	8,488
$1,000,000 to $2,499,999	41,863	38,440	120	1,967	6,373	13,737	10,176	6,067
$2,500,000 to $4,999,999	9,845	8,859	13	406	1,398	3,083	2,470	1,489
$5,000,000 or more	5,584	4,742	8	164	790	1,608	1,240	932
Total sales ..... farms	2,204,792	993,881	5,988	44,591	97,508	211,039	260,056	374,699
$1,000	297,220,491	252,231,332	816,268	12,099,558	39,652,124	82,290,350	68,806,683	48,566,349
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	331,478	2,487	19,027	37,668	87,230	86,135	98,931
$1,000	77,215,262	69,855,243	290,307	3,555,335	9,569,275	23,789,346	19,427,344	13,223,635
Sales of $50,000 or more ..... farms	235,343	198,719	1,280	11,419	24,428	59,794	54,485	47,313
$1,000	73,535,966	67,634,265	270,159	3,430,084	9,352,481	23,326,464	18,894,773	12,360,304
Corn ..... farms	347,540	247,063	1,808	14,446	29,209	67,601	64,712	69,287
$1,000	39,909,600	35,985,230	146,151	1,864,928	5,014,168	12,472,540	9,922,508	6,564,935
Sales of $50,000 or more ..... farms	151,428	131,084	736	7,579	16,915	41,651	36,332	27,871
$1,000	36,859,125	33,994,444	127,209	1,747,047	4,803,311	12,010,531	9,428,658	5,877,688
Wheat ..... farms	159,527	124,427	797	6,779	14,278	34,362	32,782	35,429
$1,000	10,623,640	9,747,221	43,863	490,616	1,287,900	3,198,085	2,707,257	2,019,500
Sales of $50,000 or more ..... farms	47,250	43,532	217	2,329	5,647	13,867	12,166	9,306
$1,000	8,944,760	8,413,072	34,526	413,590	1,137,077	2,835,418	2,356,201	1,636,262
Soybeans ..... farms	285,089	204,994	1,364	10,959	23,423	55,627	54,329	59,292
$1,000	20,283,986	18,184,525	67,791	826,580	2,344,516	6,151,652	5,205,216	3,588,770
Sales of $50,000 or more ..... farms	109,269	98,327	421	4,775	12,672	32,350	28,424	19,685
$1,000	17,191,360	16,067,686	49,745	702,364	2,123,398	5,657,428	4,676,115	2,858,635
Sorghum ..... farms	27,142	21,780	144	1,357	2,484	6,049	5,700	6,046
$1,000	1,651,798	1,507,075	6,515	84,974	197,998	497,502	397,266	322,820
Sales of $50,000 or more ..... farms	8,972	8,242	32	516	1,052	2,715	2,206	1,721
$1,000	1,348,798	1,262,717	4,652	69,319	171,048	435,118	331,123	251,457
Barley ..... farms	18,326	15,703	123	934	2,119	4,880	4,244	3,403
$1,000	701,047	658,780	3,211	39,640	95,774	235,086	183,658	101,412
Sales of $50,000 or more ..... farms	3,973	3,773	18	254	569	1,390	1,030	512
$1,000	526,415	503,199	1,527	28,830	74,422	188,726	140,596	69,098
Rice ..... farms	6,085	5,284	55	499	788	1,491	1,444	1,007
$1,000	2,020,231	1,864,152	11,118	123,305	313,283	563,715	504,539	348,192
Sales of $50,000 or more ..... farms	5,184	4,674	40	419	725	1,368	1,306	816
$1,000	1,995,322	1,846,491	10,704	120,713	311,491	559,961	500,765	342,857
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	43,668	275	2,327	5,375	12,441	11,857	11,393
$1,000	2,024,959	1,908,259	11,658	125,292	315,635	670,766	506,900	278,007
Sales of $50,000 or more ..... farms	10,062	9,570	73	671	1,568	3,331	2,536	1,391
$1,000	1,698,514	1,627,869	8,554	108,464	282,377	588,990	427,234	212,249
Tobacco ..... farms	16,228	11,339	158	936	1,496	3,130	2,910	2,709
$1,000	1,268,114	1,149,435	8,851	64,333	163,694	393,970	302,516	216,071
Sales of $50,000 or more ..... farms	4,495	4,049	43	262	586	1,373	1,089	696
$1,000	1,076,035	1,014,810	6,274	50,949	145,343	358,594	270,354	183,296
Cotton and cottonseed ..... farms	18,591	15,879	163	1,057	2,133	4,535	4,215	3,776
$1,000	4,898,608	4,652,855	24,761	238,397	676,357	1,552,838	1,256,543	903,959
Sales of $50,000 or more ..... farms	13,232	12,253	111	767	1,777	3,729	3,244	2,625
$1,000	4,784,510	4,567,839	23,626	231,060	667,698	1,532,785	1,233,381	879,290
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	43,107	266	2,392	5,258	11,289	11,658	12,244
$1,000	14,683,058	12,922,934	13,974	404,505	1,671,487	4,510,323	3,628,297	2,694,348
Sales of $50,000 or more ..... farms	13,824	12,267	50	671	1,682	4,150	3,337	2,377
$1,000	14,167,307	12,581,539	11,555	381,704	1,628,959	4,423,122	3,536,800	2,599,398
Fruits, tree nuts, and berries ..... farms	112,690	57,177	127	1,643	4,923	12,523	15,935	22,026
$1,000	18,625,459	15,020,434	21,132	406,541	1,450,593	4,593,491	4,384,858	4,163,818
Sales of $50,000 or more ..... farms	28,824	20,450	28	629	2,021	5,488	5,827	6,457
$1,000	17,681,378	14,561,567	20,302	394,987	1,416,447	4,502,667	4,258,831	3,968,332
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	27,797	120	1,383	3,551	8,186	8,233	6,324
$1,000	16,632,734	12,288,042	9,263	330,468	1,644,653	4,093,299	4,113,337	2,097,022
Sales of $50,000 or more ..... farms	17,039	11,874	31	488	1,700	4,001	3,500	2,154
$1,000	16,227,627	12,072,542	7,947	317,276	1,618,556	4,031,894	4,051,206	2,045,662
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	5,490	11	102	398	1,002	1,644	2,333
$1,000	384,594	270,512	42	3,029	27,317	72,497	98,362	69,266
Sales of $50,000 or more ..... farms	1,088	772	-	17	89	202	250	214
$1,000	306,465	230,074	-	2,156	24,455	65,016	86,084	52,363

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARMS AND LAND IN FARMS							
Farms ..... number	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
percent	54.9	0.3	2.8	7.8	16.1	15.3	12.7
Land in farms ..... acres	224,352,128	743,308	8,106,948	25,339,326	57,442,163	68,668,228	64,052,155
Average size of farm ..... acres	185	126	130	148	162	204	228
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS							
Total ..... farms	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
$1,000	46,768,959	131,851	1,980,667	7,568,544	14,194,097	13,061,057	9,832,744
Average per farm ..... dollars	38,623	22,386	31,872	44,180	40,055	38,843	34,998
Farms by economic class:							
Less than $1,000 (see text)	356,992	1,380	16,660	52,330	107,924	100,531	78,167
$1,000 to $2,499	196,723	1,045	9,728	28,858	57,057	53,341	46,694
$2,500 to $4,999	170,597	834	7,991	23,153	48,452	47,149	43,018
$5,000 to $9,999	163,623	814	8,195	21,938	45,736	45,689	41,251
$10,000 to $24,999	153,531	861	8,397	20,229	43,810	43,160	37,074
$25,000 to $49,999	73,628	505	4,825	9,993	21,442	20,678	16,185
$50,000 to $99,999	44,350	235	3,102	6,689	13,512	12,050	8,762
$100,000 to $249,999	30,282	148	2,145	4,685	9,687	8,014	5,603
$250,000 to $499,999	10,439	41	618	1,719	3,428	2,709	1,924
$500,000 to $999,999	5,495	18	286	863	1,728	1,484	1,116
$1,000,000 or more	5,251	9	197	853	1,586	1,445	1,161
$1,000,000 to $2,499,999	3,423	8	141	589	1,052	885	748
$2,500,000 to $4,999,999	986	-	27	144	289	297	229
$5,000,000 or more	842	1	29	120	245	263	184
Total sales ..... farms	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
$1,000	44,989,159	126,260	1,916,238	7,387,039	13,754,505	12,580,550	9,224,568
Grains, oilseeds, dry beans, and dry peas ..... farms	147,989	1,191	11,057	22,543	44,911	39,226	29,061
$1,000	7,360,020	43,486	512,661	1,145,262	2,375,718	1,940,006	1,342,887
Sales of $50,000 or more ..... farms	36,624	215	2,851	5,963	12,197	9,342	6,056
$1,000	5,901,701	28,360	393,301	931,482	1,948,163	1,555,591	1,044,804
Corn ..... farms	100,477	838	7,887	16,015	31,259	26,448	18,030
$1,000	3,924,370	25,973	288,689	625,820	1,277,989	1,035,325	670,574
Sales of $50,000 or more ..... farms	20,344	148	1,621	3,461	6,922	5,139	3,053
$1,000	2,864,681	16,991	199,329	458,476	951,687	761,760	476,437
Wheat ..... farms	35,100	247	2,521	5,196	10,784	9,201	7,151
$1,000	876,419	4,434	51,919	128,902	256,681	227,648	206,835
Sales of $50,000 or more ..... farms	3,718	21	210	584	1,084	933	886
$1,000	531,688	2,024	26,349	79,042	148,582	138,286	137,405
Soybeans ..... farms	80,095	557	5,971	12,165	24,881	21,177	15,344
$1,000	2,099,461	9,091	138,561	315,394	710,507	554,196	371,712
Sales of $50,000 or more ..... farms	10,942	29	702	1,700	3,935	2,909	1,667
$1,000	1,123,674	2,448	61,817	165,218	399,226	299,404	195,561
Sorghum ..... farms	5,362	50	387	795	1,648	1,337	1,145
$1,000	144,724	1,601	9,492	21,403	44,111	36,721	31,396
Sales of $50,000 or more ..... farms	730	6	40	114	236	178	156
$1,000	86,080	938	5,097	12,616	26,379	21,693	19,358
Barley ..... farms	2,623	10	181	386	850	729	467
$1,000	42,267	232	3,987	5,684	13,331	11,249	7,783
Sales of $50,000 or more ..... farms	200	-	23	20	65	55	37
$1,000	23,216	-	2,599	2,440	7,578	6,168	4,431
Rice ..... farms	801	7	56	124	236	229	149
$1,000	156,079	1,275	10,230	29,969	38,309	46,484	29,811
Sales of $50,000 or more ..... farms	510	5	38	86	143	140	98
$1,000	148,831	(D)	(D)	29,087	35,665	44,438	28,769
Other grains, oilseeds, dry beans, and dry peas ..... farms	11,560	58	751	1,798	3,692	3,205	2,056
$1,000	116,701	880	9,782	18,089	34,791	28,384	24,775
Sales of $50,000 or more ..... farms	492	6	51	87	136	117	95
$1,000	70,644	515	5,513	10,821	20,666	16,819	16,310
Tobacco ..... farms	4,889	67	422	831	1,525	1,243	801
$1,000	118,680	549	10,643	16,743	36,943	32,882	20,919
Sales of $50,000 or more ..... farms	446	-	26	67	133	132	88
$1,000	61,225	-	5,185	7,508	18,606	18,090	11,836
Cotton and cottonseed ..... farms	2,712	22	153	377	749	662	749
$1,000	245,754	1,167	11,452	32,862	74,378	56,824	69,071
Sales of $50,000 or more ..... farms	979	13	56	142	250	238	280
$1,000	216,672	1,017	9,953	28,473	65,930	49,639	61,661
Vegetables, melons, potatoes, and sweet potatoes ..... farms	25,993	129	1,494	4,157	8,397	7,331	4,485
$1,000	1,760,125	1,586	57,739	297,326	612,792	541,208	249,473
Sales of $50,000 or more ..... farms	1,557	9	70	224	507	409	338
$1,000	1,585,768	721	47,896	269,556	556,401	490,726	220,469
Fruits, tree nuts, and berries ..... farms	55,513	118	1,529	6,082	15,733	17,494	14,557
$1,000	3,605,025	2,351	108,420	417,908	914,409	1,027,150	1,134,788
Sales of $50,000 or more ..... farms	8,374	13	232	888	2,124	2,598	2,519
$1,000	3,119,811	1,372	94,882	365,497	778,572	874,617	1,004,872
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	22,987	71	1,031	3,190	7,594	6,946	4,155
$1,000	4,344,692	4,301	164,063	630,601	1,378,552	1,172,082	995,093
Sales of $50,000 or more ..... farms	5,165	14	230	725	1,805	1,461	930
$1,000	4,155,085	3,928	155,465	602,928	1,316,165	1,114,874	961,725
Cut Christmas trees and short-rotation woody crops ..... farms	7,884	14	190	753	2,403	2,550	1,974
$1,000	114,081	(D)	(D)	8,940	27,127	38,823	36,464
Sales of $50,000 or more ..... farms	316	1	12	30	97	102	74
$1,000	76,391	(D)	(D)	5,543	15,427	26,661	26,909

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.								
Total - Con.								
Total sales - Con.								
Other crops and hay (see text) ..... farms	434,502	208,485	980	8,384	18,757	43,169	55,649	81,546
$1,000	9,950,098	8,122,685	28,699	413,349	1,091,638	2,630,080	2,272,452	1,686,468
Sales of $50,000 or more ..... farms	27,831	23,995	127	1,557	3,217	7,459	6,544	5,091
$1,000	7,529,077	6,706,700	21,489	349,182	958,997	2,317,081	1,888,382	1,171,569
Cattle and calves ..... farms	798,290	436,069	2,585	20,293	41,913	89,527	110,948	170,803
$1,000	61,209,970	49,568,257	115,923	2,115,221	7,487,339	14,269,999	14,045,331	11,534,443
Sales of $50,000 or more ..... farms	119,983	99,688	379	4,887	12,184	27,452	27,541	27,245
$1,000	53,786,091	45,014,973	90,379	1,900,513	7,068,485	13,350,216	12,898,690	9,706,690
Milk and other dairy products from cows ..... farms	69,763	59,536	650	5,317	10,281	19,433	14,094	9,761
$1,000	31,848,029	29,773,474	148,746	1,648,925	6,055,677	10,314,864	7,184,304	4,420,959
Sales of $50,000 or more ..... farms	50,792	48,012	506	4,268	8,479	16,517	11,441	6,801
$1,000	31,558,210	29,564,532	145,959	1,631,104	6,025,106	10,259,464	7,134,615	4,368,283
Hogs and pigs ..... farms	74,789	40,737	352	2,802	7,298	12,982	9,591	7,712
$1,000	18,056,981	15,196,729	70,949	1,025,377	3,388,061	5,370,675	3,526,342	1,815,325
Sales of $50,000 or more ..... farms	19,956	16,871	98	1,067	3,166	6,317	4,000	2,223
$1,000	17,829,977	15,046,130	69,175	1,015,413	3,365,673	5,325,289	3,488,482	1,782,097
Sheep, goats, and their products ..... farms	121,171	52,363	473	2,519	6,340	11,560	13,523	17,948
$1,000	704,855	493,938	3,251	18,484	55,490	103,992	154,289	158,432
Sales of $50,000 or more ..... farms	1,825	1,532	9	68	204	410	424	417
$1,000	415,640	326,562	1,970	10,227	35,253	65,317	107,399	106,396
Horses, ponies, mules, burros, and donkeys ..... farms	114,317	47,939	301	2,982	6,488	11,352	13,597	13,219
$1,000	2,061,862	1,233,266	1,610	39,446	252,607	388,134	302,932	248,538
Sales of $50,000 or more ..... farms	3,638	2,354	2	96	332	659	696	569
$1,000	1,559,047	989,301	(D)	(D)	219,875	328,306	231,093	183,915
Poultry and eggs ..... farms	148,911	72,496	443	4,494	11,805	19,007	18,696	18,051
$1,000	37,065,947	29,748,726	76,287	1,764,649	5,829,573	9,499,194	7,605,817	4,973,206
Sales of $50,000 or more ..... farms	26,267	21,428	88	1,398	4,011	6,467	5,645	3,819
$1,000	36,932,463	29,677,395	75,762	1,759,388	5,817,622	9,480,135	7,587,405	4,957,083
Aquaculture (see text) ..... farms	6,409	3,549	11	183	549	1,070	1,029	707
$1,000	1,415,271	1,149,709	1,359	54,499	147,053	435,047	314,268	197,483
Sales of $50,000 or more ..... farms	2,449	1,774	8	110	319	583	492	262
$1,000	1,376,454	1,127,532	1,301	53,280	143,757	428,324	307,894	192,976
Other animals and other animal products (see text) ..... farms	43,226	18,866	145	969	2,549	4,650	5,140	5,413
$1,000	1,199,649	785,094	1,114	16,999	141,311	272,602	189,692	163,376
Sales of $50,000 or more ..... farms	2,294	1,643	5	69	221	563	478	307
$1,000	1,066,659	716,587	586	14,417	133,233	253,220	169,525	145,605
Value of-								
Government payments ..... farms	838,391	457,639	2,704	21,589	46,150	108,806	119,191	159,199
$1,000	7,983,922	6,204,122	24,056	274,742	761,318	1,869,041	1,728,872	1,546,092
Landlord's share of total sales (see text) ..... farms	97,706	75,251	689	4,685	9,207	22,677	21,319	16,674
$1,000	6,429,386	5,952,389	26,017	316,027	816,610	2,185,400	1,703,911	904,424
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	136,817	62,262	393	3,136	7,266	14,955	17,255	19,257
$1,000	1,211,270	920,223	2,544	50,389	126,102	292,765	237,585	210,837
FARM PRODUCTION EXPENSES								
Total farm production expenses ..... farms	2,204,792	993,881	5,988	44,591	97,508	211,039	260,056	374,699
$1,000	241,113,666	198,107,215	644,640	9,559,607	30,992,213	63,850,282	54,468,539	38,591,934
Average per farm ..... dollars	109,359	199,327	107,655	214,384	317,843	302,552	209,449	102,994
Fertilizer, lime, and soil conditioners purchased ..... farms	1,148,218	639,854	3,778	30,569	64,954	145,941	170,121	224,491
$1,000	18,107,194	15,694,750	56,354	734,882	2,057,661	5,163,610	4,392,665	3,289,579
Farms with expenses of-								
$1 to $4,999	734,931	316,971	1,821	13,007	26,783	56,058	82,413	136,889
$5,000 to $24,999	249,546	174,915	1,331	9,681	18,382	41,343	45,597	58,581
$25,000 to $49,999	74,633	64,611	333	3,679	8,167	19,536	18,428	14,468
$50,000 or more	89,108	83,357	293	4,202	11,622	29,004	23,683	14,553
Chemicals purchased ..... farms	918,604	531,160	3,311	26,480	56,080	127,075	143,509	174,705
$1,000	10,074,914	8,889,615	30,748	406,898	1,193,229	3,002,228	2,494,930	1,761,583
Farms with expenses of-								
$1 to $4,999	666,084	318,250	2,099	14,473	28,475	61,061	84,284	127,858
$5,000 to $24,999	162,785	129,816	924	7,812	15,858	37,275	35,546	32,401
$25,000 to $49,999	46,594	42,602	174	2,267	5,948	14,344	12,197	7,672
$50,000 or more	43,141	40,492	114	1,928	5,799	14,395	11,482	6,774
Seeds, plants, vines, and trees ..... farms	775,893	477,379	3,109	25,254	53,092	119,991	128,767	147,166
$1,000	11,740,521	10,186,613	37,521	465,646	1,406,586	3,514,557	2,863,663	1,898,639
Farms with expenses of-								
$1 to $999	302,164	128,571	675	4,562	10,766	22,985	35,519	54,064
$1,000 to $4,999	192,154	114,732	911	6,991	11,766	25,249	28,943	40,872
$5,000 to $24,999	173,462	134,457	1,142	8,511	16,255	36,849	36,083	35,617
$25,000 to $49,999	56,320	51,220	246	2,856	7,057	17,202	14,701	9,158
$50,000 or more	51,793	48,399	135	2,334	7,248	17,706	13,521	7,455

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.							
Total - Con.							
Total sales - Con.							
Other crops and hay (see text) ..... farms	226,017	849	11,296	32,182	68,557	64,910	48,223
$1,000	1,827,413	4,710	75,547	206,001	458,421	666,762	415,973
Sales of $50,000 or more ..... farms	3,836	13	209	527	1,059	1,107	921
$1,000	822,377	1,015	24,001	67,882	159,905	376,364	193,210
Cattle and calves ..... farms	362,221	2,431	23,247	57,390	111,715	98,131	69,307
$1,000	11,641,713	28,537	412,943	2,352,758	3,707,538	3,068,519	2,071,417
Sales of $50,000 or more ..... farms	20,295	80	1,418	2,984	5,918	5,494	4,401
$1,000	8,771,118	11,277	229,475	1,927,448	2,837,804	2,263,949	1,501,164
Milk and other dairy products from cows ..... farms	10,227	88	941	2,023	3,239	2,318	1,618
$1,000	2,074,555	3,220	56,278	389,003	600,092	540,993	484,969
Sales of $50,000 or more ..... farms	2,780	14	179	454	885	661	587
$1,000	1,993,678	2,520	48,892	374,701	574,260	521,166	472,139
Hogs and pigs ..... farms	34,052	310	3,007	9,347	12,268	6,209	2,911
$1,000	2,860,251	15,664	169,863	598,264	908,050	927,824	240,587
Sales of $50,000 or more ..... farms	3,085	38	301	694	1,098	670	284
$1,000	2,783,847	14,806	162,065	580,727	881,709	911,485	233,055
Sheep, goats, and their products ..... farms	68,808	633	4,680	14,096	23,289	16,707	9,403
$1,000	210,917	1,230	10,917	26,543	56,296	41,049	74,882
Sales of $50,000 or more ..... farms	293	1	14	41	76	66	95
$1,000	89,078	(D)	(D)	4,696	15,553	9,876	56,807
Horses, ponies, mules, burros, and donkeys ..... farms	66,378	321	4,585	12,463	22,072	18,208	8,729
$1,000	828,596	1,459	19,432	79,312	308,861	217,651	201,881
Sales of $50,000 or more ..... farms	1,284	1	40	193	374	391	285
$1,000	569,746	(D)	(D)	35,459	223,272	142,781	163,844
Poultry and eggs ..... farms	76,415	396	5,070	16,807	27,089	18,069	8,984
$1,000	7,317,221	17,673	289,666	1,110,769	2,116,174	2,078,234	1,704,705
Sales of $50,000 or more ..... farms	4,839	10	289	975	1,622	1,277	666
$1,000	7,255,068	17,210	285,444	1,097,822	2,094,024	2,063,501	1,697,067
Aquaculture (see text) ..... farms	2,860	13	181	483	935	801	447
$1,000	265,561	107	8,768	44,567	87,512	85,375	39,233
Sales of $50,000 or more ..... farms	675	-	46	135	223	156	115
$1,000	248,923	-	7,579	41,271	82,284	80,635	37,153
Other animals and other animal products (see text) ..... farms	24,360	76	1,349	4,205	8,189	6,775	3,766
$1,000	414,555	(D)	(D)	30,179	91,642	145,168	142,226
Sales of $50,000 or more ..... farms	651	-	17	99	206	209	120
$1,000	350,073	-	2,418	20,416	69,202	125,400	132,636
Value of-							
Government payments ..... farms	380,752	1,599	17,332	46,094	101,508	103,254	110,965
$1,000	1,779,800	5,591	64,429	181,505	439,593	480,506	608,176
Landlord's share of total sales (see text) ..... farms	22,455	285	2,164	3,994	7,676	5,663	2,673
$1,000	476,997	2,931	32,411	82,512	173,788	120,598	64,758
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	74,555	355	4,246	14,140	26,585	19,265	9,964
$1,000	291,047	992	14,320	60,168	95,506	74,298	45,763
FARM PRODUCTION EXPENSES							
Total farm production expenses ..... farms	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
$1,000	43,006,451	126,566	1,865,002	7,070,118	13,294,139	12,157,577	8,493,050
Average per farm .....dollars	35,516	21,488	30,011	41,271	37,516	36,156	30,229
Fertilizer, lime, and soil conditioners purchased ..... farms	508,364	2,517	28,556	75,105	157,176	145,826	99,184
$1,000	2,412,444	10,020	138,275	336,459	753,527	680,996	493,166
Farms with expenses of-							
$1 to $4,999	417,960	2,041	22,496	61,960	129,078	120,614	81,771
$5,000 to $24,999	74,631	423	5,079	10,784	22,985	21,092	14,268
$25,000 to $49,999	10,022	34	675	1,565	3,316	2,604	1,828
$50,000 or more	5,751	19	306	796	1,797	1,516	1,317
Chemicals purchased ..... farms	387,444	1,920	22,803	58,876	122,720	110,737	70,388
$1,000	1,185,299	4,212	59,872	162,447	367,202	332,961	258,605
Farms with expenses of-							
$1 to $4,999	347,834	1,731	20,116	52,936	109,871	100,163	63,017
$5,000 to $24,999	32,969	164	2,341	5,077	10,729	8,797	5,861
$25,000 to $49,999	3,992	19	237	540	1,332	1,048	816
$50,000 or more	2,649	6	109	323	788	729	694
Seeds, plants, vines, and trees ..... farms	298,514	1,669	18,891	47,004	95,994	83,854	51,102
$1,000	1,553,908	5,417	86,262	243,860	520,870	414,196	283,303
Farms with expenses of-							
$1 to $999	173,593	796	9,699	27,624	56,336	50,045	29,093
$1,000 to $4,999	77,422	581	5,596	11,808	23,944	21,339	14,154
$5,000 to $24,999	39,005	263	3,136	6,260	12,717	10,303	6,326
$25,000 to $49,999	5,100	23	315	812	1,882	1,254	814
$50,000 or more	3,394	6	145	500	1,115	913	715

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARM PRODUCTION EXPENSES - Con.								
Total farm production expenses - Con.								
Livestock and poultry purchased or leased (see text) ..... farms	490,819	265,968	2,127	16,181	35,129	66,549	70,854	75,128
$1,000	38,003,682	30,884,509	91,369	1,645,218	5,642,094	9,540,443	8,421,162	5,544,222
Farms with expenses of-								
$1 to $4,999	306,414	135,828	1,098	7,120	15,702	30,074	36,385	45,449
$5,000 to $24,999	97,441	59,380	532	4,183	7,718	14,923	15,962	16,062
$25,000 to $99,999	42,768	32,914	295	2,322	4,854	9,279	8,844	7,320
$100,000 to $249,999	24,183	20,314	128	1,416	3,709	6,457	5,172	3,432
$250,000 or more	20,013	17,532	74	1,140	3,146	5,816	4,491	2,865
Breeding livestock purchased or leased (see text) ..... farms	278,572	156,674	1,311	9,453	19,185	38,043	42,073	46,609
$1,000	3,599,873	2,756,105	19,774	181,338	573,012	798,825	685,148	498,010
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	148,046	1,230	9,866	22,412	39,264	38,650	36,624
$1,000	34,403,809	28,128,404	71,595	1,463,881	5,069,082	8,741,619	7,736,015	5,046,212
Feed purchased ..... farms	1,135,968	545,401	3,262	25,387	58,337	118,685	144,553	195,177
$1,000	49,095,106	40,207,404	151,313	2,298,269	7,716,122	12,803,830	10,328,062	6,909,808
Farms with expenses of-								
$1 to $4,999	766,606	300,474	1,623	11,063	25,228	53,007	79,099	130,454
$5,000 to $24,999	245,328	140,826	929	6,944	15,847	32,894	38,832	45,380
$25,000 to $99,999	66,394	54,519	463	4,197	8,232	16,562	13,986	11,079
$100,000 to $249,999	23,472	20,132	118	1,337	3,503	6,523	5,106	3,545
$250,000 or more	34,168	29,450	129	1,846	5,527	9,699	7,530	4,719
Gasoline, fuels, and oils ..... farms	2,148,806	980,047	5,837	43,824	96,026	208,033	256,720	369,607
$1,000	12,912,179	10,432,583	36,674	479,950	1,412,476	3,284,245	2,878,204	2,341,034
Farms with expenses of-								
$1 to $4,999	1,704,545	627,764	3,917	24,548	50,739	104,912	160,239	283,409
$5,000 to $24,999	336,324	254,704	1,640	14,591	31,018	69,671	69,500	68,284
$25,000 to $49,999	64,765	58,191	190	2,985	8,352	19,911	15,987	10,766
$50,000 or more	43,172	39,388	90	1,700	5,917	13,539	10,994	7,148
Utilities (see text) ..... farms	1,102,530	637,637	3,134	28,907	66,721	149,440	171,805	217,630
$1,000	5,917,615	4,817,655	15,242	213,314	682,979	1,535,252	1,316,632	1,054,236
Farms with expenses of-								
$1 to $999	506,560	211,184	1,094	7,692	15,669	33,518	55,273	97,938
$1,000 to $4,999	402,839	262,069	1,329	12,526	26,878	62,195	71,702	87,439
$5,000 to $24,999	157,818	133,461	612	7,268	19,587	43,268	36,446	26,280
$25,000 to $49,999	19,269	16,879	61	798	2,480	5,684	4,641	3,215
$50,000 or more	16,044	14,044	38	623	2,107	4,775	3,743	2,758
Supplies, repairs, and maintenance ..... farms	1,992,234	923,973	5,314	41,179	90,989	198,362	243,367	344,762
$1,000	15,896,723	12,524,115	38,482	529,904	1,696,298	3,904,016	3,555,862	2,799,554
Farms with expenses of-								
$1 to $4,999	1,478,317	546,432	3,538	21,745	44,495	90,883	138,654	247,117
$5,000 to $24,999	389,971	267,452	1,464	14,563	31,084	69,886	73,597	76,858
$25,000 to $49,999	73,014	64,079	224	3,008	8,839	21,549	18,077	12,382
$50,000 or more	50,932	46,010	88	1,863	6,571	16,044	13,039	8,405
Hired farm labor ..... farms	482,186	318,878	1,551	14,355	36,242	85,579	86,570	94,581
$1,000	21,877,661	18,113,858	27,392	583,872	2,483,068	5,858,356	5,404,216	3,756,954
Farms with expenses of-								
$1 to $4,999	262,262	143,642	957	6,788	13,899	30,894	37,439	53,665
$5,000 to $24,999	108,122	81,363	348	3,924	10,144	24,310	21,899	20,738
$25,000 to $99,999	75,938	63,156	190	2,609	8,047	19,914	18,361	14,035
$100,000 to $249,999	21,237	18,279	44	643	2,400	6,206	5,280	3,706
$250,000 or more	14,627	12,438	12	391	1,752	4,255	3,591	2,437
Contract labor ..... farms	182,701	106,849	452	4,650	11,435	26,656	30,212	33,444
$1,000	4,514,166	3,542,160	6,462	114,796	399,414	1,096,888	986,348	938,252
Farms with expenses of-								
$1 to $999	49,657	21,851	104	801	1,738	4,322	6,175	8,711
$1,000 to $4,999	66,104	37,382	170	1,648	3,772	8,816	10,503	12,473
$5,000 to $24,999	45,949	31,470	119	1,506	3,816	8,702	8,914	8,413
$25,000 to $49,999	9,730	7,242	27	330	942	2,137	2,052	1,754
$50,000 or more	11,261	8,904	32	365	1,167	2,679	2,568	2,093
Customwork and custom hauling ..... farms	362,475	228,329	1,363	11,637	24,097	55,790	60,534	74,908
$1,000	4,091,038	3,407,107	12,604	170,939	463,836	1,089,734	914,500	755,494
Farms with expenses of-								
$1 to $999	119,768	56,088	290	2,315	4,316	9,879	14,353	24,935
$1,000 to $4,999	131,318	82,339	577	4,266	8,520	19,368	21,484	28,124
$5,000 to $24,999	83,762	65,805	393	3,753	7,958	18,841	17,987	16,873
$25,000 to $49,999	14,558	12,505	60	709	1,637	3,948	3,510	2,641
$50,000 or more	13,069	11,592	43	594	1,666	3,754	3,200	2,335
Cash rent for land, buildings, and grazing fees ..... farms	490,372	331,568	2,782	21,795	42,446	91,803	89,146	83,596
$1,000	13,274,530	11,848,327	59,815	728,228	1,902,449	4,216,814	3,120,512	1,820,511
Farms with expenses of-								
$1 to $4,999	238,363	124,718	1,069	6,920	12,518	26,184	33,427	44,600
$5,000 to $9,999	59,281	41,876	396	2,948	5,062	11,203	11,333	10,934
$10,000 to $24,999	76,679	60,330	679	4,749	8,030	17,746	16,437	12,689
$25,000 or more	116,049	104,644	638	7,178	16,836	36,670	27,949	15,373

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARM PRODUCTION EXPENSES - Con.							
Total farm production expenses - Con.							
Livestock and poultry purchased or leased (see text) ..... farms	224,851	1,740	18,646	46,204	76,533	55,243	26,485
$1,000	7,119,173	25,733	284,184	1,613,247	2,303,230	1,852,169	1,040,609
Farms with expenses of-							
$1 to $4,999	170,586	1,294	13,399	35,686	58,679	41,850	19,678
$5,000 to $24,999	38,061	357	3,764	7,466	12,610	9,348	4,516
$25,000 to $99,999	9,854	59	1,018	1,796	3,193	2,435	1,353
$100,000 to $249,999	3,869	20	331	789	1,309	931	489
$250,000 or more	2,481	10	134	467	742	679	449
Breeding livestock purchased or leased (see text) ..... farms	121,898	1,108	10,348	23,938	40,900	30,791	14,813
$1,000	843,768	4,296	62,719	166,753	243,661	247,703	118,636
Other livestock and poultry purchased or leased (see text) ..... farms	131,109	989	11,216	29,328	45,633	30,051	13,892
$1,000	6,275,405	21,436	221,465	1,446,494	2,059,570	1,604,466	921,974
Feed purchased ..... farms	590,567	3,448	36,693	100,934	192,280	161,268	95,944
$1,000	8,887,701	22,248	359,825	1,622,570	2,727,455	2,504,142	1,651,461
Farms with expenses of-							
$1 to $4,999	466,132	2,865	29,049	80,363	151,531	126,761	75,563
$5,000 to $24,999	104,502	505	6,319	17,025	34,540	29,306	16,807
$25,000 to $99,999	11,875	42	821	1,956	3,611	3,198	2,247
$100,000 to $249,999	3,340	18	245	653	1,055	773	596
$250,000 or more	4,718	18	259	937	1,543	1,230	731
Gasoline, fuels, and oils ..... farms	1,168,759	5,543	59,921	165,758	342,955	324,923	269,659
$1,000	2,479,596	9,301	120,890	339,532	731,338	688,678	589,857
Farms with expenses of-							
$1 to $4,999	1,076,781	5,177	54,684	152,434	315,013	300,270	249,203
$5,000 to $24,999	81,620	339	4,854	11,975	25,063	21,761	17,628
$25,000 to $49,999	6,574	19	274	862	1,800	1,842	1,777
$50,000 or more	3,784	8	109	487	1,079	1,050	1,051
Utilities (see text) ..... farms	464,893	1,655	23,566	69,324	148,117	134,758	87,473
$1,000	1,099,961	2,513	41,067	152,582	337,882	317,490	248,427
Farms with expenses of-							
$1 to $999	295,376	1,085	14,952	44,041	93,735	85,773	55,790
$1,000 to $4,999	140,770	474	7,416	21,303	45,602	40,836	25,139
$5,000 to $24,999	24,357	92	1,062	3,411	7,545	6,948	5,299
$25,000 to $49,999	2,390	3	73	312	718	618	666
$50,000 or more	2,000	1	63	257	517	583	579
Supplies, repairs, and maintenance ..... farms	1,068,261	4,873	54,515	151,444	315,283	298,373	243,773
$1,000	3,372,608	10,846	141,584	464,832	985,982	971,766	797,597
Farms with expenses of-							
$1 to $4,999	931,885	4,403	47,687	132,506	273,332	259,626	214,331
$5,000 to $24,999	122,519	443	6,352	17,192	37,953	34,703	25,876
$25,000 to $49,999	8,935	20	329	1,153	2,629	2,628	2,176
$50,000 or more	4,922	7	147	593	1,369	1,416	1,390
Hired farm labor ..... farms	163,308	563	7,344	22,666	52,202	47,002	33,531
$1,000	3,763,804	4,255	117,018	451,532	1,157,030	1,106,710	927,259
Farms with expenses of-							
$1 to $4,999	118,620	468	5,770	17,005	38,659	33,895	22,823
$5,000 to $24,999	26,759	69	1,083	3,537	8,468	7,764	5,838
$25,000 to $99,999	12,782	21	364	1,527	3,612	3,805	3,453
$100,000 to $249,999	2,958	2	68	328	823	874	863
$250,000 or more	2,189	3	59	269	640	664	554
Contract labor ..... farms	75,852	209	3,213	9,900	23,103	23,337	16,090
$1,000	972,005	747	25,039	152,097	241,210	310,526	242,386
Farms with expenses of-							
$1 to $999	27,806	98	1,225	3,733	8,658	8,540	5,552
$1,000 to $4,999	28,722	79	1,276	3,868	8,916	8,791	5,792
$5,000 to $24,999	14,479	26	543	1,754	4,268	4,528	3,360
$25,000 to $49,999	2,488	4	102	289	679	721	693
$50,000 or more	2,357	2	67	256	582	757	693
Customwork and custom hauling ..... farms	134,146	585	7,316	18,796	41,239	39,574	26,636
$1,000	683,931	2,253	26,725	105,053	191,714	206,953	151,233
Farms with expenses of-							
$1 to $999	63,680	300	3,426	9,142	19,647	18,542	12,623
$1,000 to $4,999	48,979	199	2,741	6,803	15,339	14,583	9,314
$5,000 to $24,999	17,957	66	962	2,407	5,277	5,443	3,802
$25,000 to $49,999	2,053	17	126	253	578	564	515
$50,000 or more	1,477	3	61	191	398	442	382
Cash rent for land, buildings, and grazing fees ..... farms	158,804	1,497	14,462	27,964	51,580	40,889	22,412
$1,000	1,426,203	9,954	115,198	247,680	458,959	378,411	216,000
Farms with expenses of-							
$1 to $4,999	113,645	1,103	9,764	19,680	36,354	30,164	16,580
$5,000 to $9,999	17,405	167	1,835	3,083	5,738	4,224	2,358
$10,000 to $24,999	16,349	148	1,814	3,071	5,597	3,747	1,972
$25,000 or more	11,405	79	1,049	2,130	3,891	2,754	1,502

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARM PRODUCTION EXPENSES - Con.								
Total farm production expenses - Con.								
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	76,234	740	6,272	11,136	22,523	19,681	15,882
$1,000	1,385,219	1,210,918	8,012	83,445	196,540	401,985	326,215	194,721
Farms with expenses of-								
$1 to $999	39,280	21,417	173	1,470	2,539	5,393	5,725	6,117
$1,000 to $4,999	31,997	22,537	266	1,863	3,285	6,638	5,768	4,717
$5,000 to $24,999	26,656	22,068	215	2,123	3,532	7,054	5,570	3,574
$25,000 to $49,999	5,778	5,194	57	483	886	1,763	1,301	704
$50,000 or more	5,488	5,018	29	333	894	1,675	1,317	770
Interest expense ..... farms	667,454	379,239	2,205	21,841	48,094	104,743	106,840	95,516
$1,000	10,880,731	8,238,540	26,254	386,353	1,214,163	2,696,036	2,333,339	1,582,395
Farms with expenses of-								
$1 to $4,999	289,876	134,649	1,003	7,357	13,581	29,900	37,771	45,037
$5,000 to $24,999	275,988	160,833	948	10,451	21,873	46,464	45,337	35,760
$25,000 to $99,999	87,574	71,413	234	3,610	10,850	24,093	20,194	12,432
$100,000 or more	14,016	12,344	20	423	1,790	4,286	3,538	2,287
Secured by real estate ..... farms	519,095	285,007	1,055	14,431	36,512	80,853	82,115	70,041
$1,000	7,185,334	5,157,125	13,689	220,606	743,223	1,660,792	1,484,313	1,034,502
Farms with expenses of-								
$1 to $999	58,501	25,291	123	1,061	2,594	5,349	6,861	9,303
$1,000 to $4,999	171,356	79,697	330	3,922	8,725	20,171	23,339	23,210
$5,000 to $24,999	225,304	128,938	472	7,306	17,672	38,377	37,226	27,885
$25,000 to $49,999	39,515	30,651	81	1,362	4,530	10,123	8,779	5,776
$50,000 or more	24,419	20,430	49	780	2,991	6,833	5,910	3,867
Not secured by real estate ..... farms	413,327	254,177	1,770	15,764	32,009	70,663	70,160	63,811
$1,000	3,695,397	3,081,415	12,566	165,747	470,939	1,035,243	849,026	547,893
Farms with expenses of-								
$1 to $999	122,808	54,882	355	2,601	5,236	11,395	15,049	20,246
$1,000 to $4,999	153,159	87,873	698	5,758	10,366	22,648	24,495	23,908
$5,000 to $24,999	106,610	83,336	620	5,957	11,976	26,503	22,975	15,305
$25,000 to $49,999	18,841	17,083	69	952	2,658	6,211	4,582	2,611
$50,000 or more	11,909	11,003	28	496	1,773	3,906	3,059	1,741
Property taxes paid ..... farms	1,995,808	895,001	3,729	35,240	87,670	196,037	247,525	324,800
$1,000	6,223,048	3,946,876	8,459	121,442	414,601	1,048,598	1,141,855	1,211,921
Farms with expenses of-								
$1 to $4,999	1,717,819	702,120	3,343	29,761	67,930	143,171	190,696	267,219
$5,000 to $9,999	172,489	112,074	267	3,425	11,488	30,061	32,408	34,425
$10,000 to $24,999	80,800	61,063	102	1,527	6,076	17,040	18,569	17,749
$25,000 or more	24,700	19,744	17	527	2,176	5,765	5,852	5,407
All other production expenses (see text) ..... farms	1,115,703	654,203	3,710	31,980	71,237	156,679	176,900	213,697
$1,000	17,119,339	14,162,182	37,938	596,450	2,110,698	4,693,692	3,990,372	2,733,031
Farms with expenses of-								
$1 to $4,999	765,840	369,553	2,310	16,298	32,860	69,450	97,254	151,381
$5,000 to $24,999	234,512	183,119	1,094	10,737	23,042	52,865	51,068	44,313
$25,000 to $49,999	55,174	48,344	190	2,493	6,966	16,135	13,702	8,858
$50,000 to $99,999	32,742	28,935	67	1,377	4,411	9,780	8,210	5,090
$100,000 or more	27,435	24,252	49	1,075	3,958	8,449	6,666	4,055
Production expenses paid by landlords [1] ..... farms	67,427	55,181	422	3,193	6,978	17,499	15,748	11,341
$1,000	1,556,963	1,437,173	5,570	67,964	206,235	526,456	418,685	212,263
Depreciation expenses claimed (see text) ..... farms	963,340	552,622	2,642	25,831	58,363	131,817	151,263	182,706
$1,000	20,185,540	16,167,815	54,940	798,735	2,352,387	5,108,831	4,447,618	3,405,303
NET CASH FARM INCOME (SEE TEXT)								
Net cash farm income of operations (see text) ..... farms	2,204,792	993,881	5,988	44,591	97,508	211,039	260,056	374,699
$1,000	74,581,098	68,033,725	226,346	3,199,959	10,388,195	22,518,174	18,197,985	13,503,067
Average per farm ..... dollars	33,827	68,453	37,800	71,762	106,537	106,701	69,977	36,037
Farms with net gains [2] ..... number	1,037,041	580,192	3,651	28,497	59,685	132,598	147,157	208,604
Average net gain ..... dollars	89,479	134,925	74,327	129,871	196,862	190,208	142,925	78,172
Gain of-								
Less than $1,000	102,871	31,423	192	957	1,958	4,261	7,473	16,582
$1,000 to $4,999	221,477	77,888	453	2,506	5,076	10,982	18,099	40,772
$5,000 to $9,999	128,828	55,141	345	2,074	3,864	8,402	12,973	27,483
$10,000 to $24,999	170,636	89,333	693	4,193	7,228	16,012	21,822	39,385
$25,000 to $49,999	119,233	77,579	568	4,302	7,636	17,038	19,822	28,213
$50,000 or more	293,996	248,828	1,400	14,465	33,923	75,903	66,968	56,169
Farms with net losses ..... number	1,167,751	413,689	2,337	16,094	37,823	78,441	112,899	166,095
Average net loss ..... dollars	15,596	24,774	19,264	31,129	35,997	34,459	25,105	16,882
Loss of-								
Less than $1,000	134,307	38,898	215	1,074	2,591	5,512	9,338	20,168
$1,000 to $4,999	426,570	129,309	759	4,098	9,717	20,340	34,035	60,360
$5,000 to $9,999	247,156	82,980	466	3,158	7,248	15,131	23,149	33,828
$10,000 to $24,999	225,863	88,006	514	3,894	8,936	17,931	25,440	31,291
$25,000 to $49,999	76,927	37,373	212	1,814	4,423	9,077	10,509	11,338
$50,000 or more	56,928	37,123	171	2,056	4,908	10,450	10,428	9,110

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
FARM PRODUCTION EXPENSES - Con.							
Total farm production expenses - Con.							
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	32,965	224	2,990	6,069	10,980	8,315	4,387
$1,000	174,301	1,023	13,798	30,648	49,527	51,987	27,317
Farms with expenses of-							
$1 to $999	17,863	83	1,401	3,153	6,202	4,667	2,357
$1,000 to $4,999	9,460	101	950	1,854	3,017	2,298	1,240
$5,000 to $24,999	4,588	31	541	869	1,455	1,078	614
$25,000 to $49,999	584	5	69	124	161	141	84
$50,000 or more	470	4	29	69	145	131	92
Interest expense ..... farms	288,215	1,367	19,790	50,970	98,386	78,760	38,942
$1,000	2,642,190	6,954	148,815	433,626	875,597	760,317	416,882
Farms with expenses of-							
$1 to $4,999	155,227	912	10,717	26,088	52,044	43,193	22,273
$5,000 to $24,999	115,155	418	8,208	22,152	40,475	30,354	13,548
$25,000 to $99,999	16,161	34	821	2,544	5,404	4,651	2,707
$100,000 or more	1,672	3	44	186	463	562	414
Secured by real estate ..... farms	234,088	825	15,185	42,016	81,171	64,096	30,795
$1,000	2,028,208	5,041	114,005	340,014	678,366	583,713	307,070
Farms with expenses of-							
$1 to $999	33,210	172	1,967	5,287	10,669	9,262	5,853
$1,000 to $4,999	91,659	320	5,884	16,003	32,083	25,665	11,704
$5,000 to $24,999	96,366	303	6,756	18,763	34,230	25,298	11,016
$25,000 to $49,999	8,864	24	452	1,421	3,036	2,573	1,358
$50,000 or more	3,989	6	126	542	1,153	1,298	864
Not secured by real estate ..... farms	159,150	953	11,435	26,745	52,721	43,420	23,876
$1,000	613,982	1,913	34,810	93,611	197,232	176,604	109,812
Farms with expenses of-							
$1 to $999	67,926	459	4,429	10,973	22,190	18,811	11,064
$1,000 to $4,999	65,286	398	5,134	11,369	21,783	17,728	8,874
$5,000 to $24,999	23,274	93	1,754	4,063	7,964	6,094	3,306
$25,000 to $49,999	1,758	3	93	234	517	506	405
$50,000 or more	906	-	25	106	267	281	227
Property taxes paid ..... farms	1,100,807	4,120	53,281	159,547	337,063	324,078	222,718
$1,000	2,276,172	5,326	83,661	295,452	674,795	702,292	514,646
Farms with expenses of-							
$1 to $4,999	1,015,699	3,963	50,732	149,269	311,862	297,691	202,182
$5,000 to $9,999	60,415	120	1,863	7,612	18,352	18,610	13,858
$10,000 to $24,999	19,737	33	552	2,180	5,654	6,192	5,126
$25,000 or more	4,956	4	134	486	1,195	1,585	1,552
All other production expenses (see text) ..... farms	461,500	2,280	26,766	73,200	147,563	130,882	80,809
$1,000	2,957,157	5,764	102,787	418,500	917,820	877,982	634,303
Farms with expenses of-							
$1 to $4,999	396,287	2,075	23,265	63,335	126,512	112,231	68,869
$5,000 to $24,999	51,393	174	2,928	7,808	16,840	14,723	8,920
$25,000 to $49,999	6,830	15	323	972	2,093	1,934	1,493
$50,000 to $99,999	3,807	14	148	601	1,149	1,093	802
$100,000 or more	3,183	2	102	484	969	901	725
Production expenses paid by landlords [1] ..... farms	12,246	178	1,207	2,123	4,249	3,136	1,353
$1,000	119,790	680	7,803	21,450	42,651	31,976	15,230
Depreciation expenses claimed (see text) ..... farms	410,718	1,507	21,565	60,318	127,292	118,092	81,944
$1,000	4,017,726	9,340	192,145	586,976	1,208,548	1,170,401	850,315
NET CASH FARM INCOME (SEE TEXT)							
Net cash farm income of operations (see text) ..... farms	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
$1,000	6,547,373	12,094	216,577	797,378	1,615,247	1,708,443	2,197,634
Average per farm ..... dollars	5,407	2,053	3,485	4,655	4,558	5,081	7,822
Farms with net gains [2] ..... number	456,849	2,424	22,082	55,787	120,603	123,609	132,344
Average net gain ..... dollars	31,762	16,576	28,052	35,700	34,093	32,640	28,057
Gain of-							
Less than $1,000	71,448	405	3,249	8,819	18,808	19,547	20,620
$1,000 to $4,999	143,589	781	6,561	17,268	36,709	38,666	43,604
$5,000 to $9,999	73,687	404	3,466	8,538	19,011	19,993	22,275
$10,000 to $24,999	81,303	464	4,209	9,554	21,487	21,973	23,616
$25,000 to $49,999	41,654	203	2,312	5,276	11,284	11,188	11,391
$50,000 or more	45,168	167	2,285	6,332	13,304	12,242	10,838
Farms with net losses ..... number	754,062	3,466	40,062	115,523	233,759	212,641	148,611
Average net loss ..... dollars	10,560	8,103	10,056	10,337	10,680	10,939	10,198
Loss of-							
Less than $1,000	95,409	500	4,725	12,577	26,229	26,084	25,294
$1,000 to $4,999	297,261	1,493	15,157	44,059	89,851	84,447	62,254
$5,000 to $9,999	164,176	779	8,968	26,601	53,447	46,277	28,104
$10,000 to $24,999	137,857	530	8,265	23,457	45,248	38,567	21,790
$25,000 to $49,999	39,554	109	2,145	6,296	12,921	11,361	6,722
$50,000 or more	19,805	55	802	2,533	6,063	5,905	4,447

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
NET CASH FARM INCOME (SEE TEXT) - Con.								
Net cash farm income of operators (see text) ... farms	2,204,792	993,881	5,988	44,591	97,508	211,039	260,056	374,699
$1,000	64,197,836	58,778,638	191,529	2,668,283	8,844,491	19,310,214	15,668,119	12,096,002
Average per farm ... dollars	29,117	59,141	31,986	59,839	90,705	91,501	60,249	32,282
Operators reporting net gains [2] ... farms	1,025,783	572,116	3,562	27,910	58,519	130,219	144,985	206,921
Average net gain ... dollars	81,061	121,800	67,586	114,801	176,068	170,998	128,727	72,515
Gain of-								
Less than $1,000	103,330	31,720	183	991	2,019	4,328	7,566	16,633
$1,000 to $4,999	222,713	78,889	496	2,518	5,244	11,240	18,348	41,043
$5,000 to $9,999	129,906	56,032	339	2,105	3,981	8,673	13,232	27,702
$10,000 to $24,999	173,780	92,236	706	4,341	7,514	16,945	22,592	40,138
$25,000 to $49,999	122,964	81,308	614	4,596	8,301	18,200	20,900	28,697
$50,000 or more	273,090	231,931	1,224	13,359	31,460	70,833	62,347	52,708
Operators reporting net losses ... farms	1,179,009	421,765	2,426	16,681	38,989	80,820	115,071	167,778
Average net loss ... dollars	16,075	25,856	20,286	32,121	37,417	36,587	26,031	17,338
Loss of-								
Less than $1,000	135,011	39,245	230	1,117	2,640	5,574	9,451	20,233
$1,000 to $4,999	428,133	130,186	781	4,174	9,849	20,566	34,210	60,606
$5,000 to $9,999	248,731	83,913	470	3,233	7,351	15,368	23,389	34,102
$10,000 to $24,999	228,206	89,631	525	4,003	9,181	18,401	25,857	31,664
$25,000 to $49,999	78,919	38,905	222	1,926	4,660	9,559	10,956	11,582
$50,000 or more	60,009	39,885	198	2,228	5,308	11,352	11,208	9,591
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)								
Total ... farms	50,572	41,980	312	2,795	5,694	13,567	11,337	8,275
$1,000	4,445,758	4,168,801	15,016	233,292	611,133	1,524,895	1,154,802	629,663
INCOME FROM FARM-RELATED SOURCES								
Total income from farm-related sources, gross before taxes and expenses (see text) ... farms	693,187	406,992	2,418	20,030	43,417	98,290	107,881	134,956
$1,000	10,489,874	7,705,008	30,662	385,265	966,966	2,208,597	2,130,968	1,982,550
Customwork and other agricultural services ... farms	121,874	90,533	945	6,822	12,516	26,503	24,515	19,232
$1,000	1,875,665	1,633,670	13,816	128,791	250,557	525,852	448,199	266,454
Gross cash rent or share payments ... farms	241,923	105,736	339	3,037	7,815	18,935	26,673	48,937
$1,000	2,883,897	1,611,538	2,803	56,461	122,119	306,646	413,676	709,833
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ... farms	47,603	23,752	72	769	1,928	4,417	6,525	10,041
$1,000	594,944	314,567	600	6,961	22,499	58,651	87,587	138,270
Agri-tourism and recreational services (see text) ... farms	23,350	13,759	66	482	1,382	3,412	3,996	4,421
$1,000	566,834	373,618	906	11,414	46,705	120,221	114,064	80,307
Patronage dividends and refunds from cooperatives ... farms	288,196	212,362	1,060	10,233	23,563	56,947	57,322	63,237
$1,000	854,995	758,172	1,482	30,674	102,219	250,872	209,915	163,009
Crop and livestock insurance payments received (see text) ... farms	82,001	66,606	467	3,847	8,425	19,925	18,112	15,830
$1,000	1,676,727	1,518,646	6,494	85,610	208,125	493,133	422,391	302,893
Amount from state and local government agricultural program payments (see text) ... farms	34,410	21,993	135	960	2,195	5,166	5,981	7,556
$1,000	145,413	113,009	429	5,181	14,100	31,449	30,841	31,009
Other farm-related income sources (see text) ... farms	118,939	73,004	326	3,416	7,789	17,272	20,364	23,837
$1,000	1,891,400	1,381,788	4,132	60,173	200,640	421,774	404,294	290,775
LAND USE								
Total cropland ... farms	1,685,339	816,810	4,598	36,478	78,667	176,452	213,175	307,440
acres	406,424,909	328,048,904	1,278,211	15,280,720	40,641,498	100,769,837	90,752,895	79,325,743
Harvested cropland ... farms	1,328,004	716,788	4,094	33,012	70,126	159,548	188,496	261,512
acres	309,607,601	267,618,346	1,107,791	13,049,836	35,047,139	85,981,383	74,355,213	58,076,984
Farms by acres harvested:								
1 to 49 acres	700,266	268,314	1,337	9,745	21,362	45,661	69,383	120,826
50 to 99 acres	179,055	94,949	625	4,687	7,685	16,213	23,310	42,429
100 to 199 acres	141,875	90,915	695	4,611	8,662	19,168	23,039	34,740
200 to 499 acres	143,776	111,726	806	6,204	12,124	28,590	29,792	34,210
500 to 999 acres	82,211	73,804	385	4,071	9,244	22,582	21,270	16,252
1,000 to 1,999 acres	53,728	51,018	181	2,583	7,202	17,778	14,422	8,852
2,000 acres or more	27,093	26,062	65	1,111	3,847	9,556	7,280	4,203
Cropland-								
For pasture or grazing only ... farms	404,753	193,760	1,004	8,216	18,551	38,708	49,453	77,828
acres	35,771,154	22,087,484	76,326	965,598	2,088,979	4,655,786	5,762,709	8,538,086
On which all crops failed or were abandoned ... farms	89,587	49,443	287	2,169	4,751	11,389	13,487	17,360
acres	7,405,898	5,799,007	18,048	244,562	614,301	1,608,358	1,656,700	1,657,038
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ... farms	360,225	140,041	395	4,076	11,380	30,479	37,808	55,903
acres	37,968,749	19,008,698	41,551	485,947	1,522,077	4,432,331	4,995,955	7,530,837
In cultivated summer fallow ... farms	67,960	46,146	192	1,962	4,251	11,317	12,308	16,116
acres	15,671,507	13,535,369	34,495	534,777	1,369,002	4,091,979	3,982,318	3,522,798

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
NET CASH FARM INCOME (SEE TEXT) - Con.							
Net cash farm income of operators (see text) ..... farms	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
$1,000	5,419,198	8,081	156,943	606,455	1,231,272	1,386,070	2,030,376
Average per farm ..... dollars	4,475	1,372	2,525	3,540	3,475	4,122	7,227
Operators reporting net gains [2] ..... farms	453,667	2,385	21,800	55,115	119,513	122,845	132,009
Average net gain ..... dollars	29,684	15,373	25,840	32,913	31,452	30,401	26,963
Gain of-							
Less than $1,000	71,610	412	3,284	8,826	18,830	19,596	20,662
$1,000 to $4,999	143,824	782	6,569	17,278	36,821	38,728	43,646
$5,000 to $9,999	73,874	401	3,483	8,603	19,065	20,039	22,283
$10,000 to $24,999	81,544	465	4,172	9,582	21,652	22,018	23,655
$25,000 to $49,999	41,656	176	2,265	5,283	11,260	11,281	11,391
$50,000 or more	41,159	149	2,027	5,543	11,885	11,183	10,372
Operators reporting net losses ..... farms	757,244	3,505	40,344	116,195	234,849	213,405	148,946
Average net loss ..... dollars	10,628	8,155	10,073	10,392	10,763	11,005	10,265
Loss of-							
Less than $1,000	95,766	510	4,765	12,672	26,338	26,162	25,319
$1,000 to $4,999	297,947	1,504	15,202	44,213	90,075	84,641	62,312
$5,000 to $9,999	164,818	782	9,054	26,748	53,688	46,379	28,167
$10,000 to $24,999	138,575	542	8,332	23,583	45,452	38,783	21,883
$25,000 to $49,999	40,014	111	2,183	6,383	13,131	11,435	6,771
$50,000 or more	20,124	56	808	2,596	6,165	6,005	4,494
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)							
Total ..... farms	8,592	81	680	1,389	2,852	2,100	1,490
$1,000	276,958	1,867	20,074	41,560	92,843	74,121	46,493
INCOME FROM FARM-RELATED SOURCES							
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	286,195	1,094	13,738	37,293	81,097	80,488	72,485
$1,000	2,784,866	6,810	100,912	298,952	715,289	804,963	857,940
Customwork and other agricultural services ..... farms	31,341	234	2,836	5,768	9,895	7,975	4,633
$1,000	241,995	1,474	17,814	45,131	66,354	72,065	39,157
Gross cash rent or share payments ..... farms	136,187	328	4,248	14,418	35,023	37,872	44,298
$1,000	1,272,359	2,289	28,869	96,971	281,223	349,258	513,749
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	23,851	95	937	2,901	6,734	7,071	6,113
$1,000	280,377	563	5,523	24,401	70,252	87,804	91,835
Agri-tourism and recreational services (see text) ..... farms	9,591	9	337	1,133	2,682	2,971	2,459
$1,000	193,216	88	4,695	23,142	56,602	72,169	36,520
Patronage dividends and refunds from cooperatives ..... farms	75,834	288	4,160	10,599	23,185	22,088	15,514
$1,000	96,822	123	5,848	12,617	26,711	25,691	25,832
Crop and livestock insurance payments received (see text) ..... farms	15,395	121	1,260	2,483	4,651	4,124	2,756
$1,000	158,080	1,322	11,865	25,279	46,112	42,558	30,943
Amount from state and local government agricultural program payments (see text) ..... farms	12,417	62	643	1,708	3,424	3,441	3,139
$1,000	32,405	174	1,398	3,873	8,098	9,080	9,782
Other farm-related income sources (see text) ..... farms	45,935	155	2,198	6,345	14,042	13,762	9,433
$1,000	509,611	777	24,900	67,539	159,936	146,338	110,121
LAND USE							
Total cropland ..... farms	868,529	3,639	42,637	117,110	250,649	244,065	210,429
acres	78,376,005	297,650	3,601,941	9,422,582	21,187,935	21,528,866	22,337,031
Harvested cropland ..... farms	611,216	2,834	32,742	87,826	186,207	174,604	127,003
acres	41,989,255	195,241	2,445,185	6,080,738	12,895,454	11,675,362	8,697,275
Farms by acres harvested:							
1 to 49 acres	431,952	1,861	21,390	61,938	131,099	124,614	91,050
50 to 99 acres	84,106	485	5,004	11,696	25,176	24,112	17,633
100 to 199 acres	50,960	280	3,409	7,463	15,658	14,171	9,979
200 to 499 acres	32,050	163	2,244	4,872	10,381	8,606	5,784
500 to 999 acres	8,407	30	522	1,358	2,818	2,097	1,582
1,000 to 1,999 acres	2,710	13	138	361	795	714	689
2,000 acres or more	1,031	2	35	138	280	290	286
Cropland-							
For pasture or grazing only ..... farms	210,993	941	10,981	29,957	60,981	57,640	50,493
acres	13,683,670	48,908	551,410	1,431,076	3,418,519	3,630,794	4,602,963
On which all crops failed or were abandoned ..... farms	40,144	166	1,917	5,610	12,206	11,725	8,520
acres	1,606,891	7,546	73,180	189,367	447,265	476,756	412,777
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	220,184	471	6,839	23,041	56,230	62,543	71,060
acres	18,960,051	34,009	466,963	1,405,273	3,923,879	5,196,657	7,933,270
In cultivated summer fallow ..... farms	21,814	99	833	2,674	5,976	6,366	5,866
acres	2,136,138	11,946	65,203	316,128	502,818	549,297	690,746

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LAND USE - Con.								
Total woodland ..... farms	843,294	372,498	1,274	11,673	31,101	73,301	102,373	152,776
acres	75,098,603	39,671,631	82,252	886,397	3,163,358	8,293,874	12,122,521	15,123,229
Woodland pastured ..... farms	370,297	172,910	669	5,519	13,920	31,819	46,312	74,671
acres	28,609,690	17,006,825	33,185	390,849	1,472,936	3,093,301	5,649,674	6,366,880
Woodland not pastured ..... farms	596,123	261,913	811	7,949	22,272	53,593	73,286	104,002
acres	46,488,913	22,664,806	49,067	495,548	1,690,422	5,200,573	6,472,847	8,756,349
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ..... farms	1,132,606	523,336	2,676	21,182	48,499	106,580	139,291	205,108
acres	408,832,116	309,078,454	529,676	8,836,808	37,764,850	76,655,443	83,135,738	102,155,939
Land in house lots, ponds, roads, wasteland, etc. ..... farms	1,126,272	544,269	2,142	19,601	50,757	117,628	146,979	207,162
acres	31,740,212	20,944,723	51,992	638,503	1,985,691	6,199,902	5,468,237	6,600,398
Irrigated land ..... farms	301,028	177,362	949	8,755	19,626	45,504	48,494	54,034
acres	56,599,305	49,821,856	198,008	2,478,325	6,764,243	15,841,807	13,855,488	10,683,985
Harvested cropland ..... farms	256,105	159,754	837	8,104	17,845	41,883	43,692	47,393
acres	51,537,104	46,178,930	183,669	2,355,191	6,369,654	15,013,862	12,751,188	9,505,366
Pastureland and other land ..... farms	72,585	33,996	163	1,271	3,226	7,636	9,591	12,109
acres	5,062,201	3,642,926	14,339	123,134	394,589	827,945	1,104,300	1,178,619
CONSERVATION PRACTICES AND CROP INSURANCE								
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ..... farms	346,231	138,223	344	3,717	11,518	30,869	36,380	55,395
acres	38,547,450	18,106,128	39,206	379,434	1,281,780	3,898,910	4,637,934	7,868,864
Land enrolled in crop insurance programs (see text) ..... farms	349,408	258,703	1,763	14,450	30,356	72,074	69,124	70,936
acres	222,267,817	201,532,654	801,346	9,992,168	26,899,598	67,608,278	56,524,681	39,706,583
ORGANIC AGRICULTURE								
Land used for organic production (see text) ..... farms	20,437	12,260	79	1,007	1,757	3,581	3,567	2,269
acres	2,577,418	2,071,722	8,148	112,603	322,624	658,894	556,618	412,835
Total organic product sales (see text) ..... farms	18,211	11,158	70	944	1,627	3,296	3,217	2,004
$1,000	1,709,111	1,432,770	5,200	87,839	241,579	485,845	395,150	217,156
VALUE OF LAND AND BUILDINGS								
Estimated market value of land and buildings ..... farms	2,204,792	993,881	5,988	44,591	97,508	211,039	260,056	374,699
$1,000	1,744,295,252	1,220,945,923	3,997,457	50,530,096	140,754,458	344,484,998	344,321,897	336,857,017
Average per farm ..... dollars	791,138	1,228,463	667,578	1,133,190	1,443,517	1,632,329	1,324,030	899,007
Average per acre ..... dollars	1,892	1,750	2,058	1,971	1,685	1,795	1,798	1,658
Farms by value group:								
$1 to $49,999	223,182	69,715	886	3,576	7,178	12,952	16,242	28,881
$50,000 to $99,999	212,783	66,076	497	3,009	6,005	11,493	16,312	28,760
$100,000 to $199,999	374,783	125,093	910	5,747	10,966	21,326	30,849	55,295
$200,000 to $499,999	631,939	251,683	1,560	10,976	21,833	44,879	64,206	108,229
$500,000 to $999,999	371,783	190,995	1,045	8,394	18,111	38,854	50,244	74,347
$1,000,000 to $1,999,999	206,282	137,251	671	6,505	14,442	33,936	37,929	43,768
$2,000,000 to $4,999,999	132,549	107,956	336	4,825	13,250	32,693	31,124	25,728
$5,000,000 to $9,999,999	36,072	31,820	63	1,136	4,101	10,572	9,302	6,646
$10,000,000 or more	15,419	13,292	20	423	1,622	4,334	3,848	3,045
VALUE OF MACHINERY AND EQUIPMENT								
Estimated market value of all machinery and equipment ..... farms	2,204,513	993,789	5,988	44,588	97,499	211,019	260,042	374,653
$1,000	194,783,471	139,738,752	699,146	7,078,546	17,852,815	40,677,781	38,094,223	35,336,241
Farms by value group:								
$1 to $4,999	195,820	55,272	403	2,042	4,557	9,016	13,029	26,225
$5,000 to $9,999	217,460	65,161	437	2,323	5,198	10,780	15,598	30,825
$10,000 to $19,999	351,088	115,302	732	4,121	9,197	18,982	28,645	53,625
$20,000 to $49,999	598,289	229,098	1,383	9,365	19,088	39,313	58,602	101,347
$50,000 to $99,999	366,768	180,649	1,140	8,492	16,681	34,953	48,304	71,079
$100,000 to $199,999	232,001	149,335	959	7,748	16,127	36,305	41,002	47,194
$200,000 to $499,999	175,152	137,151	628	7,215	17,739	40,796	37,933	32,840
$500,000 or more	67,935	61,821	306	3,282	8,912	20,874	16,929	11,518
SELECTED MACHINERY AND EQUIPMENT								
Trucks, including pickups (see text) ..... farms	1,783,324	867,717	4,948	37,561	84,682	187,481	230,737	322,308
number	3,512,538	2,102,281	9,728	85,762	219,942	531,495	583,459	671,895
Tractors ..... farms	1,844,647	865,451	4,382	35,154	81,885	183,416	229,708	330,906
number	4,389,812	2,588,564	10,502	94,627	254,421	623,770	709,743	895,501
Less than 40 horsepower (PTO) ..... farms	910,937	404,194	1,618	12,355	34,428	81,021	108,971	165,801
number	1,280,039	614,092	2,321	17,842	51,320	125,460	165,607	251,542
40 to 99 horsepower (PTO) ..... farms	1,238,101	614,939	2,624	21,819	55,153	129,618	166,146	239,579
number	1,998,508	1,125,001	3,982	36,388	99,930	249,564	310,704	424,433
100 horsepower (PTO) or more ..... farms	555,941	374,562	2,258	19,524	42,818	98,923	99,776	111,263
number	1,111,265	849,471	4,199	40,397	103,171	248,746	233,432	219,526
Grain and bean combines, self-propelled ..... farms	295,490	228,002	1,136	10,748	25,745	63,818	62,241	64,314
number	346,935	271,592	1,382	12,655	30,821	77,012	74,281	75,441

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LAND USE - Con.							
Total woodland ..... farms	470,796	1,490	19,242	63,649	140,598	137,817	108,000
acres	35,426,972	69,677	948,180	3,468,118	9,475,825	11,666,113	9,799,059
Woodland pastured ..... farms	197,387	807	9,409	28,932	60,841	56,820	40,578
acres	11,602,865	27,967	404,693	1,207,200	3,007,984	4,251,679	2,703,342
Woodland not pastured ..... farms	334,210	853	12,308	43,204	98,998	98,884	79,963
acres	23,824,107	41,710	543,487	2,260,918	6,467,841	7,414,434	7,095,717
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ..... farms	609,270	3,091	32,278	91,844	188,334	170,834	122,889
acres	99,753,662	352,616	3,229,725	11,320,717	23,991,500	32,234,132	28,624,972
Land in house lots, ponds, roads, wasteland, etc. ..... farms	582,003	2,083	26,285	82,561	177,296	165,852	127,926
acres	10,795,489	23,365	327,102	1,127,909	2,786,903	3,239,117	3,291,093
Irrigated land ..... farms	123,666	408	5,582	16,300	38,441	36,943	25,992
acres	6,777,449	19,794	261,546	817,135	1,848,738	2,103,397	1,726,839
Harvested cropland ..... farms	96,351	314	4,117	12,365	29,482	29,117	20,956
acres	5,358,174	15,796	200,017	639,498	1,457,034	1,707,440	1,338,389
Pastureland and other land ..... farms	38,589	120	1,898	5,391	12,708	11,390	7,082
acres	1,419,275	3,998	61,529	177,637	391,704	395,957	388,450
CONSERVATION PRACTICES AND CROP INSURANCE							
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ..... farms	208,008	485	6,060	20,845	49,586	56,054	74,978
acres	20,441,322	41,179	460,771	1,438,193	4,129,626	5,386,811	8,984,742
Land enrolled in crop insurance programs (see text) ..... farms	90,705	702	6,575	13,177	26,641	24,115	19,495
acres	20,735,163	108,039	1,281,503	3,066,166	6,313,075	5,695,653	4,270,727
ORGANIC AGRICULTURE							
Land used for organic production (see text) ..... farms	8,177	30	429	1,228	2,885	2,557	1,048
acres	505,696	1,325	14,736	72,572	139,605	197,441	80,017
Total organic product sales (see text) ..... farms	7,053	28	380	1,072	2,493	2,214	866
$1,000	276,342	569	4,908	42,793	102,875	91,813	33,383
VALUE OF LAND AND BUILDINGS							
Estimated market value of land and buildings ..... farms	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
$1,000	523,349,329	1,580,797	21,283,410	65,434,057	149,316,525	155,467,875	130,266,665
Average per farm ..... dollars	432,195	268,387	342,485	381,963	421,367	462,358	463,657
Average per acre ..... dollars	2,333	2,127	2,625	2,582	2,599	2,264	2,034
Farms by value group:							
$1 to $49,999	153,467	1,426	9,745	22,724	43,359	38,931	37,282
$50,000 to $99,999	146,707	896	8,241	21,376	41,788	38,777	35,629
$100,000 to $199,999	249,690	1,346	14,312	37,437	72,996	67,062	56,537
$200,000 to $499,999	380,256	1,433	18,641	55,216	114,317	108,020	82,629
$500,000 to $999,999	180,788	541	7,447	22,955	53,457	53,703	42,685
$1,000,000 to $1,999,999	69,031	177	2,620	8,184	20,045	20,308	17,697
$2,000,000 to $4,999,999	24,593	57	980	2,799	6,835	7,367	6,555
$5,000,000 to $9,999,999	4,252	13	109	420	1,076	1,357	1,277
$10,000,000 or more	2,127	1	49	199	489	725	664
VALUE OF MACHINERY AND EQUIPMENT							
Estimated market value of all machinery and equipment ..... farms	1,210,724	5,890	62,135	171,288	354,337	336,194	280,880
$1,000	55,044,719	271,573	3,194,621	8,070,254	16,378,804	15,227,152	11,902,315
Farms by value group:							
$1 to $4,999	140,548	864	6,818	18,167	38,470	37,798	38,431
$5,000 to $9,999	152,299	749	6,796	20,406	42,552	41,765	40,031
$10,000 to $19,999	235,786	1,034	10,861	32,445	68,113	65,776	57,557
$20,000 to $49,999	369,191	1,758	19,328	53,752	109,979	103,659	80,715
$50,000 to $99,999	186,119	879	10,435	27,407	56,318	52,203	38,877
$100,000 to $199,999	82,666	383	4,950	12,424	25,814	23,179	15,916
$200,000 to $499,999	38,001	175	2,494	5,814	11,350	10,200	7,968
$500,000 or more	6,114	48	453	873	1,741	1,614	1,385
SELECTED MACHINERY AND EQUIPMENT							
Trucks, including pickups (see text) ..... farms	915,607	4,584	49,290	134,794	273,520	255,567	197,852
number	1,410,257	7,017	76,176	207,453	427,902	395,014	296,695
Tractors ..... farms	979,196	3,897	45,666	135,369	289,840	279,123	225,301
number	1,801,248	7,090	82,190	239,365	533,809	522,610	416,184
Less than 40 horsepower (PTO) ..... farms	506,743	1,679	20,531	67,132	149,115	147,494	120,792
number	665,947	2,204	26,327	85,664	194,070	194,915	162,767
40 to 99 horsepower (PTO) ..... farms	623,162	2,411	28,912	85,617	185,853	180,140	140,229
number	873,507	3,380	39,032	115,751	259,973	257,209	198,162
100 horsepower (PTO) or more ..... farms	181,379	1,022	11,462	26,259	55,145	48,727	38,764
number	261,794	1,506	16,831	37,950	79,766	70,486	55,255
Grain and bean combines, self-propelled ..... farms	67,488	481	4,775	10,383	21,961	18,114	11,774
number	75,343	525	5,258	11,518	24,508	20,297	13,237

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
SELECTED MACHINERY AND EQUIPMENT - Con.								
Cotton pickers and strippers, self-propelled ... farms	12,500	11,299	94	711	1,636	3,412	2,974	2,472
number	18,162	16,579	108	922	2,333	5,078	4,396	3,742
Forage harvesters, self-propelled ... farms	60,133	41,586	239	2,201	5,153	11,502	10,728	11,763
number	64,191	45,018	254	2,354	5,620	12,500	11,623	12,667
Hay balers ... farms	593,543	333,322	1,507	13,399	30,865	71,481	88,356	127,714
number	727,501	415,260	1,819	16,198	38,433	90,008	111,288	157,514
FERTILIZERS AND CHEMICALS								
Commercial fertilizer, lime, and soil conditioners ... farms	1,022,036	586,700	3,502	28,455	59,884	135,846	156,475	202,538
acres treated	265,995,497	230,625,710	971,207	11,526,700	30,212,937	74,009,547	63,882,923	50,022,396
Manure ... farms	307,073	195,051	1,144	10,918	24,539	52,215	52,339	53,896
acres treated	22,096,315	18,601,976	74,471	988,472	2,750,424	5,938,935	4,994,040	3,855,634
Acres treated with chemicals to control-								
Insects ... farms	354,357	240,113	1,652	13,925	29,190	65,173	64,510	65,663
acres	90,947,822	81,604,517	352,471	4,332,892	11,488,407	26,967,832	22,528,880	15,934,035
Weeds, grass, or brush ... farms	703,884	423,934	2,801	22,549	45,952	105,327	115,640	131,665
acres	226,295,783	200,200,960	918,591	10,606,562	27,274,877	66,358,571	56,205,552	38,836,807
Nematodes ... farms	34,992	24,212	184	1,412	3,080	6,767	6,645	6,124
acres	7,560,158	6,663,805	37,022	343,109	936,744	2,209,434	1,875,432	1,262,064
Diseases in crops and orchards ... farms	97,333	66,379	506	4,400	8,639	18,990	17,834	16,010
acres	22,693,212	20,730,976	129,832	1,462,505	3,392,220	7,069,954	5,485,959	3,190,506
Chemicals used to control growth, thin fruit, ripen, or defoliate ... farms	44,638	32,022	218	1,910	3,974	9,128	8,828	7,964
acres treated	12,125,799	11,261,841	52,277	638,481	1,585,435	3,703,753	3,182,628	2,099,267
TENURE								
Full owners ... farms	1,522,033	574,660	2,053	17,073	45,366	100,028	147,972	262,168
Part owners ... farms	542,192	344,151	1,358	16,044	39,615	92,147	97,095	97,892
Tenants ... farms	140,567	75,070	2,577	11,474	12,527	18,864	14,989	14,639
OWNED AND RENTED LAND								
Land owned ... farms	2,072,101	923,048	3,442	33,328	85,376	192,925	245,995	361,982
acres	646,247,118	440,442,393	658,347	9,849,032	45,112,048	103,373,655	119,170,134	162,279,177
Owned land in farms ... farms	2,064,225	918,811	3,411	33,117	84,981	192,175	245,067	360,060
acres	571,303,487	403,894,511	593,563	8,967,374	43,022,212	97,786,282	110,114,116	143,410,964
Land rented or leased from others ... farms	689,102	422,458	3,943	27,632	52,349	111,584	112,870	114,080
acres	355,918,954	297,355,142	1,354,760	16,853,348	40,857,115	95,036,245	82,314,503	60,939,171
Rented or leased land in farms ... farms	682,759	419,221	3,935	27,518	52,142	111,011	112,084	112,531
acres	350,792,353	293,849,201	1,348,568	16,675,054	40,533,185	94,132,774	81,365,275	59,794,345
Land rented or leased to others ... farms	314,140	130,084	450	3,586	9,342	22,625	32,531	61,550
acres	80,070,232	40,053,823	70,976	1,059,952	2,413,766	6,490,844	10,005,246	20,013,039
NUMBER OF OPERATORS								
Total operators ... number	3,337,450	1,522,053	9,299	69,458	154,307	332,578	403,630	552,781
Farms by number of operators:								
1 operator	1,273,122	570,236	3,570	24,181	51,465	114,817	143,942	232,261
2 operators	786,598	347,833	1,783	17,176	38,665	78,322	96,262	115,625
3 operators	112,285	58,980	500	2,526	5,468	13,612	15,386	21,488
4 operators	22,529	11,510	74	490	1,245	2,866	3,066	3,769
5 or more operators	10,258	5,322	61	218	665	1,422	1,400	1,556
Total women operators ... number	1,008,943	421,909	2,322	18,725	45,405	94,738	115,412	145,307
Farms by number of women operators:								
1 operator	894,347	373,101	1,662	16,599	39,564	82,607	103,062	129,607
2 operators	45,408	19,641	251	839	2,275	4,884	5,039	6,353
3 operators	5,439	2,229	39	100	271	543	562	714
4 operators	1,017	383	1	16	66	107	83	110
5 or more operators	546	214	5	13	38	52	40	66
PRINCIPAL OPERATOR CHARACTERISTICS								
Sex of operator:								
Male	1,898,583	872,082	5,242	39,908	83,570	182,175	229,242	331,945
Female	306,209	121,799	746	4,683	13,938	28,864	30,814	42,754
Primary occupation:								
Farming	993,881	993,881	5,988	44,591	97,508	211,039	260,056	374,699
Other	1,210,911	-	-	-	-	-	-	-
Place of residence:								
On farm operated	1,693,362	818,964	3,874	32,313	77,384	172,969	218,620	313,804
Not on farm operated	511,430	174,917	2,114	12,278	20,124	38,070	41,436	60,895
Days worked off farm:								
None	777,747	570,531	1,669	15,825	41,633	102,217	145,699	263,488
Any	1,427,045	423,350	4,319	28,766	55,875	108,822	114,357	111,211
1 to 49 days	238,479	105,203	1,099	6,494	12,604	24,739	28,758	31,509
50 to 99 days	115,578	54,459	528	2,995	6,133	12,791	15,488	16,524
100 to 199 days	196,687	75,372	721	4,550	9,425	19,582	21,808	19,286
200 days or more	876,301	188,316	1,971	14,727	27,713	51,710	48,303	43,892
Years on present farm:								
2 years or less	84,883	27,834	1,941	4,959	5,058	6,011	5,796	4,069
3 or 4 years	138,858	45,042	1,888	7,586	8,467	10,176	10,155	6,770
5 to 9 years	359,545	120,613	2,159	17,863	21,517	28,639	28,374	22,061

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
SELECTED MACHINERY AND EQUIPMENT - Con.							
Cotton pickers and strippers, self-propelled ... farms	1,201	6	70	170	365	312	278
number	1,583	6	83	218	495	403	378
Forage harvesters, self-propelled ... farms	18,547	86	1,143	3,116	6,207	4,817	3,178
number	19,173	87	1,174	3,203	6,457	4,953	3,299
Hay balers ... farms	260,221	1,146	13,212	38,205	82,517	74,853	50,288
number	312,241	1,371	15,735	46,016	99,981	90,025	59,113
FERTILIZERS AND CHEMICALS							
Commercial fertilizer, lime, and soil conditioners ... farms	435,336	2,156	24,879	64,266	134,949	124,994	84,092
acres treated	35,369,787	170,017	2,112,590	5,093,873	10,825,496	9,867,958	7,299,853
Manure ... farms	112,022	523	7,343	19,258	38,640	30,866	15,392
acres treated	3,494,339	11,747	215,025	537,788	1,169,901	954,739	605,139
Acres treated with chemicals to control-							
Insects ... farms	114,244	642	7,235	17,108	35,324	32,059	21,876
acres	9,343,305	48,255	572,635	1,318,985	2,786,842	2,616,454	2,000,134
Weeds, grass, or brush ... farms	279,950	1,532	17,742	43,664	89,894	79,362	47,756
acres	26,094,823	147,697	1,733,827	3,836,384	8,327,400	7,154,615	4,894,900
Nematodes ... farms	10,780	50	645	1,590	3,363	3,077	2,055
acres	896,353	2,494	48,687	127,936	276,506	262,201	178,529
Diseases in crops and orchards ... farms	30,954	147	1,847	4,278	9,371	9,010	6,301
acres	1,962,236	11,180	151,171	302,851	580,358	529,325	387,351
Chemicals used to control growth, thin fruit, ripen, or defoliate ... farms	12,616	61	648	1,735	3,753	3,508	2,911
acres treated	863,958	3,126	42,372	108,316	234,607	260,613	214,924
TENURE							
Full owners ... farms	947,373	3,118	38,260	123,117	268,431	269,643	244,804
Part owners ... farms	198,041	878	14,015	34,998	66,732	53,569	27,849
Tenants ... farms	65,497	1,894	9,869	13,195	19,199	13,038	8,302
OWNED AND RENTED LAND							
Land owned ... farms	1,149,053	4,029	52,435	158,587	336,136	324,160	273,706
acres	205,804,725	343,283	4,662,820	19,229,953	47,049,675	64,540,851	69,978,143
Owned land in farms ... farms	1,145,414	3,996	52,275	158,115	335,163	323,212	272,653
acres	167,408,976	294,285	3,873,831	16,440,514	39,801,105	53,312,751	53,686,490
Land rented or leased from others ... farms	266,644	2,782	24,009	48,559	86,787	67,474	37,033
acres	58,563,812	456,741	4,293,044	9,060,384	18,020,909	15,938,109	10,794,625
Rented or leased land in farms ... farms	263,538	2,772	23,884	48,193	85,931	66,607	36,151
acres	56,943,152	449,023	4,233,117	8,898,812	17,641,058	15,355,477	10,365,665
Land rented or leased to others ... farms	184,056	440	5,709	18,977	46,451	51,670	60,809
acres	40,016,409	56,716	848,916	2,951,011	7,628,421	11,810,732	16,720,613
NUMBER OF OPERATORS							
Total operators ... number	1,815,397	9,010	96,551	268,855	546,318	501,436	393,227
Farms by number of operators:							
1 operator	702,886	3,531	32,505	87,040	191,681	196,671	191,458
2 operators	438,765	1,804	26,239	75,224	141,871	121,138	72,489
3 operators	53,305	448	2,611	6,553	15,638	14,301	13,754
4 operators	11,019	56	554	1,713	3,698	2,803	2,195
5 or more operators	4,936	51	235	780	1,474	1,337	1,059
Total women operators ... number	587,034	2,732	29,658	90,439	181,745	158,978	123,482
Farms by number of women operators:							
1 operator	521,246	2,064	26,971	81,080	161,160	141,362	108,609
2 operators	25,767	258	1,064	3,579	8,029	6,909	5,928
3 operators	3,210	24	118	464	999	894	711
4 operators	634	11	26	137	181	165	114
5 or more operators	332	6	16	39	122	74	75
PRINCIPAL OPERATOR CHARACTERISTICS							
Sex of operator:							
Male	1,026,501	4,836	55,541	149,804	306,210	289,909	220,201
Female	184,410	1,054	6,603	21,506	48,152	46,341	60,754
Primary occupation:							
Farming	-	-	-	-	-	-	-
Other	1,210,911	5,890	62,144	171,310	354,362	336,250	280,955
Place of residence:							
On farm operated	874,398	3,369	42,710	131,082	268,494	246,922	181,821
Not on farm operated	336,513	2,521	19,434	40,228	85,868	89,328	99,134
Days worked off farm:							
None	207,216	457	3,253	10,966	26,135	47,244	119,161
Any	1,003,695	5,433	58,891	160,344	328,227	289,006	161,794
1 to 49 days	133,276	683	6,088	16,586	34,357	36,938	38,624
50 to 99 days	61,119	335	2,986	8,074	15,873	18,157	15,694
100 to 199 days	121,315	772	6,161	16,559	34,986	38,364	24,473
200 days or more	687,985	3,643	43,656	119,125	243,011	195,547	83,003
Years on present farm:							
2 years or less	57,049	1,858	9,618	13,382	16,260	11,273	4,658
3 or 4 years	93,816	1,904	13,742	23,054	28,856	18,805	7,455
5 to 9 years	238,932	2,128	24,942	54,419	79,240	53,733	24,470

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
PRINCIPAL OPERATOR CHARACTERISTICS - Con.								
Years on present farm - Con.								
10 years or more	1,621,506	800,392	-	14,183	62,466	166,213	215,731	341,799
Average years on present farm	21.6	25.5	3.9	7.6	13.2	19.9	24.6	35.0
Age group:								
Under 25 years	11,878	5,988	5,988	-	-	-	-	-
25 to 34 years	106,735	44,591	-	44,591	-	-	-	-
35 to 44 years	268,818	97,508	-	-	97,508	-	-	-
45 to 49 years	256,694	94,177	-	-	-	94,177	-	-
50 to 54 years	308,707	116,862	-	-	-	116,862	-	-
55 to 59 years	312,577	125,892	-	-	-	-	125,892	-
60 to 64 years	283,729	134,164	-	-	-	-	134,164	-
65 to 69 years	235,152	130,683	-	-	-	-	-	130,683
70 years and over	420,502	244,016	-	-	-	-	-	244,016
Average age	57.1	59.2	22.0	30.3	40.3	49.8	59.6	73.2
Spanish, Hispanic, or Latino origin (see text)	55,570	24,933	144	1,102	2,964	5,627	6,510	8,586
Race:								
American Indian or Alaska Native	34,706	17,682	110	768	1,806	3,466	4,272	7,260
Asian	11,214	6,398	48	240	812	1,665	1,853	1,780
Black or African American	30,599	13,588	75	281	822	2,202	3,953	6,255
Native Hawaiian or Other Pacific Islander	1,356	631	-	10	74	155	208	184
White	2,114,325	949,809	5,736	43,084	93,508	202,470	248,062	356,949
More than one race reported	12,592	5,773	19	208	486	1,081	1,708	2,271
Farms by number of persons living in operator's household:								
1 person	275,842	128,832	1,619	5,939	8,140	20,459	30,400	62,275
2 people	1,108,995	540,435	1,595	9,990	16,617	75,850	170,153	266,230
3 people	330,188	134,657	1,309	8,918	15,570	44,008	35,258	29,594
4 people	285,919	104,837	839	10,479	28,405	40,052	15,127	9,935
5 or more people	203,848	85,120	626	9,265	28,776	30,670	9,118	6,665
Percent of operator's total household income from farming:								
Less than 25 percent	1,583,710	513,042	2,746	18,131	41,591	85,608	131,023	233,943
25 to 49 percent	174,800	101,743	577	4,687	8,699	19,144	24,206	44,430
50 to 74 percent	187,421	139,992	842	7,002	14,245	31,015	32,862	54,026
75 to 99 percent	147,092	131,383	1,045	7,739	15,660	34,546	31,562	40,831
100 percent	111,769	107,721	778	7,032	17,313	40,726	40,403	1,469
Operator is a hired manager ... farms	59,759	40,781	357	2,837	6,192	12,704	10,477	8,214
acres	120,672,499	100,730,304	189,245	3,547,327	21,899,746	32,019,671	23,821,219	19,253,096
Farms with-								
Internet access	1,246,723	557,275	3,848	30,151	68,315	146,580	160,059	148,322
High-speed internet access	726,700	319,409	2,553	19,504	42,258	88,475	90,461	76,158
Farms by number of households sharing in net income of farm:								
1 household	1,733,827	740,613	4,846	35,302	74,784	157,849	194,077	273,755
2 households	356,707	192,037	819	6,690	15,535	36,853	50,274	81,866
3 households	66,438	37,133	204	1,335	3,524	9,471	9,902	12,697
4 households	30,004	14,736	76	701	2,111	4,124	3,580	4,144
5 households or more	17,816	9,362	43	563	1,554	2,742	2,223	2,237
FARMS BY TYPE OF ORGANIZATION								
Family or individual ... farms	1,906,335	829,119	5,309	37,963	79,712	169,000	215,891	321,244
acres	574,150,050	419,234,058	1,555,916	18,021,543	45,022,316	112,033,202	115,481,115	127,119,966
Partnership ... farms	174,247	93,302	482	3,874	9,337	21,257	23,992	34,360
acres	161,416,999	129,443,797	253,483	4,100,498	13,822,829	35,789,869	36,543,832	38,933,286
Registered under state law ... farms	89,739	51,918	211	2,260	5,763	13,535	13,890	16,259
acres	114,284,815	92,238,034	165,048	2,867,436	10,421,128	26,542,895	26,173,752	26,067,775
Corporation ... farms	96,074	61,348	152	2,366	7,557	18,641	17,715	14,917
acres	125,319,810	104,281,352	89,929	2,675,897	11,155,233	30,649,115	32,526,818	27,184,360
Family held ... farms	85,837	56,216	136	2,058	6,789	17,065	16,378	13,790
acres	114,264,200	96,802,958	80,307	2,340,888	10,157,946	28,394,539	30,093,013	25,736,265
More than 10 stockholders ... farms	2,041	1,245	6	52	156	342	356	333
10 or less stockholders ... farms	83,796	54,971	130	2,006	6,633	16,723	16,022	13,457
Other than family held ... farms	10,237	5,132	16	308	768	1,576	1,337	1,127
acres	11,055,610	7,478,394	9,622	335,009	997,287	2,254,576	2,433,805	1,448,095
More than 10 stockholders ... farms	907	435	-	33	63	163	115	61
10 or less stockholders ... farms	9,330	4,697	16	275	705	1,413	1,222	1,066
Other-cooperative, estate or trust, institutional, etc ... farms	28,136	10,112	45	388	902	2,141	2,458	4,178
acres	61,208,981	44,784,505	42,803	844,490	13,555,019	13,446,870	6,927,626	9,967,697
HIRED FARM LABOR								
Hired farm labor ... farms	482,186	318,878	1,551	14,355	36,242	85,579	86,570	94,581
workers	2,636,509	2,001,512	5,494	73,477	256,283	619,106	563,368	483,784
Workers by days worked:								
150 days or more ... farms	201,292	158,101	605	6,704	19,989	48,293	44,142	38,368
workers	911,439	744,080	1,425	25,225	100,375	240,334	218,004	158,717
Less than 150 days ... farms	384,051	243,975	1,246	11,089	26,997	64,259	65,105	75,279
workers	1,725,070	1,257,432	4,069	48,252	155,908	378,772	345,364	325,067

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
PRINCIPAL OPERATOR CHARACTERISTICS - Con.							
Years on present farm - Con.							
10 years or more	821,114	-	13,842	80,455	230,006	252,439	244,372
Average years on present farm	18.4	4.0	6.6	10.2	14.7	19.5	29.7
Age group:							
Under 25 years	5,890	5,890	-	-	-	-	-
25 to 34 years	62,144	-	62,144	-	-	-	-
35 to 44 years	171,310	-	-	171,310	-	-	-
45 to 49 years	162,517	-	-	-	162,517	-	-
50 to 54 years	191,845	-	-	-	191,845	-	-
55 to 59 years	186,685	-	-	-	-	186,685	-
60 to 64 years	149,565	-	-	-	-	149,565	-
65 to 69 years	104,469	-	-	-	-	-	104,469
70 years and over	176,486	-	-	-	-	-	176,486
Average age	55.4	21.9	30.7	40.3	49.8	59.1	73.3
Spanish, Hispanic, or Latino origin (see text)	30,637	154	1,598	5,247	9,368	7,822	6,448
Race:							
American Indian or Alaska Native	17,024	117	1,207	2,839	5,394	4,314	3,153
Asian	4,816	29	199	699	1,411	1,435	1,043
Black or African American	17,011	83	441	1,706	4,275	5,534	4,972
Native Hawaiian or Other Pacific Islander	725	7	31	126	242	183	136
White	1,164,516	5,617	59,938	164,987	340,912	322,815	270,247
More than one race reported	6,819	37	328	953	2,128	1,969	1,404
Farms by number of persons living in operator's household:							
1 person	147,010	1,419	6,754	12,344	31,413	39,306	55,774
2 people	568,560	1,528	13,951	29,185	128,735	213,422	181,739
3 people	195,531	1,371	13,276	30,332	78,050	48,600	23,902
4 people	181,082	952	17,221	56,156	71,946	22,678	12,129
5 or more people	118,728	620	10,942	43,293	44,218	12,244	7,411
Percent of operator's total household income from farming:							
Less than 25 percent	1,070,668	4,787	54,750	153,669	316,340	299,085	242,037
25 to 49 percent	73,057	495	4,132	9,560	20,191	19,455	19,224
50 to 74 percent	47,429	398	2,445	5,835	12,624	12,222	13,905
75 to 99 percent	15,709	171	616	1,691	3,754	3,948	5,529
100 percent	4,048	39	201	555	1,453	1,540	260
Operator is a hired manager ... farms	18,978	127	1,178	2,872	5,645	5,064	4,092
acres	19,942,195	164,540	303,216	2,052,494	4,970,338	8,283,264	4,168,343
Farms with-							
Internet access	689,448	3,683	40,015	116,888	229,639	191,109	108,114
High-speed internet access	407,291	2,268	24,573	69,203	136,410	112,116	62,721
Farms by number of households sharing in net income of farm:							
1 household	993,214	5,021	52,716	145,847	296,281	273,322	220,027
2 households	164,670	669	7,095	17,998	42,234	48,940	47,734
3 households	29,305	131	1,163	3,311	8,425	8,295	7,980
4 households	15,268	49	696	2,678	4,933	3,705	3,207
5 households or more	8,454	20	474	1,476	2,489	1,988	2,007
FARMS BY TYPE OF ORGANIZATION							
Family or individual ... farms	1,077,216	5,350	56,796	156,095	319,059	298,675	241,241
acres	154,915,992	519,397	6,548,549	18,444,821	42,134,010	44,437,094	42,832,121
Partnership ... farms	80,945	341	3,564	9,318	20,728	22,557	24,437
acres	31,973,202	55,386	838,701	3,109,431	7,370,080	9,850,749	10,748,855
Registered under state law ... farms	37,821	99	1,490	4,476	10,233	10,860	10,663
acres	22,046,781	18,259	483,989	2,165,081	5,088,102	7,091,433	7,199,917
Corporation ... farms	34,726	95	1,175	4,263	10,518	10,008	8,667
acres	21,038,458	(D)	(D)	1,578,217	6,063,606	5,843,791	7,207,297
Family held ... farms	29,621	74	979	3,581	8,909	8,571	7,507
acres	17,461,242	8,927	283,813	1,310,027	4,900,104	4,787,622	6,170,749
More than 10 stockholders ... farms	796	5	26	56	247	216	246
10 or less stockholders ... farms	28,825	69	953	3,525	8,662	8,355	7,261
Other than family held ... farms	5,105	21	196	682	1,609	1,437	1,160
acres	3,577,216	(D)	(D)	268,190	1,163,502	1,056,169	1,036,548
More than 10 stockholders ... farms	472	-	10	72	128	135	127
10 or less stockholders ... farms	4,633	21	186	610	1,481	1,302	1,033
Other-cooperative, estate or trust, institutional, etc ... farms	18,024	104	609	1,634	4,057	5,010	6,610
acres	16,424,476	(D)	(D)	2,206,857	1,874,467	8,536,594	3,263,882
HIRED FARM LABOR							
Hired farm labor ... farms	163,308	563	7,344	22,666	52,202	47,002	33,531
workers	634,997	1,453	25,455	84,419	204,213	184,578	134,879
Workers by days worked:							
150 days or more ... farms	43,191	116	1,606	5,749	12,975	12,446	10,299
workers	167,359	253	5,662	21,713	50,983	48,654	40,094
Less than 150 days ... farms	140,076	484	6,446	19,504	45,312	40,369	27,961
workers	467,638	1,200	19,793	62,706	153,230	135,924	94,785

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
HIRED FARM LABOR - Con.								
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	28,744	123	1,279	3,349	8,066	7,914	8,013
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	4,428	23	199	433	864	1,138	1,771
FARMS BY SIZE								
1 to 9 acres	232,849	76,144	773	4,020	9,522	17,052	19,948	24,829
10 to 49 acres	620,283	199,185	1,218	8,502	20,557	39,549	53,154	76,205
50 to 69 acres	153,862	55,241	388	2,464	4,795	9,050	14,411	24,133
70 to 99 acres	192,043	72,735	492	3,439	5,861	11,590	17,919	33,434
100 to 139 acres	175,146	72,011	497	3,195	5,676	11,751	17,707	33,185
140 to 179 acres	139,479	61,049	392	2,684	4,647	9,990	14,755	28,581
180 to 219 acres	87,502	42,539	245	1,783	3,563	7,509	10,473	18,966
220 to 259 acres	68,313	35,459	210	1,534	2,908	6,617	8,831	15,359
260 to 499 acres	212,553	125,581	766	5,521	11,285	26,374	32,235	49,400
500 to 999 acres	149,713	108,603	559	5,206	11,254	27,765	29,611	34,208
1,000 to 1,999 acres	92,656	76,054	298	3,606	9,194	22,671	21,174	19,111
2,000 acres or more	80,393	69,280	150	2,637	8,246	21,121	19,838	17,288
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)								
Oilseed and grain farming (1111)	338,237	222,975	1,777	12,668	23,411	56,438	58,218	70,463
Vegetable and melon farming (1112)	40,589	23,322	155	1,247	2,594	5,649	6,265	7,412
Fruit and tree nut farming (1113)	98,281	45,020	90	1,148	3,491	9,400	12,480	18,411
Greenhouse, nursery, and floriculture production (1114)	54,889	25,408	91	948	2,869	6,899	7,662	6,939
Other crop farming (1119)	519,893	159,949	770	5,294	11,849	27,781	40,971	73,284
Tobacco farming (11191)	9,626	6,121	91	392	741	1,656	1,658	1,583
Cotton farming (11192)	9,968	8,121	110	561	1,095	2,243	2,055	2,057
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	145,707	569	4,341	10,013	23,882	37,258	69,644
Beef cattle ranching and farming (112111)	656,475	291,083	1,433	10,122	21,136	45,346	74,104	138,942
Cattle feedlots (112112)	31,065	16,105	110	812	1,732	3,486	4,133	5,832
Dairy cattle and milk production (11212)	57,318	49,878	592	4,629	8,784	16,419	11,683	7,771
Hog and pig farming (1122)	30,546	15,858	163	1,166	2,962	5,099	3,742	2,726
Poultry and egg production (1123)	64,570	33,334	136	1,843	5,543	9,243	9,045	7,524
Sheep and goat farming (1124)	67,254	24,052	219	963	2,448	4,572	6,549	9,301
Animal aquaculture and other animal production (1125, 1129)	245,675	86,897	452	3,751	10,689	20,707	25,204	26,094
FARM TYPOLOGY (SEE TEXT)								
Small family farms:								
Limited resource farms ..... farms	308,837	154,378	1,454	5,471	12,424	27,818	38,325	68,886
acres	42,419,764	26,385,696	156,405	867,502	2,047,721	5,121,929	6,806,576	11,385,563
Retirement farms ..... farms	456,093	258,254	-	-	1,280	7,956	66,196	182,822
acres	89,580,775	57,637,537	-	-	233,959	1,373,113	12,536,314	43,494,151
Residential/lifestyle farms ..... farms	801,844	-	-	-	-	-	-	-
acres	121,143,585	-	-	-	-	-	-	-
Farming occupation/lower sales ..... farms	258,899	258,899	2,423	18,818	37,929	73,741	67,613	58,375
acres	87,190,445	87,190,445	460,181	4,396,343	9,135,376	21,897,296	23,632,518	27,668,731
Farming occupation/higher sales ..... farms	100,126	100,126	1,012	7,752	13,293	29,449	27,714	20,906
acres	104,081,344	104,081,344	461,207	4,898,180	11,184,063	29,846,821	30,981,758	26,709,315
Large family farms ..... farms	86,551	77,597	439	4,781	10,810	24,905	21,531	15,131
acres	123,024,138	111,900,512	343,321	4,909,800	12,854,482	33,819,081	32,312,624	27,661,204
Very large family farms ..... farms	101,265	92,535	257	4,579	14,598	32,161	25,405	15,535
acres	211,224,012	196,602,398	288,061	6,833,779	25,335,121	65,411,589	56,771,036	41,962,812
Non-family farms ..... farms	91,177	52,092	403	3,190	7,174	15,009	13,272	13,044
acres	143,431,777	113,945,780	232,956	3,736,824	22,764,675	34,449,227	28,438,565	24,323,533
LIVESTOCK								
Cattle and calves inventory ..... farms	963,669	493,909	2,991	23,023	48,328	101,641	125,834	192,092
number	96,347,858	75,762,523	275,995	3,375,882	10,247,008	20,896,586	20,625,913	20,341,139
Farms with-								
1 to 9	233,078	74,805	588	3,269	7,652	14,100	19,176	30,020
10 to 49	415,493	185,760	1,092	7,233	14,128	29,415	45,604	88,288
50 to 99	135,117	86,405	678	4,849	8,399	17,595	21,845	33,039
100 to 199	91,193	70,074	404	3,996	8,190	18,052	18,274	21,158
200 to 499	59,234	50,441	175	2,532	6,342	14,490	13,569	13,333
500 or more	29,554	26,424	54	1,144	3,617	7,989	7,366	6,254
Cows and heifers that had calved ..... farms	818,992	428,789	2,514	19,479	40,559	87,228	109,082	169,927
number	42,101,375	32,225,027	120,281	1,369,885	4,026,223	8,540,966	8,603,519	9,564,153
Beef cows ..... farms	764,984	380,994	1,935	14,759	31,844	71,358	98,038	163,060
number	32,834,801	23,579,637	72,195	884,002	2,287,024	5,546,099	6,536,447	8,253,870
Farms with-								
1 to 9	246,863	85,805	579	3,380	7,675	15,399	21,732	37,040
10 to 49	360,845	177,409	909	6,476	12,795	28,357	44,053	84,819
50 to 99	84,253	57,765	285	2,441	5,034	11,852	15,334	22,819
100 to 199	43,575	34,635	123	1,548	3,492	8,798	9,625	11,049
200 to 499	23,635	20,324	33	753	2,303	5,640	5,803	5,792
500 or more	5,813	5,056	6	161	545	1,312	1,491	1,541

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
HIRED FARM LABOR - Con.							
Migrant farm labor on farms with hired labor (see text) ..... farms	10,040	42	408	1,163	2,892	3,121	2,414
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	4,060	12	171	452	1,134	1,324	967
FARMS BY SIZE							
1 to 9 acres	156,705	1,295	10,418	27,391	50,799	40,372	26,430
10 to 49 acres	421,098	2,081	23,075	67,338	128,973	115,147	84,484
50 to 69 acres	98,621	496	4,717	13,127	28,510	28,141	23,630
70 to 99 acres	119,308	514	5,815	15,300	33,541	34,056	30,082
100 to 139 acres	103,135	442	4,578	12,503	28,448	29,595	27,569
140 to 179 acres	78,430	266	3,580	9,169	20,671	22,018	22,726
180 to 219 acres	44,963	170	1,948	5,332	12,237	13,234	12,042
220 to 259 acres	32,854	125	1,364	3,781	9,045	9,456	9,083
260 to 499 acres	86,972	324	3,974	9,878	23,512	24,646	24,638
500 to 999 acres	41,110	97	1,704	4,546	11,456	11,613	11,694
1,000 to 1,999 acres	16,602	60	628	1,773	4,323	4,753	5,065
2,000 acres or more	11,113	20	343	1,172	2,847	3,219	3,512
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)							
Oilseed and grain farming (1111)	115,262	993	8,779	17,009	34,263	30,551	23,667
Vegetable and melon farming (1112)	17,267	101	1,019	2,653	5,406	4,923	3,165
Fruit and tree nut farming (1113)	53,261	91	1,459	5,776	14,936	16,910	14,089
Greenhouse, nursery, and floriculture production (1114)	29,481	78	1,121	3,824	9,494	8,974	5,990
Other crop farming (1119)	359,944	936	12,438	39,139	91,631	101,285	114,515
Tobacco farming (11191)	3,505	35	304	599	1,071	921	575
Cotton farming (11192)	1,847	17	102	259	514	438	517
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	354,592	884	12,032	38,281	90,046	99,926	113,423
Beef cattle ranching and farming (112111)	365,392	2,232	21,954	55,532	109,607	100,612	75,455
Cattle feedlots (112112)	14,960	131	1,124	2,648	4,954	3,863	2,240
Dairy cattle and milk production (11212)	7,440	61	624	1,384	2,340	1,754	1,277
Hog and pig farming (1122)	14,688	188	1,344	3,896	5,092	2,791	1,377
Poultry and egg production (1123)	31,236	140	1,884	6,332	10,914	7,957	4,009
Sheep and goat farming (1124)	43,202	379	2,673	7,894	14,416	11,136	6,704
Animal aquaculture and other animal production (1125, 1129)	158,778	560	7,725	25,223	51,309	45,494	28,467
FARM TYPOLOGY (SEE TEXT)							
Small family farms:							
Limited resource farms ..... farms	154,459	1,740	6,675	17,326	36,502	40,331	51,885
acres	16,034,068	117,912	625,782	1,421,286	3,519,237	4,091,606	6,258,245
Retirement farms ..... farms	197,839	-	-	1,177	7,304	55,782	133,576
acres	31,943,238	-	-	140,480	978,278	7,225,788	23,598,692
Residential/lifestyle farms ..... farms	801,844	3,858	52,744	145,238	294,629	224,843	80,532
acres	121,143,585	407,882	6,239,797	17,628,285	40,780,083	37,179,044	18,908,494
Farming occupation/lower sales ..... farms	-	-	-	-	-	-	-
acres	-	-	-	-	-	-	-
Farming occupation/higher sales ..... farms	-	-	-	-	-	-	-
acres	-	-	-	-	-	-	-
Large family farms ..... farms	8,954	30	542	1,494	2,922	2,296	1,670
acres	11,123,626	13,371	344,100	1,381,517	2,743,180	3,131,780	3,509,678
Very large family farms ..... farms	8,730	22	400	1,364	2,683	2,368	1,893
acres	14,621,614	20,524	239,959	1,324,247	3,031,711	5,114,715	4,890,458
Non-family farms ..... farms	39,085	240	1,783	4,711	10,322	10,630	11,399
acres	29,485,997	183,619	657,310	3,443,511	6,389,674	11,925,295	6,886,588
LIVESTOCK							
Cattle and calves inventory ..... farms	469,760	2,951	29,996	75,948	145,536	126,094	89,235
number	20,585,335	75,365	1,008,105	3,157,612	6,299,005	5,650,732	4,394,516
Farms with-							
1 to 9	158,273	1,141	11,068	29,508	51,441	39,100	26,015
10 to 49	229,733	1,461	13,941	34,792	69,331	63,793	46,415
50 to 99	48,712	243	3,015	7,036	14,855	13,867	9,696
100 to 199	21,119	89	1,306	3,028	6,560	5,998	4,138
200 to 499	8,793	9	574	1,205	2,561	2,470	1,974
500 or more	3,130	8	92	379	788	866	997
Cows and heifers that had calved ..... farms	390,203	2,436	23,517	61,029	120,202	106,635	76,384
number	9,876,348	39,109	484,366	1,363,829	2,911,983	2,800,968	2,276,093
Beef cows ..... farms	383,990	2,377	22,886	59,825	118,232	105,253	75,417
number	9,255,164	37,513	463,432	1,247,030	2,737,504	2,633,261	2,136,424
Farms with-							
1 to 9	161,058	1,170	10,299	28,264	51,608	41,479	28,238
10 to 49	183,436	1,088	10,564	26,305	54,618	52,394	38,467
50 to 99	26,488	98	1,487	3,644	8,165	7,647	5,447
100 to 199	8,940	14	405	1,139	2,752	2,572	2,058
200 to 499	3,311	6	122	392	900	957	934
500 or more	757	1	9	81	189	204	273

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LIVESTOCK - Con.								
Cattle and calves inventory - Con.								
Cows and heifers that had calved - Con.								
Milk cows ... farms	69,890	59,100	650	5,338	10,310	19,268	13,853	9,681
number	9,266,574	8,645,390	48,086	485,883	1,739,199	2,994,867	2,067,072	1,310,283
Farms with-								
1 to 9	14,426	7,378	70	679	1,197	1,677	1,699	2,056
10 to 49	19,912	17,670	296	2,025	3,035	5,603	3,978	2,733
50 to 99	18,986	18,141	225	1,800	3,349	6,370	4,117	2,280
100 to 199	8,975	8,691	35	518	1,473	3,095	2,171	1,399
200 to 499	4,307	4,166	11	183	635	1,486	1,123	728
500 or more	3,284	3,054	13	133	621	1,037	765	485
Other cattle (see text) ... farms	788,633	422,255	2,544	20,060	41,943	88,748	108,357	160,603
number	54,246,483	43,537,496	155,714	2,005,997	6,220,785	12,355,620	12,022,394	10,776,986
Cattle and calves sold ... farms	798,290	436,069	2,585	20,293	41,913	89,527	110,948	170,803
number	74,071,936	59,367,329	179,572	2,634,069	8,778,681	16,806,860	16,552,042	14,416,105
$1,000	61,209,970	49,568,257	115,923	2,115,221	7,487,339	14,269,999	14,045,331	11,534,443
Calves weighing less than 500 pounds ... farms	414,324	228,366	1,369	10,801	21,836	45,186	57,641	91,533
number	13,695,252	10,414,008	69,849	547,426	1,638,589	2,825,233	2,643,286	2,689,625
Cattle, including calves weighing 500 pounds or more ... farms	681,126	382,027	2,225	17,758	36,861	79,598	98,111	147,474
number	60,376,684	48,953,321	109,723	2,086,643	7,140,092	13,981,627	13,908,756	11,726,480
Cattle on feed (see text) ... farms	76,396	48,420	314	2,426	5,791	12,759	12,740	14,390
number	27,595,928	22,513,665	20,885	852,804	3,833,069	6,905,653	6,657,987	4,243,267
Hogs and pigs inventory ... farms	75,442	41,168	384	2,852	7,433	12,929	9,719	7,851
number	67,786,318	56,926,674	260,064	3,517,237	12,296,052	20,755,626	13,060,882	7,036,813
Farms with-								
1 to 24	45,047	17,607	215	1,338	3,324	4,757	4,065	3,908
25 to 49	4,292	2,393	9	120	354	690	574	646
50 to 99	3,182	2,070	17	163	260	524	543	563
100 to 199	2,590	1,953	35	152	277	581	474	434
200 to 499	4,524	3,606	30	200	630	1,258	927	561
500 or more	15,807	13,539	78	879	2,588	5,119	3,136	1,739
Used or to be used for breeding ... farms	32,867	18,579	165	1,110	3,169	5,610	4,576	3,949
number	6,290,610	5,155,037	11,179	290,985	1,168,456	1,753,007	1,207,433	723,977
Other hogs and pigs ... farms	66,441	37,304	326	2,623	6,770	11,891	8,770	6,924
number	61,495,708	51,771,637	248,885	3,226,252	11,127,596	19,002,619	11,853,449	6,312,836
Hogs and pigs sold ... farms	74,789	40,737	352	2,802	7,298	12,982	9,591	7,712
number	206,807,181	173,185,867	814,722	11,368,267	38,401,165	61,577,036	40,666,650	20,358,027
$1,000	18,056,981	15,196,729	70,949	1,025,377	3,388,061	5,370,675	3,526,342	1,815,325
Sheep and lambs inventory ... farms	83,134	38,650	305	1,605	4,399	8,557	9,753	14,031
number	5,819,162	4,330,816	14,654	119,207	387,928	940,829	1,331,550	1,536,648
Ewes 1 year old or older ... farms	68,222	32,161	261	1,334	3,589	7,122	8,327	11,528
number	3,516,409	2,592,761	9,278	81,020	242,159	594,191	785,782	880,331
Sheep and lambs sold ... farms	53,268	25,031	196	1,153	2,887	5,675	6,420	8,700
number	4,579,608	3,342,265	12,625	89,957	318,266	679,054	1,146,150	1,096,213
Horses and ponies inventory ... farms	575,942	239,633	1,414	12,478	28,864	55,591	66,706	74,580
number	4,028,827	1,971,242	9,070	92,360	252,295	488,844	572,350	556,323
Owned ... farms	501,528	205,981	1,198	10,898	25,523	48,344	57,871	62,147
number	3,224,964	1,538,127	6,594	70,832	193,371	376,580	450,660	440,090
Horses and ponies sold ... farms	133,472	57,151	395	3,603	8,038	13,774	16,028	15,313
number	506,503	267,893	1,371	13,427	34,679	68,692	78,377	71,347
Owned ... farms	106,050	44,601	285	2,857	6,207	10,688	12,601	11,963
number	400,845	211,943	982	10,285	27,356	53,433	63,115	56,772
Goats, all inventory ... farms	144,466	55,776	433	2,841	7,564	12,583	14,804	17,551
number	3,140,529	1,629,839	12,171	69,435	188,250	364,233	438,296	557,454
Goats sold ... farms	61,748	24,258	261	1,342	3,325	5,283	6,405	7,642
number	1,387,576	738,667	9,308	50,237	81,545	157,530	195,220	244,827
POULTRY								
Layers inventory (see text) ... farms	145,615	61,148	395	3,611	9,260	15,296	15,653	16,933
number	349,772,508	261,155,113	247,906	13,189,663	47,688,260	89,817,622	68,895,046	41,316,616
Farms with-								
1 to 399	140,844	57,324	377	3,317	8,505	14,064	14,710	16,351
400 to 3,199	785	545	4	52	91	150	126	122
3,200 to 9,999	626	487	3	38	98	139	120	89
10,000 to 19,999	1,373	1,115	8	90	217	341	294	165
20,000 to 49,999	1,292	1,100	3	86	248	358	271	134
50,000 to 99,999	261	225	-	11	40	99	48	27
100,000 or more	434	352	-	17	61	145	84	45
Pullets for laying flock replacement inventory ... farms	22,514	10,639	89	671	1,647	2,654	2,660	2,918
number	105,876,529	80,238,321	209,615	4,663,187	12,646,275	24,401,356	21,849,642	16,468,246
Layers sold ... farms	24,971	11,785	96	919	2,156	3,179	2,915	2,520
number	194,955,057	155,379,547	237,348	7,386,691	34,874,221	51,711,091	38,905,249	22,264,947
Pullets for laying flock replacement sold (see text) ... farms	4,169	2,459	30	186	447	708	580	508
number	161,354,686	125,910,863	272,785	8,677,911	20,301,483	42,101,354	28,485,413	26,071,917

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
LIVESTOCK - Con.							
Cattle and calves inventory - Con.							
Cows and heifers that had calved - Con.							
Milk cows ..... farms	10,790	96	985	2,122	3,447	2,451	1,689
number	621,184	1,596	20,934	116,799	174,479	167,707	139,669
Farms with-							
1 to 9	7,048	70	709	1,513	2,269	1,540	947
10 to 49	2,242	15	204	389	725	544	365
50 to 99	845	10	55	129	277	186	188
100 to 199	284	-	9	29	83	86	77
200 to 499	141	1	2	23	29	37	49
500 or more	230	-	6	39	64	58	63
Other cattle (see text) ..... farms	366,378	2,289	24,062	59,847	114,528	98,629	67,023
number	10,708,987	36,256	523,739	1,793,783	3,387,022	2,849,764	2,118,423
Cattle and calves sold ..... farms	362,221	2,431	23,247	57,390	111,715	98,131	69,307
number	14,704,607	46,184	609,986	2,710,965	4,624,756	3,955,005	2,757,711
$1,000	11,641,713	28,537	412,943	2,352,758	3,707,538	3,068,519	2,071,417
Calves weighing less than 500 pounds ..... farms	185,958	1,269	11,533	28,716	56,167	51,064	37,209
number	3,281,244	18,654	180,703	514,172	991,719	896,019	679,977
Cattle, including calves weighing 500 pounds or more ..... farms	299,099	1,917	19,116	47,158	92,933	81,640	56,335
number	11,423,363	27,530	429,283	2,196,793	3,633,037	3,058,986	2,077,734
Cattle on feed (see text) ..... farms	27,976	216	2,023	5,193	9,819	6,903	3,822
number	5,082,263	4,852	83,790	1,280,977	1,808,406	1,268,989	635,249
Hogs and pigs inventory ..... farms	34,274	314	3,158	9,173	12,055	6,443	3,131
number	10,859,644	59,251	634,800	2,306,911	3,219,243	3,709,773	929,666
Farms with-							
1 to 24	27,440	245	2,463	7,689	9,702	4,922	2,419
25 to 49	1,899	15	193	436	648	419	188
50 to 99	1,112	8	97	238	376	254	139
100 to 199	637	7	72	102	211	152	93
200 to 499	918	10	103	211	326	198	70
500 or more	2,268	29	230	497	792	498	222
Used or to be used for breeding ..... farms	14,288	142	1,270	3,652	4,853	2,914	1,457
number	1,135,573	1,086	35,228	192,901	293,767	483,466	129,125
Other hogs and pigs ..... farms	29,137	274	2,717	7,867	10,310	5,375	2,594
number	9,724,071	58,165	599,572	2,114,010	2,925,476	3,226,307	800,541
Hogs and pigs sold ..... farms	34,052	310	3,007	9,347	12,268	6,209	2,911
number	33,621,314	138,381	2,113,004	8,058,192	10,456,367	9,872,569	2,982,801
$1,000	2,860,251	15,664	169,863	598,264	908,050	927,824	240,587
Sheep and lambs inventory ..... farms	44,484	337	2,456	8,196	15,149	11,394	6,952
number	1,488,346	6,942	67,845	199,245	450,159	364,420	399,735
Ewes 1 year old or older ..... farms	36,061	290	1,983	6,398	12,367	9,415	5,608
number	923,648	4,463	42,804	122,903	281,898	232,811	238,769
Sheep and lambs sold ..... farms	28,237	274	1,680	5,593	9,885	6,778	4,027
number	1,237,343	7,762	53,252	125,816	334,953	236,071	479,489
Horses and ponies inventory ..... farms	336,309	1,494	19,993	59,466	113,688	93,063	48,605
number	2,057,585	6,971	102,619	341,582	673,634	595,900	336,879
Owned ..... farms	295,547	1,267	18,024	53,579	101,322	81,289	40,066
number	1,686,837	5,809	85,576	287,087	557,263	489,889	261,213
Horses and ponies sold ..... farms	76,321	383	5,273	14,417	25,527	20,654	10,067
number	238,610	1,198	14,037	41,015	74,051	69,009	39,300
Owned ..... farms	61,449	294	4,326	11,656	20,559	16,731	7,883
number	188,902	934	11,325	33,025	58,359	54,834	30,425
Goats, all inventory ..... farms	88,690	609	6,311	18,892	30,100	21,296	11,482
number	1,510,690	8,746	91,558	270,621	477,130	378,585	284,050
Goats sold ..... farms	37,490	368	2,963	8,359	12,524	8,705	4,571
number	648,909	6,698	46,804	126,054	198,434	165,366	105,553
POULTRY							
Layers inventory (see text) ..... farms	84,467	425	5,545	18,331	30,186	20,060	9,920
number	88,617,395	19,124	1,392,097	8,993,989	18,831,563	41,169,659	18,210,963
Farms with-							
1 to 399	83,520	424	5,473	18,147	29,875	19,805	9,796
400 to 3,199	240	-	29	36	84	62	29
3,200 to 9,999	139	-	9	29	45	35	21
10,000 to 19,999	258	1	15	58	89	70	25
20,000 to 49,999	192	-	13	51	59	41	28
50,000 to 99,999	36	-	3	3	13	12	5
100,000 or more	82	-	3	7	21	35	16
Pullets for laying flock replacement inventory ..... farms	11,875	103	767	2,509	4,157	2,886	1,453
number	25,638,208	60,997	644,174	3,809,733	6,997,026	9,635,457	4,490,821
Layers sold ..... farms	13,186	74	1,049	3,267	4,749	2,805	1,242
number	39,575,510	11,670	1,025,809	5,212,669	10,657,973	18,488,005	4,179,384
Pullets for laying flock replacement sold (see text) ..... farms	1,710	16	140	414	581	388	171
number	35,443,823	93,900	1,157,378	7,193,350	9,758,053	12,445,254	4,795,888

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
POULTRY - Con.								
Broilers and other meat-type chickens sold ... farms	27,091	18,479	112	1,322	3,533	5,385	4,769	3,358
number	8,914,828,122	7,351,438,784	23,292,867	466,780,835	1,502,319,770	2,259,417,550	1,948,535,143	1,151,092,619
Farms with-								
1 to 1,999	9,743	4,217	49	411	865	1,238	948	706
2,000 to 59,999	618	481	5	51	114	113	91	107
60,000 to 99,999	623	419	2	32	52	74	121	138
100,000 or more	16,107	13,362	56	828	2,502	3,960	3,609	2,407
Turkeys inventory (see text) ... farms	17,226	8,232	65	488	1,405	2,462	2,134	1,678
number	107,173,804	88,977,454	186,584	4,736,446	14,575,637	28,749,458	21,391,716	19,337,613
Turkeys sold (see text) ... farms	8,284	4,697	20	323	908	1,518	1,121	807
number	295,793,159	247,428,537	396,232	12,685,225	42,152,277	84,327,456	59,227,787	48,639,560
CROPS HARVESTED								
Barley for grain ... farms	19,848	17,041	127	1,013	2,332	5,350	4,561	3,658
acres	3,521,957	3,294,352	20,864	191,744	463,157	1,165,931	893,738	558,918
bushels	207,089,232	194,296,976	997,577	11,510,542	28,005,650	69,072,524	53,045,314	31,665,369
Irrigated ... farms	4,241	3,525	17	186	418	1,103	1,044	757
acres	741,475	688,496	1,984	34,500	84,335	231,583	217,428	118,666
Farms by acres harvested:								
1 to 24 acres	5,742	4,339	31	252	612	1,251	1,075	1,118
25 to 99 acres	5,405	4,619	27	232	575	1,391	1,258	1,136
100 to 249 acres	4,469	4,060	44	256	540	1,258	1,138	824
250 to 499 acres	2,552	2,409	21	174	368	837	665	344
500 acres or more	1,680	1,614	4	99	237	613	425	236
Corn for grain ... farms	347,760	250,872	1,868	15,232	30,579	69,644	65,412	68,137
acres	86,248,542	77,457,568	328,231	4,026,642	10,786,620	26,622,502	21,331,132	14,362,441
bushels	12,738,519,330	11,509,259,314	48,470,794	600,606,490	1,618,456,466	3,998,065,630	3,167,818,638	2,075,841,296
Irrigated ... farms	38,911	33,756	252	2,361	4,594	10,362	9,001	7,186
acres	13,156,769	12,385,436	57,591	765,466	1,872,380	4,220,576	3,337,933	2,131,490
Farms by acres harvested:								
1 to 24 acres	68,008	33,109	379	2,559	3,785	6,530	7,730	12,126
25 to 99 acres	101,672	64,304	635	3,931	6,837	14,930	15,301	22,670
100 to 249 acres	78,166	61,221	435	3,653	7,031	16,628	16,314	17,160
250 to 499 acres	50,807	45,294	253	2,783	5,989	14,424	12,855	8,990
500 acres or more	49,107	46,944	166	2,306	6,937	17,132	13,212	7,191
Corn for silage or greenchop ... farms	84,317	72,137	566	5,283	11,186	22,711	18,170	14,221
acres	5,979,661	5,516,829	23,533	275,638	846,500	1,813,298	1,476,579	1,081,281
tons	104,224,795	96,637,384	416,980	4,710,294	14,972,751	32,062,900	25,891,633	18,582,826
Irrigated ... farms	9,664	8,485	44	433	1,120	2,714	2,255	1,919
acres	1,497,288	1,364,892	6,311	55,658	195,733	444,426	366,961	295,803
Farms by acres harvested:								
1 to 24 acres	34,207	26,193	293	2,404	4,145	7,565	6,158	5,628
25 to 99 acres	34,878	31,617	232	2,274	4,964	10,366	7,994	5,787
100 to 249 acres	10,855	10,210	33	452	1,470	3,376	2,886	1,993
250 to 499 acres	2,859	2,683	4	99	360	937	756	527
500 acres or more	1,518	1,434	4	54	247	467	376	286
Cotton, all ... farms	18,605	15,892	163	1,058	2,134	4,541	4,220	3,776
acres	10,493,238	9,934,945	59,651	545,846	1,428,415	3,231,064	2,650,227	2,019,742
bales	18,898,128	17,941,156	101,559	971,183	2,615,846	5,905,877	4,826,463	3,520,228
Irrigated ... farms	8,776	7,928	66	552	1,165	2,339	2,033	1,773
acres	4,035,610	3,852,639	19,657	219,934	587,889	1,295,920	983,187	746,052
Farms by acres harvested:								
1 to 24 acres	961	475	6	20	40	96	136	177
25 to 99 acres	3,043	2,089	32	176	212	467	515	687
100 to 249 acres	3,886	3,209	36	269	399	831	844	830
250 to 499 acres	3,738	3,447	53	228	468	996	944	758
500 acres or more	6,977	6,672	36	365	1,015	2,151	1,781	1,324
Dry edible beans, excluding limas ... farms	6,236	5,628	51	422	824	1,899	1,493	939
acres	1,455,549	1,401,579	8,337	86,356	241,060	534,993	348,271	182,562
cwt	25,353,900	24,431,529	141,381	1,506,232	4,115,121	9,350,152	6,070,577	3,248,066
Irrigated ... farms	2,456	2,185	10	133	273	721	627	421
acres	353,503	333,361	1,018	17,355	42,386	119,980	94,230	58,392
Farms by acres harvested:								
1 to 24 acres	818	558	12	40	45	122	161	178
25 to 99 acres	1,709	1,500	13	115	189	483	414	286
100 to 249 acres	1,856	1,767	13	157	265	623	455	254
250 to 499 acres	1,066	1,036	11	67	180	377	272	129
500 acres or more	787	767	2	43	145	294	191	92
Oats for grain ... farms	42,558	32,963	156	1,546	3,896	9,217	8,812	9,336
acres	1,509,149	1,308,611	5,544	50,496	156,044	388,355	373,653	334,519
bushels	89,508,669	78,997,631	405,618	3,306,430	9,868,722	23,647,199	22,443,430	19,326,232
Irrigated ... farms	1,620	1,256	5	51	150	347	347	356
acres	78,214	66,181	960	3,322	9,239	17,800	18,872	15,988
Farms by acres harvested:								
1 to 24 acres	27,044	19,496	105	1,044	2,340	5,160	4,948	5,899
25 to 99 acres	12,167	10,407	32	388	1,179	3,147	2,967	2,694
100 to 249 acres	2,643	2,410	17	96	296	723	697	581
250 to 499 acres	552	509	2	15	59	151	154	128
500 acres or more	152	141	-	3	22	36	46	34
Peanuts for nuts ... farms	6,182	5,209	37	368	712	1,415	1,465	1,212
acres	1,200,564	1,121,091	4,875	61,209	175,779	351,497	302,194	225,537
pounds	3,703,138,887	3,471,185,710	17,796,056	195,891,407	539,861,206	1,121,622,352	918,707,260	677,307,429
Irrigated ... farms	2,381	2,120	17	146	314	651	586	406
acres	418,789	397,300	2,658	21,915	68,249	133,900	101,265	69,313

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
POULTRY - Con.							
Broilers and other meat-type chickens sold ... farms	8,612	54	634	2,226	3,145	1,802	751
number	1,563,389,338	1,667,777	59,486,842	266,867,098	457,541,090	367,095,723	410,730,808
Farms with-							
1 to 1,999	5,526	45	468	1,595	2,119	986	313
2,000 to 59,999	137	3	10	29	42	43	10
60,000 to 99,999	204	-	12	34	57	44	57
100,000 or more	2,745	6	144	568	927	729	371
Turkeys inventory (see text) ... farms	8,994	47	606	2,004	3,419	2,012	906
number	18,196,350	256	461,227	1,756,087	5,868,904	4,945,341	5,164,535
Turkeys sold (see text) ... farms	3,587	19	235	876	1,426	735	296
number	48,364,622	306	1,660,182	5,670,778	15,105,871	13,902,539	12,024,946
CROPS HARVESTED							
Barley for grain ... farms	2,807	10	192	416	920	758	511
acres	227,605	1,390	24,296	27,864	68,518	65,456	40,081
bushels	12,792,256	65,200	1,197,821	1,639,308	3,962,149	3,346,632	2,581,146
Irrigated ... farms	716	2	43	97	224	191	159
acres	52,979	(D)	(D)	6,584	16,673	11,342	12,837
Farms by acres harvested:							
1 to 24 acres	1,403	2	86	208	473	391	243
25 to 99 acres	786	1	48	114	263	206	154
100 to 249 acres	409	6	36	68	116	105	78
250 to 499 acres	143	1	16	23	47	33	23
500 acres or more	66	-	6	3	21	23	13
Corn for grain ... farms	96,888	835	7,760	15,584	30,506	25,295	16,908
acres	8,790,974	59,923	673,871	1,427,904	2,850,278	2,271,215	1,507,783
bushels	1,229,260,016	8,221,394	95,558,984	199,378,790	402,985,020	316,797,268	206,318,560
Irrigated ... farms	5,155	27	359	821	1,610	1,425	913
acres	771,333	2,635	38,153	106,374	210,801	234,372	178,998
Farms by acres harvested:							
1 to 24 acres	34,899	298	2,558	5,682	10,743	9,251	6,367
25 to 99 acres	37,368	391	3,124	5,735	11,404	9,865	6,849
100 to 249 acres	16,945	102	1,496	2,847	5,694	4,336	2,470
250 to 499 acres	5,513	35	439	984	1,976	1,283	796
500 acres or more	2,163	9	143	336	689	560	426
Corn for silage or greenchop ... farms	12,180	79	856	2,261	3,909	3,087	1,988
acres	462,832	1,132	22,949	68,155	141,557	123,852	105,187
tons	7,587,411	17,394	356,381	1,134,968	2,273,566	1,999,085	1,806,017
Irrigated ... farms	1,179	4	51	187	335	326	276
acres	132,396	58	4,964	15,987	41,729	36,875	32,783
Farms by acres harvested:							
1 to 24 acres	8,014	67	634	1,590	2,661	1,999	1,063
25 to 99 acres	3,261	10	190	541	1,015	834	671
100 to 249 acres	645	2	24	98	169	185	167
250 to 499 acres	176	-	4	24	39	46	63
500 acres or more	84	-	4	8	25	23	24
Cotton, all ... farms	2,713	22	153	378	749	662	749
acres	558,293	2,691	28,091	78,709	156,139	140,570	152,093
bales	956,972	4,755	42,415	130,112	280,374	239,427	259,889
Irrigated ... farms	848	5	42	125	250	209	217
acres	182,971	389	5,875	23,718	58,800	45,667	48,522
Farms by acres harvested:							
1 to 24 acres	486	4	35	61	133	104	149
25 to 99 acres	954	4	60	129	264	246	251
100 to 249 acres	677	11	27	110	188	154	187
250 to 499 acres	291	3	17	32	84	81	74
500 acres or more	305	-	14	46	80	77	88
Dry edible beans, excluding limas ... farms	608	2	48	99	178	174	107
acres	53,970	(D)	(D)	5,961	16,877	15,640	11,861
cwt	922,371	(D)	(D)	111,088	252,710	253,676	236,657
Irrigated ... farms	271	-	5	42	79	98	47
acres	20,142	-	741	1,376	4,724	8,405	4,896
Farms by acres harvested:							
1 to 24 acres	260	-	22	48	59	89	42
25 to 99 acres	209	2	12	36	75	52	32
100 to 249 acres	89	-	12	9	29	20	19
250 to 499 acres	30	-	2	3	7	8	10
500 acres or more	20	-	-	3	8	5	4
Oats for grain ... farms	9,595	34	565	1,483	3,184	2,656	1,673
acres	200,538	399	12,161	27,530	65,547	55,780	39,121
bushels	10,511,038	16,520	675,756	1,509,840	3,467,111	2,795,257	2,046,554
Irrigated ... farms	364	-	19	42	115	107	81
acres	12,033	-	417	901	4,103	3,542	3,070
Farms by acres harvested:							
1 to 24 acres	7,548	31	417	1,196	2,558	2,075	1,271
25 to 99 acres	1,760	3	130	254	530	502	341
100 to 249 acres	233	-	17	30	77	65	44
250 to 499 acres	43	-	1	3	14	11	14
500 acres or more	11	-	-	-	5	3	3
Peanuts for nuts ... farms	973	1	71	133	289	252	227
acres	79,473	(D)	(D)	11,513	23,774	18,406	20,622
pounds	231,953,177	(D)	(D)	33,847,436	66,934,101	49,872,634	66,576,609
Irrigated ... farms	261	-	16	31	92	68	54
acres	21,489	-	1,157	2,496	8,325	3,890	5,621

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED - Con.								
Peanuts for nuts - Con.								
Farms by acres harvested:								
1 to 24 acres	915	576	7	36	55	110	145	223
25 to 99 acres	1,909	1,519	18	138	165	379	437	382
100 to 249 acres	1,886	1,696	9	120	235	487	502	343
250 to 499 acres	920	885	1	55	165	260	237	167
500 acres or more	552	533	2	19	92	179	144	97
Rice ... farms	6,084	5,283	55	499	787	1,491	1,444	1,007
acres	2,758,792	2,552,797	15,379	175,958	428,563	775,459	693,288	464,150
cwt	198,538,690	183,723,349	1,019,189	12,406,972	30,527,478	56,005,163	49,711,850	34,052,697
Irrigated ... farms	6,084	5,283	55	499	787	1,491	1,444	1,007
acres	2,758,792	2,552,797	15,379	175,958	428,563	775,459	693,288	464,150
Farms by acres harvested:								
1 to 24 acres	132	72	5	11	9	8	14	25
25 to 99 acres	915	645	12	78	63	143	168	181
100 to 249 acres	1,459	1,244	25	151	171	318	350	229
250 to 499 acres	1,616	1,467	7	146	200	447	417	250
500 acres or more	1,962	1,855	6	113	344	575	495	322
Sorghum for grain ... farms	26,242	21,099	131	1,308	2,385	5,866	5,536	5,873
acres	6,769,834	6,141,490	26,544	337,079	790,202	1,948,634	1,661,724	1,377,307
bushels	482,452,865	441,143,224	1,880,459	24,889,235	58,122,017	142,624,375	117,904,974	95,722,164
Irrigated ... farms	4,483	3,915	26	276	513	1,160	958	982
acres	845,214	785,138	3,375	42,770	127,006	252,378	177,473	182,136
Farms by acres harvested:								
1 to 24 acres	2,609	1,551	15	75	149	319	394	599
25 to 99 acres	8,335	5,934	40	396	584	1,448	1,397	2,069
100 to 249 acres	7,302	6,225	37	416	714	1,710	1,748	1,600
250 to 499 acres	4,377	3,970	29	224	480	1,245	1,090	902
500 acres or more	3,619	3,419	10	197	458	1,144	907	703
Soybeans for beans ... farms	279,110	202,517	1,366	10,966	23,491	55,429	53,733	57,532
acres	63,915,821	57,138,383	225,358	2,668,391	7,416,202	19,164,798	16,320,187	11,343,447
bushels	2,582,423,697	2,318,061,765	8,813,243	105,996,029	301,065,012	785,914,831	662,369,979	453,902,671
Irrigated ... farms	20,333	17,993	140	1,194	2,399	5,664	4,872	3,724
acres	5,237,075	4,962,348	27,243	305,973	704,662	1,652,317	1,419,446	852,707
Farms by acres harvested:								
1 to 24 acres	38,458	17,796	184	1,159	1,934	3,461	3,996	7,062
25 to 99 acres	90,935	55,186	484	3,202	5,414	11,664	13,018	21,404
100 to 249 acres	70,698	55,776	459	3,090	6,363	14,767	15,036	16,061
250 to 499 acres	44,381	40,395	155	2,078	5,158	13,189	11,995	7,820
500 acres or more	34,638	33,364	84	1,437	4,622	12,348	9,688	5,185
Sugarbeets for sugar ... farms	4,022	3,734	32	362	601	1,355	942	442
acres	1,253,817	1,218,514	5,837	83,658	215,536	481,764	296,640	135,079
tons	31,937,325	30,999,412	147,552	2,091,198	5,410,640	12,253,443	7,603,269	3,493,310
Irrigated ... farms	1,595	1,472	7	128	183	528	393	233
acres	394,675	379,008	2,036	22,065	47,225	150,084	101,575	56,023
Sugarcane for sugar ... farms	692	582	-	24	99	185	144	130
acres	846,666	637,028	-	21,649	99,523	271,629	171,300	72,927
tons	31,127,405	23,294,960	-	690,310	3,340,659	10,101,994	6,622,741	2,539,256
Irrigated ... farms	219	167	-	1	15	45	48	58
acres	435,205	244,598	-	(D)	26,208	130,201	(D)	26,265
Sunflower seed, all ... farms	6,403	5,732	54	478	902	1,858	1,475	965
acres	2,000,153	1,898,318	12,023	158,425	343,460	660,174	470,258	253,978
pounds	2,820,962,445	2,688,466,122	17,161,381	232,887,680	503,126,569	928,609,261	656,885,794	349,795,437
Irrigated ... farms	608	555	3	30	81	195	155	91
acres	102,219	97,341	210	3,779	16,883	32,961	29,997	13,511
Farms by acres harvested:								
1 to 24 acres	502	317	-	19	36	86	87	89
25 to 99 acres	1,153	985	7	84	114	268	265	247
100 to 249 acres	2,110	1,916	34	154	282	600	522	324
250 to 499 acres	1,494	1,410	10	139	264	477	330	190
500 acres or more	1,144	1,104	3	82	206	427	271	115
Tobacco ... farms	16,234	11,344	158	938	1,496	3,131	2,910	2,711
acres	359,846	322,488	2,324	18,165	46,061	112,183	87,670	56,085
pounds	778,301,825	701,813,315	5,284,189	39,402,269	100,015,318	245,839,861	191,263,232	120,008,446
Irrigated ... farms	2,572	2,058	24	152	271	683	527	401
acres	71,578	66,180	522	3,178	8,879	24,713	18,218	10,671
Farms by acres harvested:								
0.1 to 0.9 acres	235	101	2	4	11	15	24	45
1.0 to 1.9 acres	1,493	653	7	36	55	127	170	258
2.0 to 2.9 acres	1,827	990	16	82	99	208	250	335
3.0 to 4.9 acres	2,772	1,662	25	167	199	388	395	488
5.0 to 9.9 acres	3,459	2,345	43	277	332	596	580	517
10.0 to 24.9 acres	3,129	2,512	34	191	341	738	648	560
25.0 acres or more	3,319	3,081	31	181	459	1,059	843	508
Wheat for grain, all ... farms	160,810	125,283	804	6,817	14,358	34,548	32,994	35,762
acres	50,932,969	46,165,519	207,139	2,317,617	5,845,365	14,552,063	12,935,659	10,307,676
bushels	1,993,648,378	1,822,028,834	7,954,779	92,381,245	240,335,091	591,210,520	507,658,800	382,488,399
Irrigated ... farms	15,213	13,203	73	767	1,629	3,928	3,585	3,221
acres	3,364,079	3,069,958	12,455	142,990	393,892	989,078	842,577	688,966
Farms by acres harvested:								
1 to 24 acres	26,703	16,215	126	893	1,613	3,639	4,003	5,941
25 to 99 acres	49,409	35,378	247	1,886	3,705	9,129	8,969	11,442
100 to 249 acres	34,703	28,210	206	1,612	3,415	7,599	7,447	7,931
250 to 499 acres	21,167	18,583	102	1,070	2,219	5,423	4,918	4,851
500 acres or more	28,828	26,897	123	1,356	3,406	8,758	7,657	5,597

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED - Con.							
Peanuts for nuts - Con.							
Farms by acres harvested:							
1 to 24 acres	339	1	20	46	95	86	91
25 to 99 acres	390	-	46	59	120	99	66
100 to 249 acres	190	-	3	18	55	55	59
250 to 499 acres	35	-	1	6	13	10	5
500 acres or more	19	-	1	4	6	2	6
Rice ... farms	801	7	56	124	236	229	149
acres	205,995	3,076	11,911	35,942	52,174	58,664	44,228
cwt	14,815,341	236,991	925,303	2,587,073	3,668,558	4,376,146	3,021,270
Irrigated ... farms	801	7	56	124	236	229	149
acres	205,995	3,076	11,911	35,942	52,174	58,664	44,228
Farms by acres harvested:							
1 to 24 acres	60	-	2	13	7	23	15
25 to 99 acres	270	2	17	32	99	79	41
100 to 249 acres	215	1	15	36	65	59	39
250 to 499 acres	149	-	19	26	38	36	30
500 acres or more	107	4	3	17	27	32	24
Sorghum for grain ... farms	5,143	50	370	749	1,589	1,288	1,097
acres	628,344	6,923	38,796	90,506	190,172	160,606	141,341
bushels	41,309,641	478,174	2,724,114	6,215,991	12,481,339	10,577,048	8,832,975
Irrigated ... farms	568	6	35	88	167	146	126
acres	60,076	230	1,876	8,432	17,604	20,159	11,775
Farms by acres harvested:							
1 to 24 acres	1,058	12	52	152	365	266	211
25 to 99 acres	2,401	20	223	351	696	610	501
100 to 249 acres	1,077	12	67	152	328	265	253
250 to 499 acres	407	2	19	66	139	93	88
500 acres or more	200	4	9	28	61	54	44
Soybeans for beans ... farms	76,593	534	5,748	11,694	23,936	20,251	14,430
acres	6,777,438	32,653	443,500	1,014,932	2,265,351	1,811,001	1,210,001
bushels	264,361,932	1,263,716	17,531,958	39,526,228	89,275,129	69,825,857	46,939,044
Irrigated ... farms	2,340	12	148	310	777	671	422
acres	274,727	852	13,223	32,897	80,820	88,610	58,325
Farms by acres harvested:							
1 to 24 acres	20,662	167	1,440	3,257	6,027	5,524	4,247
25 to 99 acres	35,749	286	2,963	5,239	10,812	9,380	7,069
100 to 249 acres	14,922	60	1,047	2,402	5,225	3,985	2,203
250 to 499 acres	3,986	20	247	648	1,449	989	633
500 acres or more	1,274	1	51	148	423	373	278
Sugarbeets for sugar ... farms	288	4	30	70	80	63	41
acres	35,303	216	1,925	5,736	8,444	11,921	7,061
tons	937,913	5,124	46,925	133,259	210,562	335,247	206,796
Irrigated ... farms	123	-	9	25	29	35	25
acres	15,667	-	380	2,086	2,559	6,200	4,442
Sugarcane for sugar ... farms	110	-	7	10	32	30	31
acres	209,638	-	1,956	894	14,631	174,513	17,644
tons	7,832,445	-	63,490	31,158	502,129	6,678,993	556,675
Irrigated ... farms	52	-	2	2	9	19	20
acres	190,607	-	(D)	(D)	4,052	170,917	14,826
Sunflower seed, all ... farms	671	6	78	115	196	164	112
acres	101,835	1,213	14,214	19,268	27,517	23,573	16,050
pounds	132,496,323	1,610,600	19,324,948	28,308,744	37,394,982	27,095,053	18,761,996
Irrigated ... farms	53	-	2	5	14	17	15
acres	4,878	-	(D)	(D)	857	591	3,098
Farms by acres harvested:							
1 to 24 acres	185	-	13	27	59	53	33
25 to 99 acres	168	2	19	25	54	43	25
100 to 249 acres	194	3	31	32	50	43	35
250 to 499 acres	84	-	10	22	20	14	18
500 acres or more	40	1	5	9	13	11	1
Tobacco ... farms	4,890	67	424	831	1,524	1,242	802
acres	37,359	190	2,934	5,263	11,064	10,992	6,916
pounds	76,488,510	367,823	6,382,019	10,801,307	23,570,013	21,696,117	13,671,231
Irrigated ... farms	514	13	58	75	144	140	84
acres	5,398	39	473	760	1,212	1,741	1,174
Farms by acres harvested:							
0.1 to 0.9 acres	134	5	5	17	45	40	22
1.0 to 1.9 acres	840	12	73	141	245	215	154
2.0 to 2.9 acres	837	22	65	155	275	197	123
3.0 to 4.9 acres	1,110	13	127	203	358	241	168
5.0 to 9.9 acres	1,114	15	99	184	351	289	176
10.0 to 24.9 acres	617	-	42	100	183	185	107
25.0 acres or more	238	-	13	31	67	75	52
Wheat for grain, all ... farms	35,527	247	2,540	5,258	10,905	9,315	7,262
acres	4,767,450	25,272	287,327	691,118	1,392,088	1,221,495	1,150,150
bushels	171,619,544	868,029	10,171,985	25,405,676	50,028,804	45,009,480	40,135,570
Irrigated ... farms	2,010	16	97	289	589	555	464
acres	294,121	1,455	10,149	44,169	78,966	82,172	77,210
Farms by acres harvested:							
1 to 24 acres	10,488	64	669	1,624	3,228	2,878	2,025
25 to 99 acres	14,031	114	1,122	2,067	4,409	3,630	2,689
100 to 249 acres	6,493	44	480	900	1,959	1,668	1,442
250 to 499 acres	2,584	16	166	377	769	652	604
500 acres or more	1,931	9	103	290	540	487	502

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED - Con.								
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ... farms	869,534	452,930	1,982	18,112	41,784	94,572	118,910	177,570
acres	61,455,483	44,542,177	146,737	1,799,356	4,914,076	11,655,960	12,319,552	13,706,496
tons, dry	155,393,762	120,630,399	402,836	5,166,038	14,615,884	33,941,596	33,398,400	33,105,645
Irrigated ... farms	86,007	52,401	198	2,218	5,115	12,739	14,202	17,929
acres	10,264,753	8,523,145	25,446	350,637	1,037,875	2,442,089	2,449,718	2,217,380
Farms by acres harvested:								
1 to 24 acres	367,533	141,682	686	5,486	12,062	24,952	36,113	62,383
25 to 99 acres	345,273	190,256	888	7,653	16,362	37,020	49,032	79,301
100 to 249 acres	111,368	82,116	299	3,329	8,707	21,183	22,738	25,860
250 to 499 acres	30,370	25,576	78	1,108	2,951	7,363	7,236	6,840
500 acres or more	14,990	13,300	31	536	1,702	4,054	3,791	3,186
Alfalfa hay ... farms	290,726	182,295	916	9,318	20,704	47,239	47,750	56,368
acres	20,244,497	16,575,412	52,140	741,040	2,017,399	4,903,191	4,642,037	4,219,605
tons, dry	65,349,074	55,480,743	178,101	2,515,856	7,064,501	16,918,728	15,597,912	13,205,645
Irrigated ... farms	56,390	35,673	151	1,583	3,476	8,907	9,698	11,858
acres	6,556,652	5,511,326	18,305	243,690	668,113	1,620,290	1,594,811	1,366,117
Other tame hay ... farms	496,740	244,335	879	7,970	19,265	44,711	65,623	105,887
acres	26,763,972	17,046,856	57,611	609,948	1,573,126	3,770,277	4,705,526	6,330,368
tons, dry	54,347,673	35,785,173	107,941	1,331,438	3,437,458	8,169,086	9,913,777	12,825,473
Irrigated ... farms	24,348	14,215	43	552	1,307	3,353	3,903	5,057
acres	1,699,864	1,316,579	2,470	51,683	145,392	369,043	361,161	386,830
Field and grass seed crops, all ... farms	6,038	4,316	30	249	501	1,196	1,174	1,166
acres	1,178,726	1,062,317	2,683	54,698	129,779	345,484	310,341	219,332
Irrigated ... farms	1,457	1,220	4	86	154	400	336	240
acres	323,441	304,702	57	17,651	34,961	105,523	84,492	62,018
Land in vegetables (see text) ... farms	69,172	43,032	265	2,393	5,227	11,177	11,609	12,361
acres	4,356,880	3,900,303	5,522	149,771	510,508	1,396,075	1,070,059	768,368
Irrigated ... farms	29,885	20,824	137	1,304	2,793	5,912	5,583	5,095
acres	3,068,485	2,751,107	3,385	101,146	359,864	1,019,560	743,848	523,306
Farms by acres harvested:								
0.1 to 4.9 acres	41,453	21,187	139	1,189	2,357	4,638	5,793	7,071
5.0 to 24.9 acres	13,869	9,516	71	602	1,265	2,399	2,404	2,775
25.0 to 99.9 acres	6,671	5,649	43	306	689	1,832	1,535	1,244
100.0 to 249.9 acres	3,473	3,198	10	146	461	1,066	900	615
250.0 acres or more	3,706	3,482	2	150	455	1,242	977	656
Snap beans ... farms	17,300	10,768	91	636	1,338	2,802	2,913	2,988
acres	303,997	278,560	579	11,296	34,984	90,035	76,209	65,456
Harvested for processing ... farms	1,999	1,473	9	76	158	445	430	355
acres	198,101	182,780	516	8,990	20,851	57,481	52,677	42,264
Peas, green ... farms	4,532	3,307	11	185	433	1,036	848	794
acres	214,057	195,029	126	6,385	28,977	73,557	52,294	33,691
Harvested for processing ... farms	2,047	1,756	3	78	238	624	480	333
acres	206,092	188,186	123	6,302	28,142	71,146	50,309	32,165
Potatoes ... farms	15,014	9,915	51	686	1,311	2,602	2,605	2,660
acres	1,131,963	1,041,997	667	55,955	130,906	405,529	263,571	185,368
Harvested for processing ... farms	1,739	1,392	5	101	188	431	384	283
acres	599,604	558,030	382	36,084	71,473	215,811	135,527	98,753
Farms by acres harvested:								
0.1 to 4.9 acres	12,013	7,224	43	525	943	1,687	1,892	2,134
5.0 to 24.9 acres	612	463	3	14	55	140	145	106
25.0 to 99.9 acres	539	483	1	48	66	140	120	108
100.0 to 249.9 acres	714	676	4	41	106	236	168	121
250.0 acres or more	1,136	1,069	-	58	141	399	280	191
Sweet corn ... farms	28,241	17,691	76	876	2,050	4,560	4,528	5,601
acres	622,946	556,934	612	16,885	70,133	201,841	148,065	119,398
Harvested for processing ... farms	3,670	2,671	10	126	298	848	745	644
acres	361,886	327,379	213	10,389	37,098	133,710	86,558	59,413
Sweet potatoes ... farms	1,910	1,303	18	82	152	319	358	374
acres	105,284	94,643	369	7,258	12,407	29,726	22,287	22,597
Harvested for processing ... farms	259	200	5	15	34	56	49	41
acres	21,360	18,878	75	1,759	2,657	5,708	4,240	4,438
Tomatoes in the open ... farms	25,809	15,423	111	860	1,983	3,843	4,202	4,424
acres	442,225	392,447	622	7,630	46,547	143,533	124,870	69,245
Harvested for processing ... farms	1,761	1,123	10	61	129	294	340	289
acres	319,549	284,098	465	5,140	34,339	100,040	92,039	52,075
Land in orchards ... farms	115,935	55,595	104	1,486	4,357	11,681	15,600	22,367
acres	5,039,476	3,855,292	4,954	86,080	358,317	1,052,785	1,139,654	1,213,502
Irrigated ... farms	61,189	31,246	49	885	2,619	6,985	8,759	11,949
acres	3,981,316	3,135,637	4,276	69,371	303,664	864,942	932,270	961,115
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	52,775	19,608	45	464	1,430	3,766	5,602	8,301
5.0 to 24.9 acres	37,043	17,631	23	504	1,192	3,374	4,778	7,760
25.0 to 99.9 acres	17,119	11,076	28	329	1,017	2,460	3,077	4,165
100.0 to 249.9 acres	5,434	4,281	2	113	432	1,190	1,232	1,312
250.0 acres or more	3,564	2,999	6	76	286	891	911	829
Apples ... farms	25,591	12,818	21	386	1,151	3,174	3,618	4,468
bearing and nonbearing acres	398,770	335,562	230	9,196	30,743	105,012	96,379	94,002
Grapes ... farms	25,892	12,868	27	388	1,074	2,918	3,931	4,530
bearing and nonbearing acres	1,051,407	830,725	3,023	22,497	95,556	208,882	256,853	243,915
Peaches, all ... farms	13,582	7,348	11	227	689	1,752	2,097	2,572
bearing and nonbearing acres	149,237	124,664	66	3,674	17,145	35,240	32,479	36,060

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED - Con.							
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	416,604	1,551	21,082	61,249	128,874	119,622	84,226
acres	16,913,306	56,510	819,242	2,340,479	5,103,543	4,910,452	3,683,080
tons, dry	34,763,362	139,702	1,649,431	4,757,320	10,394,286	10,067,692	7,754,932
Irrigated ..... farms	33,606	100	1,437	4,314	10,519	10,033	7,203
acres	1,741,608	5,750	66,760	197,115	489,119	513,593	469,271
Farms by acres harvested:							
1 to 24 acres	225,851	854	11,736	34,550	70,727	63,554	44,430
25 to 99 acres	155,017	596	7,553	21,621	47,174	45,724	32,349
100 to 249 acres	29,252	84	1,489	4,212	9,175	8,455	5,837
250 to 499 acres	4,794	15	232	669	1,363	1,411	1,104
500 acres or more	1,690	2	72	197	435	478	506
Alfalfa hay ..... farms	108,431	448	6,290	17,493	35,788	29,720	18,692
acres	3,669,085	13,364	180,934	512,065	1,164,763	1,041,929	756,030
tons, dry	9,868,331	58,567	478,642	1,348,595	3,009,801	2,786,766	2,185,960
Irrigated ..... farms	20,717	52	913	2,745	6,572	6,069	4,366
acres	1,045,326	4,538	41,433	122,258	292,607	306,726	277,764
Other tame hay ..... farms	252,405	913	12,326	36,224	77,354	74,068	51,520
acres	9,717,116	32,355	467,010	1,351,027	2,904,980	2,874,032	2,087,712
tons, dry	18,562,500	62,731	864,340	2,521,071	5,517,855	5,538,581	4,057,922
Irrigated ..... farms	10,133	34	378	1,279	3,184	3,150	2,108
acres	383,285	898	13,424	42,386	115,029	113,128	98,420
Field and grass seed crops, all ..... farms	1,722	17	137	305	526	469	268
acres	116,409	883	6,629	19,862	35,083	30,376	23,576
Irrigated ..... farms	237	2	9	38	73	67	48
acres	18,739	(D)	(D)	1,093	4,001	6,254	6,720
Land in vegetables (see text) ..... farms	26,140	124	1,513	4,162	8,440	7,373	4,528
acres	456,576	679	13,357	62,632	159,741	147,306	72,862
Irrigated ..... farms	9,061	40	546	1,458	2,989	2,628	1,400
acres	317,378	251	6,731	43,277	115,948	106,648	44,523
Farms by acres harvested:							
0.1 to 4.9 acres	20,266	93	1,172	3,231	6,479	5,765	3,526
5.0 to 24.9 acres	4,353	23	269	702	1,464	1,190	705
25.0 to 99.9 acres	1,022	8	58	171	339	261	185
100.0 to 249.9 acres	275	-	6	37	84	84	64
250.0 acres or more	224	-	8	21	74	73	48
Snap beans ..... farms	6,532	36	370	1,087	2,141	1,794	1,104
acres	25,436	149	1,139	2,034	5,667	9,601	6,846
Harvested for processing ..... farms	526	7	35	73	172	150	89
acres	15,321	129	666	1,173	2,237	7,330	3,787
Peas, green ..... farms	1,225	7	78	193	435	315	197
acres	19,029	(D)	(D)	2,287	7,743	4,743	3,299
Harvested for processing ..... farms	291	1	21	55	120	66	28
acres	17,907	(D)	(D)	2,166	7,471	4,333	3,018
Potatoes ..... farms	5,099	36	271	813	1,653	1,412	914
acres	89,966	81	414	11,028	32,570	30,966	14,907
Harvested for processing ..... farms	347	1	9	49	105	121	62
acres	41,574	(D)	(D)	4,884	18,085	11,637	6,772
Farms by acres harvested:							
0.1 to 4.9 acres	4,789	31	262	773	1,549	1,325	849
5.0 to 24.9 acres	149	4	4	21	55	43	22
25.0 to 99.9 acres	56	1	4	7	13	15	16
100.0 to 249.9 acres	38	-	1	3	11	13	10
250.0 acres or more	67	-	-	9	25	16	17
Sweet corn ..... farms	10,550	41	634	1,796	3,417	2,835	1,827
acres	66,012	103	3,312	8,083	22,744	20,914	10,855
Harvested for processing ..... farms	999	4	71	141	357	276	150
acres	34,506	(D)	(D)	3,960	12,345	11,068	5,943
Sweet potatoes ..... farms	607	-	25	108	169	194	111
acres	10,641	-	140	735	704	6,866	2,197
Harvested for processing ..... farms	59	-	2	8	17	16	16
acres	2,483	-	(D)	(D)	364	1,010	861
Tomatoes in the open ..... farms	10,386	43	561	1,628	3,390	2,978	1,786
acres	49,777	15	2,146	1,777	23,183	13,293	9,362
Harvested for processing ..... farms	638	3	42	99	181	204	109
acres	35,452	(Z)	(D)	(D)	19,301	9,670	4,775
Land in orchards ..... farms	60,340	92	1,717	6,637	17,361	19,076	15,457
acres	1,184,184	875	34,104	130,865	300,613	339,814	377,914
Irrigated ..... farms	29,943	47	763	3,177	8,447	9,549	7,960
acres	845,679	556	25,183	96,068	216,102	234,147	273,622
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	33,167	53	903	3,750	10,042	10,498	7,921
5.0 to 24.9 acres	19,412	31	561	2,136	5,415	6,127	5,142
25.0 to 99.9 acres	6,043	8	204	610	1,496	1,930	1,795
100.0 to 249.9 acres	1,153	-	33	93	268	383	376
250.0 acres or more	565	-	16	48	140	138	223
Apples ..... farms	12,773	18	436	1,583	4,108	4,045	2,583
bearing and nonbearing acres	63,208	28	1,598	6,700	16,659	18,425	19,798
Grapes ..... farms	13,024	28	366	1,518	3,996	4,197	2,919
bearing and nonbearing acres	220,682	389	8,477	27,502	60,248	66,849	57,218
Peaches, all ..... farms	6,234	12	233	850	1,961	1,892	1,286
bearing and nonbearing acres	24,573	28	955	3,672	6,487	6,699	6,733

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED - Con.								
Land in orchards - Con.								
Citrus fruit, all ..... farms	15,658	7,145	9	172	547	1,439	1,873	3,105
bearing and nonbearing acres	1,005,806	727,085	540	7,396	53,755	241,157	127,939	296,299
Almonds ..... farms	6,700	4,171	6	132	419	1,038	1,187	1,389
bearing and nonbearing acres	790,245	655,078	183	13,067	69,244	185,631	219,996	166,956
Pecans ..... farms	21,856	9,547	20	196	508	1,421	2,588	4,814
bearing and nonbearing acres	581,809	364,703	188	11,118	24,129	66,254	107,630	155,384
Walnuts, English ..... farms	7,161	3,680	5	101	308	743	1,001	1,522
bearing and nonbearing acres	267,751	208,696	8	5,945	17,624	56,438	67,378	61,302
Land in berries (see text) ..... farms	25,017	13,830	63	655	1,691	3,678	3,808	3,935
acres	261,733	188,077	217	6,687	18,983	68,882	52,934	40,374

See footnote(s) at end of table.

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Table 63. **Summary by Age and Primary Occupation of Principal Operator: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
CROPS HARVESTED - Con.							
Land in orchards - Con.							
Citrus fruit, all ..... farms	8,513	11	194	740	2,150	2,627	2,791
bearing and nonbearing acres	278,721	13	6,040	35,986	68,186	63,595	104,902
Almonds ..... farms	2,529	7	125	359	697	792	549
bearing and nonbearing acres	135,167	96	3,737	16,715	33,391	43,248	37,980
Pecans ..... farms	12,309	23	339	1,209	3,358	3,919	3,461
bearing and nonbearing acres	217,106	146	6,735	19,509	52,773	62,151	75,792
Walnuts, English ..... farms	3,481	8	83	432	930	1,116	912
bearing and nonbearing acres	59,055	8	1,549	4,956	15,644	20,702	16,196
Land in berries (see text) ..... farms	11,187	42	510	1,594	3,665	3,385	1,991
acres	73,657	118	1,837	6,949	14,831	27,321	22,601

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 64. **Summary by Farm Typology: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
FARMS AND LAND IN FARMS				
Farms ..... number	2,204,792	308,837	456,093	801,844
percent	100.0	14.0	20.7	36.4
Land in farms ..... acres	922,095,840	42,419,764	89,580,775	121,143,585
Average size of farm ..... acres	418	137	196	151
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS				
Total ..... farms	2,204,792	308,837	456,093	801,844
$1,000	305,204,413	2,750,900	7,514,848	11,580,682
Average per farm ..... dollars	138,428	8,907	16,477	14,443
Farms by economic class:				
Less than $1,000 (see text)	499,880	98,673	106,984	233,051
$1,000 to $2,499	270,712	49,614	64,362	126,983
$2,500 to $4,999	246,309	44,179	62,997	109,992
$5,000 to $9,999	254,834	44,000	67,734	108,648
$10,000 to $24,999	274,274	41,755	75,053	107,103
$25,000 to $49,999	163,500	18,335	40,181	55,170
$50,000 to $99,999	129,124	11,594	23,097	35,116
$100,000 to $249,999	149,049	687	15,300	25,118
$250,000 to $499,999	96,251	-	385	663
$500,000 to $999,999	63,567	-	-	-
$1,000,000 or more	57,292	-	-	-
$1,000,000 to $2,499,999	41,863	-	-	-
$2,500,000 to $4,999,999	9,845	-	-	-
$5,000,000 or more	5,584	-	-	-
Total sales ..... farms	2,204,792	308,837	456,093	801,844
$1,000	297,220,491	2,486,902	6,722,575	10,618,352
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	33,245	57,533	105,759
$1,000	77,215,262	549,757	1,960,924	3,788,436
Sales of $50,000 or more ..... farms	235,343	2,946	12,923	25,339
$1,000	73,535,966	203,340	1,330,035	2,690,391
Corn ..... farms	347,540	21,079	37,491	72,615
$1,000	39,909,600	254,780	942,067	1,991,913
Sales of $50,000 or more ..... farms	151,428	700	5,809	13,020
$1,000	36,859,125	43,689	509,517	1,172,990
Wheat ..... farms	159,527	7,906	15,370	25,106
$1,000	10,623,640	81,035	264,829	417,703
Sales of $50,000 or more ..... farms	47,250	185	1,209	1,859
$1,000	8,944,760	12,088	110,122	163,696
Soybeans ..... farms	285,089	15,307	32,003	57,830
$1,000	20,283,986	179,127	662,897	1,217,017
Sales of $50,000 or more ..... farms	109,269	240	3,191	6,172
$1,000	17,191,360	14,873	238,358	455,383
Sorghum ..... farms	27,142	1,204	1,979	3,767
$1,000	1,651,798	12,856	36,228	69,945
Sales of $50,000 or more ..... farms	8,972	24	173	333
$1,000	1,348,798	1,496	13,929	26,389
Barley ..... farms	18,326	895	1,155	1,813
$1,000	701,047	5,666	11,126	18,560
Sales of $50,000 or more ..... farms	3,973	12	43	74
$1,000	526,415	852	3,641	5,495
Rice ..... farms	6,085	121	222	387
$1,000	2,020,231	3,769	14,433	27,669
Sales of $50,000 or more ..... farms	5,184	31	98	184
$1,000	1,995,322	1,947	11,351	22,246
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	4,248	5,313	8,389
$1,000	2,024,959	12,523	29,344	45,629
Sales of $50,000 or more ..... farms	10,062	19	122	163
$1,000	1,698,514	1,107	8,988	13,002
Tobacco ..... farms	16,228	1,875	2,063	3,539
$1,000	1,268,114	23,860	49,732	68,022
Sales of $50,000 or more ..... farms	4,495	58	238	289
$1,000	1,076,035	3,936	22,651	24,769
Cotton and cottonseed ..... farms	18,591	602	1,077	1,584
$1,000	4,898,608	12,928	43,127	60,021
Sales of $50,000 or more ..... farms	13,232	76	302	393
$1,000	4,784,510	5,023	29,359	38,954
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	11,471	11,239	17,394
$1,000	14,683,058	89,169	145,106	185,725
Sales of $50,000 or more ..... farms	13,824	170	619	743
$1,000	14,167,307	11,100	58,340	64,487
Fruits, tree nuts, and berries ..... farms	112,690	12,318	26,505	34,878
$1,000	18,625,459	138,102	610,247	761,074
Sales of $50,000 or more ..... farms	28,824	492	3,499	4,284
$1,000	17,681,378	32,932	356,382	440,646
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	7,040	7,063	13,507
$1,000	16,632,734	94,707	180,769	377,942
Sales of $50,000 or more ..... farms	17,039	439	1,063	2,308
$1,000	16,227,627	29,087	115,527	253,759
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	1,563	4,097	4,954
$1,000	384,594	9,509	44,176	41,057
Sales of $50,000 or more ..... farms	1,088	21	205	182
$1,000	306,465	1,397	19,960	16,485

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
FARMS AND LAND IN FARMS					
Farms ....number	258,899	100,126	86,551	101,265	91,177
....percent	11.7	4.5	3.9	4.6	4.1
Land in farms .... acres	87,190,445	104,081,344	123,024,138	211,224,012	143,431,777
Average size of farm .... acres	337	1,040	1,421	2,086	1,573
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS					
Total ....farms	258,899	100,126	86,551	101,265	91,177
....$1,000	6,987,206	17,658,728	32,242,539	159,734,341	66,735,169
Average per farm .... dollars	26,988	176,365	372,526	1,577,389	731,930
Farms by economic class:					
Less than $1,000 (see text)	46,875	-	-	-	14,297
$1,000 to $2,499	22,328	-	-	-	7,425
$2,500 to $4,999	21,734	-	-	-	7,407
$5,000 to $9,999	26,290	-	-	-	8,162
$10,000 to $24,999	40,722	-	-	-	9,641
$25,000 to $49,999	43,189	-	-	-	6,625
$50,000 to $99,999	52,739	-	-	-	6,578
$100,000 to $249,999	5,012	94,138	-	-	8,794
$250,000 to $499,999	9	5,984	82,268	-	6,942
$500,000 to $999,999	1	4	4,281	53,179	6,102
$1,000,000 or more	-	-	2	48,086	9,204
$1,000,000 to $2,499,999	-	-	2	36,725	5,136
$2,500,000 to $4,999,999	-	-	-	7,848	1,997
$5,000,000 or more	-	-	-	3,513	2,071
Total sales ....farms	258,899	100,126	86,551	101,265	91,177
....$1,000	6,413,249	16,782,351	30,958,920	157,092,105	66,146,037
Grains, oilseeds, dry beans, and dry peas ....farms	65,188	67,765	62,722	64,748	22,507
....$1,000	2,131,535	7,864,175	15,623,306	39,547,062	5,750,068
Sales of $50,000 or more ....farms	17,742	52,120	53,618	57,236	13,419
....$1,000	1,273,465	7,590,441	15,451,659	39,399,291	5,597,344
Corn ....farms	43,524	52,395	50,767	53,453	16,216
....$1,000	954,275	3,759,280	7,844,235	21,210,255	2,952,793
Sales of $50,000 or more ....farms	4,476	33,071	40,280	45,120	8,952
....$1,000	284,033	3,354,150	7,630,749	21,035,351	2,828,647
Wheat ....farms	20,628	26,405	26,473	29,721	7,918
....$1,000	366,409	1,211,758	2,183,923	5,241,556	856,427
Sales of $50,000 or more ....farms	1,706	8,524	12,389	18,137	3,241
....$1,000	114,730	878,152	1,895,194	4,993,138	777,641
Soybeans ....farms	35,129	44,180	43,731	44,152	12,757
....$1,000	676,992	2,346,037	4,394,502	9,438,925	1,368,489
Sales of $50,000 or more ....farms	1,497	22,019	33,204	36,608	6,338
....$1,000	94,211	1,749,152	4,131,193	9,256,392	1,251,798
Sorghum ....farms	3,344	4,785	4,714	5,695	1,654
....$1,000	53,708	198,943	343,819	796,159	140,141
Sales of $50,000 or more ....farms	147	1,467	2,479	3,653	696
....$1,000	9,404	127,596	294,579	752,068	123,336
Barley ....farms	2,165	3,762	3,736	3,894	906
....$1,000	19,959	84,015	155,824	347,121	58,777
Sales of $50,000 or more ....farms	47	464	1,140	1,904	289
....$1,000	3,036	38,338	111,549	312,535	50,969
Rice ....farms	320	729	1,325	2,318	663
....$1,000	13,649	88,975	312,880	1,315,174	243,684
Sales of $50,000 or more ....farms	111	645	1,267	2,258	590
....$1,000	7,803	86,032	310,861	1,313,442	241,640
Other grains, oilseeds, dry beans, and dry peas ....farms	8,065	9,233	8,429	9,287	2,264
....$1,000	46,544	175,168	388,123	1,197,871	129,757
Sales of $50,000 or more ....farms	91	1,176	2,949	4,986	556
....$1,000	5,924	92,755	321,437	1,142,025	113,275
Tobacco .... farms	3,350	2,264	1,217	1,397	523
....$1,000	88,104	161,684	209,658	582,331	84,724
Sales of $50,000 or more ....farms	443	1,113	958	1,184	212
....$1,000	29,939	135,274	203,456	577,257	78,752
Cotton and cottonseed ....farms	1,526	2,879	3,433	6,052	1,438
....$1,000	49,888	291,671	692,678	3,121,858	626,438
Sales of $50,000 or more ....farms	336	2,213	3,091	5,707	1,114
....$1,000	23,371	272,248	683,339	3,112,435	619,781
Vegetables, melons, potatoes, and sweet potatoes ....farms	11,106	3,953	3,398	6,640	3,899
....$1,000	183,844	246,514	467,087	8,687,825	4,677,789
Sales of $50,000 or more ....farms	951	1,827	2,126	5,523	1,865
....$1,000	63,464	209,773	443,061	8,665,017	4,652,066
Fruits, tree nuts, and berries ....farms	14,120	5,050	4,348	5,940	9,531
....$1,000	335,214	572,426	1,159,933	8,380,767	6,667,695
Sales of $50,000 or more ....farms	2,481	3,730	3,639	5,175	5,524
....$1,000	175,203	554,416	1,149,422	8,367,616	6,604,761
Nursery, greenhouse, floriculture, and sod (see text) ....farms	7,457	3,457	2,586	3,903	5,771
....$1,000	180,549	386,000	694,922	7,668,655	7,049,191
Sales of $50,000 or more ....farms	1,273	2,586	2,210	3,559	3,601
....$1,000	87,686	370,895	688,401	7,662,870	7,019,402
Cut Christmas trees and short-rotation woody crops ....farms	1,485	298	206	235	536
....$1,000	21,566	22,079	30,429	157,943	57,835
Sales of $50,000 or more ....farms	123	155	109	157	136
....$1,000	8,175	20,286	29,111	156,806	54,245

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.				
Total - Con.				
Total sales - Con.				
Other crops and hay (see text) ....farms	434,502	56,774	93,298	156,158
$1,000	9,950,098	283,334	622,819	901,285
Sales of $50,000 or more ....farms	27,831	356	1,689	2,280
$1,000	7,529,077	22,541	144,804	195,076
Cattle and calves ....farms	798,290	98,920	162,393	264,239
$1,000	61,209,970	960,290	2,503,773	3,386,251
Sales of $50,000 or more ....farms	119,983	2,764	9,979	13,054
$1,000	53,786,091	185,483	900,371	1,216,989
Milk and other dairy products from cows ....farms	69,763	4,893	3,702	6,840
$1,000	31,848,029	115,268	193,539	223,072
Sales of $50,000 or more ....farms	50,792	913	1,375	1,458
$1,000	31,558,210	62,051	158,145	164,130
Hogs and pigs ....farms	74,789	8,668	6,211	25,454
$1,000	18,056,981	31,536	45,677	173,254
Sales of $50,000 or more ....farms	19,956	84	236	1,000
$1,000	17,829,977	5,688	25,776	112,695
Sheep, goats, and their products ....farms	121,171	22,610	20,442	51,189
$1,000	704,855	46,967	54,551	109,142
Sales of $50,000 or more ....farms	1,825	66	98	165
$1,000	415,640	4,505	9,166	15,576
Horses, ponies, mules, burros, and donkeys ....farms	114,317	16,962	18,896	50,529
$1,000	2,061,862	75,708	121,785	275,613
Sales of $50,000 or more ....farms	3,638	129	407	823
$1,000	1,559,047	8,509	37,790	75,942
Poultry and eggs ....farms	148,911	22,719	20,017	54,500
$1,000	37,065,947	26,659	85,929	140,315
Sales of $50,000 or more ....farms	26,267	50	398	589
$1,000	36,932,463	3,387	65,997	94,031
Aquaculture (see text) ....farms	6,409	654	736	1,650
$1,000	1,415,271	7,342	16,890	42,105
Sales of $50,000 or more ....farms	2,449	35	105	267
$1,000	1,376,454	2,440	12,336	31,619
Other animals and other animal products (see text) ....farms	43,226	6,916	8,221	17,327
$1,000	1,199,649	21,764	43,530	85,039
Sales of $50,000 or more ....farms	2,294	41	204	382
$1,000	1,066,659	2,651	20,254	37,150
Value of-				
Government payments ....farms	838,391	81,786	160,498	238,170
$1,000	7,983,922	263,998	792,273	962,330
Landlord's share of total sales (see text) ....farms	97,706	4,572	7,239	17,025
$1,000	6,429,386	33,351	101,144	243,287
Agricultural products sold directly to individuals for human consumption (see text) ....farms	136,817	20,492	26,298	56,203
$1,000	1,211,270	72,502	116,228	176,599
FARM PRODUCTION EXPENSES				
Total farm production expenses ....farms	2,204,792	308,837	456,093	801,844
$1,000	241,113,666	4,074,820	7,688,514	13,990,351
Average per farm ....dollars	109,359	13,194	16,857	17,448
Fertilizer, lime, and soil conditioners purchased ....farms	1,148,218	121,304	218,126	360,827
$1,000	18,107,194	302,712	766,341	1,209,449
Farms with expenses of-				
$1 to $4,999	734,931	105,643	177,260	297,388
$5,000 to $24,999	249,546	14,555	36,737	56,368
$25,000 to $49,999	74,633	945	3,349	5,982
$50,000 or more	89,108	161	780	1,089
Chemicals purchased ....farms	918,604	80,981	164,716	278,798
$1,000	10,074,914	96,695	260,311	461,224
Farms with expenses of-				
$1 to $4,999	666,084	76,555	151,711	254,283
$5,000 to $24,999	162,785	4,212	12,059	22,906
$25,000 to $49,999	46,594	167	805	1,364
$50,000 or more	43,141	47	141	245
Seeds, plants, vines, and trees ....farms	775,893	70,448	121,140	216,783
$1,000	11,740,521	130,725	290,878	568,818
Farms with expenses of-				
$1 to $999	302,164	44,740	71,708	126,925
$1,000 to $4,999	192,154	19,016	33,968	58,328
$5,000 to $24,999	173,462	6,283	14,346	29,117
$25,000 to $49,999	56,320	341	912	1,954
$50,000 or more	51,793	68	206	459

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.					
Total - Con.					
Total sales - Con.					
Other crops and hay (see text) ..... farms	54,482	21,873	17,258	20,834	13,825
$1,000	530,178	718,396	1,025,471	4,341,268	1,527,346
Sales of $50,000 or more ..... farms	1,840	4,922	5,302	8,789	2,653
$1,000	123,882	523,565	887,047	4,199,242	1,432,921
Cattle and calves ..... farms	107,854	54,308	41,946	44,534	24,096
$1,000	2,196,287	3,333,961	4,766,195	23,579,644	20,483,568
Sales of $50,000 or more ..... farms	12,762	23,000	21,418	28,333	8,673
$1,000	869,541	2,777,441	4,332,937	23,234,505	20,268,824
Milk and other dairy products from cows ..... farms	8,129	18,246	12,797	11,753	3,403
$1,000	317,551	2,470,965	3,490,479	20,333,830	4,703,325
Sales of $50,000 or more ..... farms	3,081	17,069	12,423	11,558	2,915
$1,000	217,223	2,445,279	3,484,208	20,331,211	4,695,964
Hogs and pigs ..... farms	8,781	4,639	5,551	11,976	3,509
$1,000	58,525	243,474	864,214	12,046,328	4,593,971
Sales of $50,000 or more ..... farms	276	1,852	3,808	10,656	2,044
$1,000	18,190	208,846	840,304	12,031,458	4,587,020
Sheep, goats, and their products ..... farms	16,261	3,530	2,241	1,955	2,943
$1,000	68,511	71,845	71,424	201,271	81,145
Sales of $50,000 or more ..... farms	200	486	326	321	163
$1,000	13,393	50,354	58,949	192,625	71,072
Horses, ponies, mules, burros, and donkeys ..... farms	18,210	2,851	1,687	1,877	3,305
$1,000	141,802	87,384	97,204	823,804	438,563
Sales of $50,000 or more ..... farms	543	565	329	438	404
$1,000	36,089	76,982	89,715	815,883	418,136
Poultry and eggs ..... farms	17,884	4,695	5,955	18,463	4,678
$1,000	39,324	191,884	1,587,575	26,756,617	8,237,644
Sales of $50,000 or more ..... farms	172	1,086	4,316	17,650	2,006
$1,000	11,938	185,012	1,584,554	26,755,084	8,232,460
Aquaculture (see text) ..... farms	797	401	400	470	1,301
$1,000	20,140	50,012	97,001	497,736	684,045
Sales of $50,000 or more ..... farms	160	324	324	390	844
$1,000	11,264	48,970	95,803	496,564	677,460
Other animals and other animal products (see text) ..... farms	6,430	1,202	744	857	1,529
$1,000	50,230	69,881	81,345	365,168	482,691
Sales of $50,000 or more ..... farms	318	460	273	290	326
$1,000	21,716	66,863	79,275	362,270	476,480
Value of-					
Government payments ..... farms	101,580	78,355	68,148	69,414	40,440
$1,000	573,957	876,377	1,283,618	2,642,235	589,132
Landlord's share of total sales (see text) ..... farms	10,803	16,042	18,374	18,990	4,661
$1,000	127,177	612,479	1,400,981	3,451,999	458,969
Agricultural products sold directly to individuals for human consumption (see text) ..... farms	19,844	4,796	2,864	2,386	3,934
$1,000	154,378	131,733	130,727	281,486	147,618
FARM PRODUCTION EXPENSES					
Total farm production expenses ..... farms	258,899	100,126	86,551	101,265	91,177
$1,000	7,833,100	13,033,789	23,006,971	117,148,519	54,337,603
Average per farm ..... dollars	30,255	130,174	265,820	1,156,851	595,957
Fertilizer, lime, and soil conditioners purchased ..... farms	149,242	88,376	77,325	83,874	49,144
$1,000	759,817	1,752,040	3,065,476	8,187,603	2,063,756
Farms with expenses of-					
$1 to $4,999	100,824	16,617	7,380	7,644	22,175
$5,000 to $24,999	44,720	46,192	23,423	14,410	13,141
$25,000 to $49,999	3,132	19,584	23,277	13,261	5,103
$50,000 or more	566	5,983	23,245	48,559	8,725
Chemicals purchased ..... farms	118,680	80,143	71,131	80,522	43,633
$1,000	296,795	837,208	1,537,183	5,027,713	1,557,783
Farms with expenses of-					
$1 to $4,999	101,431	30,895	14,312	14,021	22,876
$5,000 to $24,999	16,402	42,004	34,237	20,037	10,928
$25,000 to $49,999	687	5,929	16,358	17,091	4,193
$50,000 or more	160	1,315	6,224	29,373	5,636
Seeds, plants, vines, and trees ..... farms	104,665	79,440	70,438	76,744	36,235
$1,000	363,433	1,019,279	1,849,274	5,705,397	1,812,716
Farms with expenses of-					
$1 to $999	40,959	4,831	2,286	2,574	8,141
$1,000 to $4,999	40,107	19,072	7,660	5,611	8,392
$5,000 to $24,999	22,571	45,469	29,134	16,930	9,612
$25,000 to $49,999	807	8,676	23,043	16,522	4,065
$50,000 or more	221	1,392	8,315	35,107	6,025

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
FARM PRODUCTION EXPENSES - Con.				
Total farm production expenses - Con.				
Livestock and poultry purchased or leased (see text) ....farms	490,819	50,956	72,911	172,695
$1,000	38,003,682	188,556	398,110	887,209
Farms with expenses of-				
$1 to $4,999	306,414	41,544	55,867	134,633
$5,000 to $24,999	97,441	8,152	13,817	31,037
$25,000 to $99,999	42,768	1,223	2,920	6,274
$100,000 to $249,999	24,183	36	301	740
$250,000 or more	20,013	1	6	11
Breeding livestock purchased or leased (see text) ....farms	278,572	28,015	44,555	97,073
$1,000	3,599,873	101,926	195,230	435,240
Other livestock and poultry purchased or leased (see text) ....farms	279,155	29,482	35,707	98,370
$1,000	34,403,809	86,629	202,880	451,969
Feed purchased ....farms	1,135,968	158,983	216,351	431,735
$1,000	49,095,106	603,354	928,877	1,749,393
Farms with expenses of-				
$1 to $4,999	766,606	126,091	168,001	342,432
$5,000 to $24,999	245,328	30,120	43,532	80,769
$25,000 to $99,999	66,394	2,703	4,434	7,837
$100,000 to $249,999	23,472	67	371	657
$250,000 or more	34,168	2	13	40
Gasoline, fuels, and oils ....farms	2,148,806	298,001	444,652	777,825
$1,000	12,912,179	470,977	804,491	1,243,530
Farms with expenses of-				
$1 to $4,999	1,704,545	277,095	407,746	722,096
$5,000 to $24,999	336,324	20,018	35,110	53,087
$25,000 to $49,999	64,765	692	1,398	2,101
$50,000 or more	43,172	196	398	541
Utilities (see text) ....farms	1,102,530	116,332	204,294	331,096
$1,000	5,917,615	146,910	267,531	408,360
Farms with expenses of-				
$1 to $999	506,560	72,334	128,562	214,353
$1,000 to $4,999	402,839	39,419	67,447	103,989
$5,000 to $24,999	157,818	4,446	7,905	12,226
$25,000 to $49,999	19,269	112	298	436
$50,000 or more	16,044	21	82	92
Supplies, repairs, and maintenance ....farms	1,992,234	270,876	409,689	711,999
$1,000	15,896,723	601,526	1,061,904	1,697,923
Farms with expenses of-				
$1 to $4,999	1,478,317	240,175	354,008	624,116
$5,000 to $24,999	389,971	29,128	52,446	83,070
$25,000 to $49,999	73,014	1,273	2,632	3,939
$50,000 or more	50,932	300	603	874
Hired farm labor ....farms	482,186	35,319	71,645	110,412
$1,000	21,877,661	174,874	422,939	677,226
Farms with expenses of-				
$1 to $4,999	262,262	28,040	55,727	86,006
$5,000 to $24,999	108,122	5,573	11,677	17,468
$25,000 to $99,999	75,938	1,619	3,859	6,303
$100,000 to $249,999	21,237	80	357	578
$250,000 or more	14,627	7	25	57
Contract labor ....farms	182,701	14,364	31,927	51,807
$1,000	4,514,166	54,033	152,709	244,009
Farms with expenses of-				
$1 to $999	49,657	5,862	11,654	19,871
$1,000 to $4,999	66,104	5,731	12,980	20,620
$5,000 to $24,999	45,949	2,414	6,125	9,439
$25,000 to $49,999	9,730	283	825	1,266
$50,000 or more	11,261	74	343	611
Customwork and custom hauling ....farms	362,475	27,055	61,263	96,575
$1,000	4,091,038	51,864	166,038	265,619
Farms with expenses of-				
$1 to $999	119,768	14,961	29,316	46,449
$1,000 to $4,999	131,318	9,697	23,450	36,630
$5,000 to $24,999	83,762	2,267	7,864	12,385
$25,000 to $49,999	14,558	108	503	893
$50,000 or more	13,069	22	130	218
Cash rent for land, buildings, and grazing fees ....farms	490,372	35,923	55,019	119,500
$1,000	13,274,530	155,877	263,020	674,231
Farms with expenses of-				
$1 to $4,999	238,363	28,296	42,993	87,905
$5,000 to $9,999	59,281	3,830	5,906	13,738
$10,000 to $24,999	76,679	2,888	4,322	12,305
$25,000 or more	116,049	909	1,798	5,552

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
FARM PRODUCTION EXPENSES - Con.					
Total farm production expenses - Con.					
Livestock and poultry purchased or leased (see text) ..... farms	64,587	31,923	30,861	49,822	17,064
$1,000	415,082	701,929	1,818,795	18,715,418	14,878,583
Farms with expenses of-					
$1 to $4,999	44,263	12,396	7,279	3,941	6,491
$5,000 to $24,999	16,586	11,185	7,779	5,292	3,593
$25,000 to $99,999	3,586	6,993	8,646	10,788	2,338
$100,000 to $249,999	147	1,312	6,151	13,617	1,879
$250,000 or more	5	37	1,006	16,184	2,763
Breeding livestock purchased or leased (see text) ..... farms	41,323	22,707	17,570	18,260	9,069
$1,000	243,250	290,338	353,986	1,399,485	580,418
Other livestock and poultry purchased or leased (see text) ..... farms	33,200	14,388	18,260	39,431	10,317
$1,000	171,832	411,591	1,464,809	17,315,933	14,298,165
Feed purchased ..... farms	144,031	51,040	42,632	57,730	33,466
$1,000	943,124	1,299,967	2,608,201	29,415,159	11,547,030
Farms with expenses of-					
$1 to $4,999	90,995	13,106	7,290	4,200	14,491
$5,000 to $24,999	46,291	19,283	10,723	6,068	8,542
$25,000 to $99,999	6,520	17,181	15,101	8,308	4,310
$100,000 to $249,999	201	1,391	8,517	10,288	1,980
$250,000 or more	24	79	1,001	28,866	4,143
Gasoline, fuels, and oils ..... farms	253,850	99,833	86,301	101,062	87,282
$1,000	786,924	1,094,266	1,642,478	5,086,073	1,783,438
Farms with expenses of-					
$1 to $4,999	204,328	23,897	9,325	6,577	53,481
$5,000 to $24,999	47,720	69,087	56,548	34,176	20,578
$25,000 to $49,999	1,519	5,883	16,485	30,440	6,247
$50,000 or more	283	966	3,943	29,869	6,976
Utilities (see text) ..... farms	146,578	85,138	75,779	93,267	50,046
$1,000	285,232	385,560	578,587	2,587,877	1,257,558
Farms with expenses of-					
$1 to $999	63,148	10,373	4,303	1,816	11,671
$1,000 to $4,999	71,894	50,211	33,964	19,493	16,422
$5,000 to $24,999	11,225	23,461	34,229	49,706	14,620
$25,000 to $49,999	270	821	2,385	11,829	3,118
$50,000 or more	41	272	898	10,423	4,215
Supplies, repairs, and maintenance ..... farms	234,044	96,826	86,528	101,237	81,035
$1,000	935,895	1,238,809	1,848,869	6,042,423	2,469,373
Farms with expenses of-					
$1 to $4,999	175,344	22,088	10,157	7,249	45,180
$5,000 to $24,999	55,450	63,774	49,832	35,234	21,037
$25,000 to $49,999	2,604	9,384	20,465	26,261	6,456
$50,000 or more	646	1,580	6,074	32,493	8,362
Hired farm labor ..... farms	57,448	44,742	49,897	74,357	38,366
$1,000	464,256	717,125	1,433,000	10,733,098	7,255,144
Farms with expenses of-					
$1 to $4,999	38,876	20,088	14,624	9,935	8,966
$5,000 to $24,999	13,673	15,739	17,858	17,650	8,484
$25,000 to $99,999	4,518	8,159	14,379	26,167	10,934
$100,000 to $249,999	346	691	2,768	11,571	4,846
$250,000 or more	35	65	268	9,034	5,136
Contract labor ..... farms	23,000	12,451	13,162	21,839	14,151
$1,000	134,273	145,743	254,605	2,033,227	1,495,568
Farms with expenses of-					
$1 to $999	6,300	1,764	1,275	1,189	1,742
$1,000 to $4,999	9,547	4,769	4,178	4,736	3,543
$5,000 to $24,999	6,147	4,355	5,029	7,984	4,456
$25,000 to $49,999	768	988	1,335	2,750	1,515
$50,000 or more	238	575	1,345	5,180	2,895
Customwork and custom hauling ..... farms	44,014	39,239	35,030	41,624	17,675
$1,000	146,448	281,037	443,869	1,903,449	832,713
Farms with expenses of-					
$1 to $999	16,069	5,279	2,853	1,957	2,884
$1,000 to $4,999	19,944	16,998	11,323	8,325	4,951
$5,000 to $24,999	7,476	15,112	16,295	16,677	5,686
$25,000 to $49,999	400	1,482	3,119	6,385	1,668
$50,000 or more	125	368	1,440	8,280	2,486
Cash rent for land, buildings, and grazing fees ..... farms	66,014	63,022	60,178	67,102	23,614
$1,000	457,181	1,213,016	2,250,937	6,752,160	1,508,107
Farms with expenses of-					
$1 to $4,999	41,977	16,631	8,399	5,063	7,099
$5,000 to $9,999	11,474	10,685	6,601	4,249	2,798
$10,000 to $24,999	9,525	19,272	14,229	10,142	3,996
$25,000 or more	3,038	16,434	30,949	47,648	9,721

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
FARM PRODUCTION EXPENSES - Con.				
Total farm production expenses - Con.				
Rent and lease expenses for machinery, equipment, and farm share of vehicles ....farms	109,199	6,484	10,597	23,855
$1,000	1,385,219	13,858	22,531	56,362
Farms with expenses of-				
$1 to $999	39,280	3,797	6,395	13,820
$1,000 to $4,999	31,997	1,864	3,057	6,934
$5,000 to $24,999	26,656	771	1,061	2,851
$25,000 to $49,999	5,778	50	62	202
$50,000 or more	5,488	2	22	48
Interest expense ....farms	667,454	57,744	83,380	220,121
$1,000	10,880,731	391,331	587,658	1,619,425
Farms with expenses of-				
$1 to $4,999	289,876	34,728	49,636	119,382
$5,000 to $24,999	275,988	20,390	29,635	90,763
$25,000 to $99,999	87,574	2,545	3,965	9,603
$100,000 or more	14,016	81	144	373
Secured by real estate ....farms	519,095	44,511	64,438	179,842
$1,000	7,185,334	304,041	458,249	1,314,532
Farms with expenses of-				
$1 to $999	58,501	7,797	11,015	24,412
$1,000 to $4,999	171,356	18,425	26,465	71,790
$5,000 to $24,999	225,304	16,345	23,961	76,165
$25,000 to $49,999	39,515	1,470	2,284	5,779
$50,000 or more	24,419	474	713	1,696
Not secured by real estate ....farms	413,327	35,914	49,715	118,987
$1,000	3,695,397	87,290	129,408	304,893
Farms with expenses of-				
$1 to $999	122,808	16,864	22,558	51,004
$1,000 to $4,999	153,159	14,384	20,406	51,102
$5,000 to $24,999	106,610	4,447	6,335	16,259
$25,000 to $49,999	18,841	216	389	587
$50,000 or more	11,909	3	27	35
Property taxes paid ....farms	1,995,808	262,900	399,112	750,512
$1,000	6,223,048	452,730	813,373	1,402,279
Farms with expenses of-				
$1 to $4,999	1,717,819	246,817	366,475	697,847
$5,000 to $9,999	172,489	12,074	24,463	39,506
$10,000 to $24,999	80,800	3,392	7,043	11,227
$25,000 or more	24,700	617	1,131	1,932
All other production expenses (see text) ....farms	1,115,703	108,633	191,900	334,228
$1,000	17,119,339	238,797	481,801	825,292
Farms with expenses of-				
$1 to $4,999	765,840	97,644	169,739	295,875
$5,000 to $24,999	234,512	10,070	20,147	35,021
$25,000 to $49,999	55,174	722	1,421	2,419
$50,000 to $99,999	32,742	145	474	706
$100,000 or more	27,435	52	119	207
Production expenses paid by landlords [1] ....farms	67,427	2,457	3,499	9,072
$1,000	1,556,963	11,245	23,770	62,073
Depreciation expenses claimed (see text) ....farms	963,340	87,968	174,223	292,790
$1,000	20,185,540	545,213	1,281,671	2,111,462
NET CASH FARM INCOME (SEE TEXT)				
Net cash farm income of operations (see text) ....farms	2,204,792	308,837	456,093	801,844
$1,000	74,581,098	-946,881	1,060,640	-873,803
Average per farm ....dollars	33,827	-3,066	2,325	-1,090
Farms with net gains [2] ....number	1,037,041	111,733	206,473	280,087
Average net gain ....dollars	89,479	7,636	16,825	15,695
Gain of-				
Less than $1,000	102,871	20,302	27,890	42,756
$1,000 to $4,999	221,477	41,530	60,703	86,843
$5,000 to $9,999	128,828	21,323	35,052	46,269
$10,000 to $24,999	170,636	22,378	41,960	53,095
$25,000 to $49,999	119,233	5,371	23,387	29,292
$50,000 or more	293,996	829	17,481	21,832
Farms with net losses ....number	1,167,751	197,104	249,620	521,757
Average net loss ....dollars	15,596	9,133	9,668	10,100
Loss of-				
Less than $1,000	134,307	27,304	34,175	58,381
$1,000 to $4,999	426,570	80,630	98,050	198,870
$5,000 to $9,999	247,156	41,258	52,712	118,353
$10,000 to $24,999	225,863	33,168	44,936	103,615
$25,000 to $49,999	76,927	10,012	13,393	29,744
$50,000 or more	56,928	4,732	6,354	12,794

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
FARM PRODUCTION EXPENSES - Con.					
Total farm production expenses - Con.					
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	12,139	11,850	13,898	22,002	8,374
$1,000	36,846	71,695	143,773	727,235	312,919
Farms with expenses of-					
$1 to $999	5,780	3,464	2,525	1,985	1,514
$1,000 to $4,999	4,187	4,432	4,631	4,823	2,069
$5,000 to $24,999	2,011	3,379	5,206	8,609	2,768
$25,000 to $49,999	128	444	1,074	3,046	772
$50,000 or more	33	131	462	3,539	1,251
Interest expense ..... farms	84,314	61,385	58,668	74,288	27,554
$1,000	691,014	841,328	1,293,117	4,252,995	1,203,863
Farms with expenses of-					
$1 to $4,999	43,001	18,006	9,955	6,646	8,522
$5,000 to $24,999	36,478	34,405	30,281	23,631	10,405
$25,000 to $99,999	4,658	8,710	17,632	34,102	6,359
$100,000 or more	177	264	800	9,909	2,268
Secured by real estate ..... farms	64,038	44,092	44,205	58,478	19,491
$1,000	522,677	542,428	796,829	2,522,234	724,344
Farms with expenses of-					
$1 to $999	7,836	2,480	1,683	1,500	1,778
$1,000 to $4,999	24,237	11,857	8,086	6,177	4,319
$5,000 to $24,999	28,468	24,591	24,510	23,399	7,865
$25,000 to $49,999	2,724	4,051	7,315	13,302	2,590
$50,000 or more	773	1,113	2,611	14,100	2,939
Not secured by real estate ..... farms	52,801	44,182	42,365	51,230	18,133
$1,000	168,337	298,900	496,288	1,730,760	479,519
Farms with expenses of-					
$1 to $999	17,720	5,732	3,115	2,258	3,557
$1,000 to $4,999	24,868	17,707	11,063	8,206	5,423
$5,000 to $24,999	9,807	19,285	23,398	21,290	5,789
$25,000 to $49,999	389	1,309	3,983	10,385	1,583
$50,000 or more	17	149	806	9,091	1,781
Property taxes paid ..... farms	236,320	91,403	80,710	95,718	79,133
$1,000	589,715	440,205	551,222	1,322,823	650,700
Farms with expenses of-					
$1 to $4,999	208,736	60,848	42,869	38,289	55,938
$5,000 to $9,999	20,665	21,620	21,409	22,050	10,702
$10,000 to $24,999	6,033	8,065	14,140	23,001	7,899
$25,000 or more	886	870	2,292	12,378	4,594
All other production expenses (see text) ..... farms	142,282	99,598	86,433	101,135	51,494
$1,000	527,065	994,580	1,687,584	8,655,869	3,708,352
Farms with expenses of-					
$1 to $4,999	114,853	40,081	17,843	7,643	22,162
$5,000 to $24,999	24,982	52,077	46,429	30,668	15,118
$25,000 to $49,999	1,764	5,867	16,358	21,420	5,203
$50,000 to $99,999	523	1,298	4,665	21,136	3,795
$100,000 or more	160	275	1,138	20,268	5,216
Production expenses paid by landlords [1] ..... farms	5,974	11,295	14,274	17,519	3,337
$1,000	35,225	151,111	338,953	830,492	104,094
Depreciation expenses claimed (see text) ..... farms	123,603	78,284	73,477	88,694	44,301
$1,000	1,209,355	1,714,488	2,644,122	7,917,241	2,761,989
NET CASH FARM INCOME (SEE TEXT)					
Net cash farm income of operations (see text) ..... farms	258,899	100,126	86,551	101,265	91,177
$1,000	562,961	5,548,427	10,374,821	45,142,837	13,712,096
Average per farm ..... dollars	2,174	55,414	119,869	445,789	150,390
Farms with net gains [2] ..... number	127,538	86,838	77,474	93,239	53,659
Average net gain ..... dollars	22,613	73,805	146,433	508,840	297,967
Gain of-					
Less than $1,000	8,473	278	124	41	3,007
$1,000 to $4,999	22,871	1,323	519	253	7,435
$5,000 to $9,999	18,404	1,910	705	256	4,909
$10,000 to $24,999	34,324	7,505	2,348	1,004	8,022
$25,000 to $49,999	29,695	17,684	5,615	1,871	6,318
$50,000 or more	13,771	58,138	68,163	89,814	23,968
Farms with net losses ..... number	131,361	13,288	9,077	8,026	37,518
Average net loss ..... dollars	17,669	64,767	106,853	286,675	60,679
Loss of-					
Less than $1,000	10,448	263	138	46	3,552
$1,000 to $4,999	37,415	1,097	439	189	9,880
$5,000 to $9,999	26,949	1,174	519	218	5,973
$10,000 to $24,999	32,477	2,761	1,414	577	6,915
$25,000 to $49,999	14,323	2,870	1,682	897	4,006
$50,000 or more	9,749	5,123	4,885	6,099	7,192

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
NET CASH FARM INCOME (SEE TEXT) - Con.				
Net cash farm income of operators (see text) ....farms	2,204,792	308,837	456,093	801,844
$1,000	64,197,836	-970,505	975,707	-1,072,360
Average per farm ....dollars	29,117	-3,142	2,139	-1,337
Operators reporting net gains [2] ....farms	1,025,783	111,198	205,702	278,027
Average net gain ....dollars	81,061	7,505	16,525	15,201
Gain of-				
Less than $1,000	103,330	20,306	27,947	42,867
$1,000 to $4,999	222,713	41,584	60,794	87,017
$5,000 to $9,999	129,906	21,258	35,127	46,358
$10,000 to $24,999	173,780	22,243	41,916	52,833
$25,000 to $49,999	122,964	5,055	23,114	28,584
$50,000 or more	273,090	752	16,804	20,368
Operators reporting net losses ....farms	1,179,009	197,639	250,391	523,817
Average net loss ....dollars	16,075	9,133	9,679	10,115
Loss of-				
Less than $1,000	135,011	27,372	34,227	58,636
$1,000 to $4,999	428,133	80,811	98,257	199,378
$5,000 to $9,999	248,731	41,358	52,901	118,866
$10,000 to $24,999	228,206	33,305	45,144	104,034
$25,000 to $49,999	78,919	10,051	13,445	30,009
$50,000 or more	60,009	4,742	6,417	12,894
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)				
Total ....farms	50,572	1,618	2,694	5,819
$1,000	4,445,758	14,763	40,011	102,035
INCOME FROM FARM-RELATED SOURCES				
Total income from farm-related sources, gross before taxes and expenses (see text) ....farms	693,187	65,849	128,479	188,467
$1,000	10,489,874	377,029	1,234,305	1,535,866
Customwork and other agricultural services ....farms	121,874	8,231	13,165	22,813
$1,000	1,875,665	41,004	81,296	129,020
Gross cash rent or share payments ....farms	241,923	27,172	61,240	81,708
$1,000	2,883,897	132,036	652,490	668,796
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ....farms	47,603	5,754	13,137	15,493
$1,000	594,944	32,659	165,596	160,856
Agri-tourism and recreational services (see text) ....farms	23,350	2,240	4,472	6,114
$1,000	566,834	17,868	46,447	96,080
Patronage dividends and refunds from cooperatives ....farms	288,196	16,234	36,852	53,966
$1,000	854,995	7,271	26,995	41,012
Crop and livestock insurance payments received (see text) ....farms	82,001	3,580	6,494	11,038
$1,000	1,676,727	26,890	55,772	90,057
Amount from state and local government agricultural program payments (see text) ....farms	34,410	3,630	6,730	8,141
$1,000	145,413	6,070	18,264	19,636
Other farm-related income sources (see text) ....farms	118,939	13,874	22,551	31,945
$1,000	1,891,400	113,231	187,445	330,410
LAND USE				
Total cropland ....farms	1,685,339	218,458	349,193	570,455
acres	406,424,909	14,650,189	32,625,419	44,552,133
Harvested cropland ....farms	1,328,004	156,737	256,099	423,930
acres	309,607,601	7,318,929	15,772,823	24,788,581
Farms by acres harvested:				
1 to 49 acres	700,266	114,707	170,363	294,322
50 to 99 acres	179,055	22,475	42,116	61,683
100 to 199 acres	141,875	12,779	25,907	38,924
200 to 499 acres	143,776	5,979	14,743	24,387
500 to 999 acres	82,211	690	2,587	4,077
1,000 to 1,999 acres	53,728	103	368	494
2,000 acres or more	27,093	4	15	43
Cropland-				
For pasture or grazing only ....farms	404,753	62,286	86,694	139,238
acres	35,771,154	3,470,832	6,318,330	7,942,785
On which all crops failed or were abandoned ....farms	89,587	12,423	16,881	26,983
acres	7,405,898	523,923	702,133	1,007,341
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ....farms	360,225	47,883	86,880	127,045
acres	37,968,749	2,949,354	8,947,341	9,627,469
In cultivated summer fallow ....farms	67,960	7,196	10,409	14,066
acres	15,671,507	387,151	884,792	1,185,957

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
NET CASH FARM INCOME (SEE TEXT) - Con.					
Net cash farm income of operators (see text) ..... farms	258,899	100,126	86,551	101,265	91,177
$1,000	474,784	5,074,160	9,100,341	37,570,364	13,045,345
Average per farm ..... dollars	1,834	50,678	105,144	371,010	143,077
Operators reporting net gains [2] ..... farms	126,579	85,340	75,695	90,201	53,041
Average net gain ..... dollars	22,218	70,141	134,505	446,135	291,651
Gain of-					
Less than $1,000	8,573	336	181	107	3,013
$1,000 to $4,999	23,109	1,489	690	500	7,530
$5,000 to $9,999	18,483	2,160	948	610	4,962
$10,000 to $24,999	34,412	8,328	3,517	2,402	8,129
$25,000 to $49,999	28,911	18,821	7,175	4,816	6,488
$50,000 or more	13,091	54,206	63,184	81,766	22,919
Operators reporting net losses ..... farms	132,320	14,786	10,856	11,064	38,136
Average net loss ..... dollars	17,666	61,658	99,574	241,459	63,565
Loss of-					
Less than $1,000	10,544	333	198	111	3,590
$1,000 to $4,999	37,559	1,213	581	410	9,924
$5,000 to $9,999	27,185	1,376	618	390	6,037
$10,000 to $24,999	32,699	3,134	1,740	1,136	7,014
$25,000 to $49,999	14,523	3,254	2,052	1,466	4,119
$50,000 or more	9,810	5,476	5,667	7,551	7,452
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)					
Total ..... farms	4,034	8,412	10,574	14,621	2,800
$1,000	60,021	355,644	818,741	2,717,626	336,917
INCOME FROM FARM-RELATED SOURCES					
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	92,859	62,533	56,805	64,145	34,050
$1,000	1,408,856	923,020	1,139,253	2,557,015	1,314,530
Customwork and other agricultural services ..... farms	16,608	15,780	17,408	21,896	5,973
$1,000	185,913	197,361	282,971	753,666	204,433
Gross cash rent or share payments ..... farms	29,360	10,244	8,522	9,805	13,872
$1,000	383,376	174,651	168,114	312,565	391,869
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	6,481	1,877	1,313	1,644	1,904
$1,000	76,142	27,101	23,580	42,516	66,495
Agri-tourism and recreational services (see text) ..... farms	4,165	1,632	1,348	1,240	2,139
$1,000	123,534	41,594	32,220	46,027	163,064
Patronage dividends and refunds from cooperatives ..... farms	35,642	43,516	41,612	46,666	13,708
$1,000	32,353	76,542	141,040	424,539	105,243
Crop and livestock insurance payments received (see text) ..... farms	10,227	14,427	14,845	17,088	4,302
$1,000	129,216	247,366	336,766	651,425	139,235
Amount from state and local government agricultural program payments (see text) ..... farms	4,683	3,823	2,988	2,888	1,527
$1,000	14,499	17,018	21,387	37,367	11,171
Other farm-related income sources (see text) ..... farms	20,594	8,783	7,466	8,548	5,178
$1,000	463,822	141,387	133,175	288,911	233,019
LAND USE					
Total cropland ..... farms	202,587	96,021	82,567	92,651	73,407
acres	29,915,508	46,633,064	67,608,704	138,341,568	32,098,324
Harvested cropland ..... farms	171,398	94,411	80,985	89,661	54,783
acres	17,957,142	37,446,025	57,908,732	124,624,983	23,790,386
Farms by acres harvested:					
1 to 49 acres	78,725	7,499	4,942	7,913	21,795
50 to 99 acres	31,396	7,363	3,570	4,045	6,407
100 to 199 acres	33,380	13,114	5,996	5,305	6,470
200 to 499 acres	23,924	39,665	16,324	10,949	7,805
500 to 999 acres	3,504	21,373	30,444	14,089	5,447
1,000 to 1,999 acres	433	4,968	17,102	25,969	4,291
2,000 acres or more	36	429	2,607	21,391	2,568
Cropland-					
For pasture or grazing only ..... farms	52,922	19,062	14,268	15,342	14,941
acres	4,935,401	3,149,602	3,021,316	3,933,412	2,999,476
On which all crops failed or were abandoned ..... farms	12,568	6,265	5,118	5,620	3,729
acres	1,178,566	1,073,216	1,043,831	1,416,753	460,135
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	34,374	13,971	13,283	16,367	20,422
acres	4,426,100	2,407,357	2,426,799	3,730,025	3,454,304
In cultivated summer fallow ..... farms	10,657	8,111	6,509	7,199	3,813
acres	1,418,299	2,556,864	3,208,026	4,636,395	1,394,023

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
LAND USE - Con.				
Total woodland ....farms	843,294	120,463	200,362	313,835
acres	75,098,603	6,838,842	15,546,446	20,037,531
Woodland pastured ....farms	370,297	57,121	87,496	137,593
acres	28,609,690	2,532,450	5,014,959	6,646,026
Woodland not pastured ....farms	596,123	81,088	142,203	218,736
acres	46,488,913	4,306,392	10,531,487	13,391,505
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ....farms	1,132,606	161,944	235,436	429,019
acres	408,832,116	18,719,562	36,840,233	50,651,096
Land in house lots, ponds, roads, wasteland, etc. ....farms	1,126,272	148,760	234,471	394,598
acres	31,740,212	2,211,171	4,568,677	5,902,825
Irrigated land ....farms	301,028	32,282	48,342	80,590
acres	56,599,305	841,049	1,696,330	2,623,748
Harvested cropland ....farms	256,105	25,227	38,707	61,511
acres	51,537,104	541,074	1,160,014	1,812,949
Pastureland and other land ....farms	72,585	9,896	14,460	27,110
acres	5,062,201	299,975	536,316	810,799
CONSERVATION PRACTICES AND CROP INSURANCE				
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ....farms	346,231	37,572	85,281	114,944
acres	38,547,450	2,872,395	10,065,242	10,247,956
Land enrolled in crop insurance programs (see text) ....farms	349,408	18,180	35,353	62,563
acres	222,267,817	2,695,471	6,261,516	11,091,007
ORGANIC AGRICULTURE				
Land used for organic production (see text) ....farms	20,437	3,471	2,585	5,680
acres	2,577,418	155,576	167,405	305,150
Total organic product sales (see text) ....farms	18,211	2,988	2,196	4,963
$1,000	1,709,111	25,733	29,309	54,380
VALUE OF LAND AND BUILDINGS				
Estimated market value of land and buildings ....farms	2,204,792	308,837	456,093	801,844
$1,000	1,744,295,252	103,417,149	207,400,087	315,712,625
Average per farm ....dollars	791,138	334,860	454,732	393,733
Average per acre ....dollars	1,892	2,438	2,315	2,606
Farms by value group:				
$1 to $49,999	223,182	50,956	43,131	94,781
$50,000 to $99,999	212,783	42,404	46,628	92,876
$100,000 to $199,999	374,783	64,816	86,478	166,419
$200,000 to $499,999	631,939	90,318	151,488	262,067
$500,000 to $999,999	371,783	41,882	82,861	124,179
$1,000,000 to $1,999,999	206,282	14,199	33,642	45,787
$2,000,000 to $4,999,999	132,549	3,631	10,201	13,337
$5,000,000 to $9,999,999	36,072	491	1,235	1,770
$10,000,000 or more	15,419	140	429	628
VALUE OF MACHINERY AND EQUIPMENT				
Estimated market value of all machinery and equipment ....farms	2,204,513	308,806	456,033	801,765
$1,000	194,783,471	11,424,579	21,150,983	34,987,021
Farms by value group:				
$1 to $4,999	195,820	43,008	44,722	84,269
$5,000 to $9,999	217,460	44,150	50,566	94,287
$10,000 to $19,999	351,088	63,468	83,943	152,442
$20,000 to $49,999	598,289	89,804	142,129	253,286
$50,000 to $99,999	366,768	42,810	81,029	132,352
$100,000 to $199,999	232,001	18,058	37,296	59,023
$200,000 to $499,999	175,152	6,959	14,887	23,836
$500,000 or more	67,935	549	1,461	2,270
SELECTED MACHINERY AND EQUIPMENT				
Trucks, including pickups (see text) ....farms	1,783,324	234,175	364,657	622,543
number	3,512,538	354,092	572,822	950,197
Tractors ....farms	1,844,647	242,418	392,187	656,627
number	4,389,812	454,248	789,808	1,205,723
Less than 40 horsepower (PTO) ....farms	910,937	131,857	209,489	333,069
number	1,280,039	178,003	288,236	434,102
40 to 99 horsepower (PTO) ....farms	1,238,101	152,274	263,685	425,639
number	1,998,508	221,747	398,720	595,152
100 horsepower (PTO) or more ....farms	555,941	40,101	73,004	126,645
number	1,111,265	54,498	102,852	176,469
Grain and bean combines, self-propelled ....farms	295,490	16,198	28,549	49,347
number	346,935	18,046	31,792	54,540

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
LAND USE - Con.					
Total woodland ..... farms	94,476	31,930	25,183	29,968	27,077
acres	8,181,690	3,971,462	3,796,581	5,450,431	11,275,620
Woodland pastured ..... farms	46,242	12,724	9,237	10,158	9,726
acres	3,562,513	1,844,601	1,609,565	1,996,422	5,403,154
Woodland not pastured ..... farms	63,691	25,050	20,207	24,289	20,859
acres	4,619,177	2,126,861	2,187,016	3,454,009	5,872,466
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ..... farms	144,233	50,491	38,053	38,573	34,857
acres	46,100,967	50,881,104	48,866,570	62,518,116	94,254,468
Land in house lots, ponds, roads, wasteland, etc. ..... farms	131,639	60,064	51,266	61,473	44,001
acres	2,992,280	2,595,714	2,752,283	4,913,897	5,803,365
Irrigated land ..... farms	38,185	21,597	21,895	33,983	24,154
acres	2,137,323	4,182,199	7,434,217	28,656,288	9,028,151
Harvested cropland ..... farms	32,389	21,082	21,483	33,348	22,358
acres	1,504,215	3,682,352	7,003,032	27,635,637	8,197,831
Pastureland and other land ..... farms	9,818	2,685	2,070	2,892	3,654
acres	633,108	499,847	431,185	1,020,651	830,320
CONSERVATION PRACTICES AND CROP INSURANCE					
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ..... farms	31,049	17,547	18,372	20,523	20,943
acres	4,485,592	2,414,528	2,252,100	2,947,142	3,262,495
Land enrolled in crop insurance programs (see text) ..... farms	44,343	54,797	54,102	59,259	20,811
acres	10,775,527	29,315,790	46,752,766	98,451,201	16,924,539
ORGANIC AGRICULTURE					
Land used for organic production (see text) ..... farms	3,873	1,578	885	932	1,433
acres	345,824	420,296	390,583	500,534	292,050
Total organic product sales (see text) ..... farms	3,564	1,467	833	894	1,306
$1,000	73,605	154,473	179,932	711,712	479,969
VALUE OF LAND AND BUILDINGS					
Estimated market value of land and buildings ..... farms	258,899	100,126	86,551	101,265	91,177
$1,000	155,697,110	144,449,053	198,494,734	436,879,624	182,244,870
Average per farm ..... dollars	601,382	1,442,673	2,293,385	4,314,221	1,998,803
Average per acre ..... dollars	1,786	1,388	1,613	2,068	1,271
Farms by value group:					
$1 to $49,999	23,056	1,046	711	1,043	8,458
$50,000 to $99,999	21,001	1,198	726	883	7,067
$100,000 to $199,999	39,035	3,386	1,890	1,871	10,888
$200,000 to $499,999	80,346	15,126	7,227	6,228	19,139
$500,000 to $999,999	57,467	26,650	12,997	10,628	15,119
$1,000,000 to $1,999,999	26,549	32,868	24,105	17,303	11,829
$2,000,000 to $4,999,999	9,239	17,257	33,022	34,535	11,327
$5,000,000 to $9,999,999	1,574	1,866	4,727	20,078	4,331
$10,000,000 or more	632	729	1,146	8,696	3,019
VALUE OF MACHINERY AND EQUIPMENT					
Estimated market value of all machinery and equipment ..... farms	258,860	100,122	86,548	101,262	91,117
$1,000	17,306,976	17,584,380	23,899,439	51,695,583	16,734,509
Farms by value group:					
$1 to $4,999	16,378	261	113	141	6,928
$5,000 to $9,999	19,931	516	312	399	7,299
$10,000 to $19,999	35,611	1,960	1,097	1,228	11,339
$20,000 to $49,999	74,622	9,249	4,356	5,068	19,775
$50,000 to $99,999	58,548	21,372	8,414	7,954	14,289
$100,000 to $199,999	35,968	34,909	21,504	13,576	11,667
$200,000 to $499,999	15,744	27,025	39,399	35,221	12,081
$500,000 or more	2,058	4,830	11,353	37,675	7,739
SELECTED MACHINERY AND EQUIPMENT					
Trucks, including pickups (see text) ..... farms	214,977	93,986	83,554	98,983	70,449
number	406,346	268,167	283,721	470,279	206,914
Tractors ..... farms	218,055	91,922	79,769	91,847	71,822
number	524,420	358,992	346,324	484,623	225,674
Less than 40 horsepower (PTO) ..... farms	105,402	34,736	28,914	33,471	33,999
number	151,713	57,207	48,514	65,418	56,846
40 to 99 horsepower (PTO) ..... farms	152,351	69,609	58,407	67,591	48,545
number	255,671	145,033	120,627	164,195	97,363
100 horsepower (PTO) or more ..... farms	74,697	73,572	67,481	71,450	28,991
number	117,036	156,752	177,183	255,010	71,465
Grain and bean combines, self-propelled ..... farms	36,553	49,051	50,902	51,503	13,387
number	41,514	56,523	59,763	68,143	16,614

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
SELECTED MACHINERY AND EQUIPMENT - Con.				
Cotton pickers and strippers, self-propelled ....farms	12,500	366	500	640
number	18,162	427	603	795
Forage harvesters, self-propelled ....farms	60,133	5,324	7,555	13,425
number	64,191	5,517	7,833	13,822
Hay balers ....farms	593,543	76,598	119,448	187,508
number	727,501	91,982	145,714	226,749
FERTILIZERS AND CHEMICALS				
Commercial fertilizer, lime, and soil conditioners ....farms	1,022,036	100,529	188,496	311,678
acres treated	265,995,497	5,402,635	13,686,433	20,837,463
Manure ....farms	307,073	30,436	45,109	84,770
acres treated	22,096,315	793,720	1,411,657	2,167,188
Acres treated with chemicals to control-				
Insects ....farms	354,357	22,431	47,693	78,462
acres	90,947,822	870,206	2,596,531	4,241,982
Weeds, grass, or brush ....farms	703,884	53,672	116,984	205,421
acres	226,295,783	3,266,052	8,985,231	15,151,045
Nematodes ....farms	34,992	2,037	4,044	7,155
acres	7,560,158	91,681	221,449	399,610
Diseases in crops and orchards ....farms	97,333	5,584	13,141	20,126
acres	22,693,212	126,721	348,890	678,469
Chemicals used to control growth, thin fruit, ripen, or defoliate ....farms	44,638	2,562	5,468	7,842
acres treated	12,125,799	68,911	172,198	247,656
TENURE				
Full owners ....farms	1,522,033	246,023	368,883	603,331
Part owners ....farms	542,192	44,811	74,500	151,112
Tenants ....farms	140,567	18,003	12,710	47,401
OWNED AND RENTED LAND				
Land owned ....farms	2,072,101	291,651	445,113	756,726
acres	646,247,118	36,084,995	90,565,605	103,621,924
Owned land in farms ....farms	2,064,225	290,834	443,383	754,443
acres	571,303,487	31,400,688	71,996,596	85,691,707
Land rented or leased from others ....farms	689,102	63,629	88,697	200,483
acres	355,918,954	11,287,886	18,236,963	36,304,625
Rented or leased land in farms ....farms	682,759	62,814	87,210	198,513
acres	350,792,353	11,019,076	17,584,179	35,451,878
Land rented or leased to others ....farms	314,140	37,917	81,357	108,252
acres	80,070,232	4,953,117	19,221,793	18,782,964
NUMBER OF OPERATORS				
Total operators .... number	3,337,450	444,578	657,763	1,219,122
Farms by number of operators:				
1 operator	1,273,122	196,388	284,682	440,814
2 operators	786,598	94,832	147,938	319,408
3 operators	112,285	14,323	19,185	31,931
4 operators	22,529	2,199	3,093	7,093
5 or more operators	10,258	1,095	1,195	2,598
Total women operators .... number	1,008,943	153,794	199,622	395,425
Farms by number of women operators:				
1 operator	894,347	134,987	179,153	355,913
2 operators	45,408	7,504	8,323	16,021
3 operators	5,439	887	930	1,827
4 operators	1,017	134	153	346
5 or more operators	546	102	71	110
PRINCIPAL OPERATOR CHARACTERISTICS				
Sex of operator:				
Male	1,898,583	232,628	390,466	702,910
Female	306,209	76,209	65,627	98,934
Primary occupation:				
Farming	993,881	154,378	258,254	-
Other	1,210,911	154,459	197,839	801,844
Place of residence:				
On farm operated	1,693,362	242,401	351,995	602,926
Not on farm operated	511,430	66,436	104,098	198,918
Days worked off farm:				
None	777,747	135,158	274,472	50,292
Any	1,427,045	173,679	181,621	751,552
1 to 49 days	238,479	40,229	56,464	74,041
50 to 99 days	115,578	18,659	27,935	35,343
100 to 199 days	196,687	26,409	34,316	81,121
200 days or more	876,301	88,382	62,906	561,047
Years on present farm:				
2 years or less	84,883	14,000	9,404	41,781
3 or 4 years	138,858	20,261	16,584	70,722
5 to 9 years	359,545	50,837	49,072	177,165

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
SELECTED MACHINERY AND EQUIPMENT - Con.					
Cotton pickers and strippers, self-propelled ..... farms	872	1,974	2,538	4,678	932
number	1,106	2,581	3,520	7,614	1,516
Forage harvesters, self-propelled ..... farms	8,825	8,026	6,664	7,178	3,136
number	9,198	8,603	7,236	8,397	3,585
Hay balers ..... farms	85,673	45,933	32,490	28,336	17,557
number	107,015	57,654	40,704	35,776	21,907
FERTILIZERS AND CHEMICALS					
Commercial fertilizer, lime, and soil conditioners ..... farms	133,242	86,157	75,722	81,502	44,710
acres treated	14,778,368	31,098,982	49,531,103	109,062,652	21,597,861
Manure ..... farms	41,104	32,048	27,514	34,951	11,141
acres treated	1,589,577	2,467,041	3,195,067	8,606,373	1,865,692
Acres treated with chemicals to control-					
Insects ..... farms	42,602	41,818	42,951	53,990	24,410
acres	2,937,577	8,384,590	15,648,932	46,319,580	9,948,424
Weeds, grass, or brush ..... farms	89,739	71,740	63,895	68,922	33,511
acres	10,578,758	27,234,260	44,913,115	97,803,460	18,363,862
Nematodes ..... farms	3,794	4,198	4,405	6,255	3,104
acres	239,775	754,771	1,249,443	3,699,496	903,933
Diseases in crops and orchards ..... farms	10,345	9,572	11,531	17,626	9,408
acres	418,456	1,482,859	3,432,813	13,149,857	3,055,147
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms	4,623	4,836	5,402	9,390	4,515
acres treated	210,371	876,128	1,826,227	7,050,510	1,673,798
TENURE					
Full owners ..... farms	165,273	27,785	19,784	28,932	62,022
Part owners ..... farms	71,957	59,864	57,602	62,655	19,691
Tenants ..... farms	21,669	12,477	9,165	9,678	9,464
OWNED AND RENTED LAND					
Land owned ..... farms	238,558	88,263	77,764	91,884	82,142
acres	64,968,294	58,617,492	64,007,970	101,841,914	126,538,924
Owned land in farms ..... farms	237,230	87,649	77,386	91,587	81,713
acres	55,568,362	55,142,547	61,035,817	98,125,391	112,342,379
Land rented or leased from others ..... farms	94,544	72,654	66,985	72,605	29,505
acres	32,321,263	49,392,308	62,524,981	113,984,464	31,866,464
Rented or leased land in farms ..... farms	93,626	72,341	66,767	72,333	29,155
acres	31,622,083	48,938,797	61,988,321	113,098,621	31,089,398
Land rented or leased to others ..... farms	36,944	11,186	9,204	11,013	18,267
acres	10,099,112	3,928,456	3,508,813	4,602,366	14,973,611
NUMBER OF OPERATORS					
Total operators ..... number	391,378	148,552	137,277	183,576	155,204
Farms by number of operators:					
1 operator	147,145	60,610	47,346	45,307	50,830
2 operators	96,151	32,544	30,267	38,425	27,033
3 operators	12,361	5,641	7,148	12,461	9,235
4 operators	2,306	972	1,356	3,367	2,143
5 or more operators	936	359	434	1,705	1,936
Total women operators ..... number	122,330	32,363	28,638	36,397	40,374
Farms by number of women operators:					
1 operator	108,268	29,375	25,418	30,684	30,549
2 operators	5,800	1,212	1,271	2,097	3,180
3 operators	625	139	144	318	569
4 operators	94	29	28	67	166
5 or more operators	38	6	15	45	159
PRINCIPAL OPERATOR CHARACTERISTICS					
Sex of operator:					
Male	217,933	96,290	83,330	97,518	77,508
Female	40,966	3,836	3,221	3,747	13,669
Primary occupation:					
Farming	258,899	100,126	77,597	92,535	52,092
Other	-	-	8,954	8,730	39,085
Place of residence:					
On farm operated	207,186	85,493	72,334	80,487	50,540
Not on farm operated	51,713	14,633	14,217	20,778	40,637
Days worked off farm:					
None	97,257	60,353	53,261	69,208	37,746
Any	161,642	39,773	33,290	32,057	53,431
1 to 49 days	28,887	11,252	8,810	7,544	11,252
50 to 99 days	18,349	4,984	3,335	2,628	4,345
100 to 199 days	31,955	7,322	4,956	3,795	6,813
200 days or more	82,451	16,215	16,189	18,090	31,021
Years on present farm:					
2 years or less	10,865	1,549	1,124	1,422	4,738
3 or 4 years	18,073	2,836	1,745	2,413	6,224
5 to 9 years	45,150	8,153	6,184	7,304	15,680

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
PRINCIPAL OPERATOR CHARACTERISTICS - Con.				
Years on present farm - Con.				
10 years or more	1,621,506	223,739	381,033	512,176
Average years on present farm	21.6	22.4	27.5	16.1
Age group:				
Under 25 years	11,878	3,194	-	3,858
25 to 34 years	106,735	12,146	-	52,744
35 to 44 years	268,818	29,750	2,457	145,238
45 to 49 years	256,694	28,417	3,884	136,898
50 to 54 years	308,707	35,903	11,376	157,731
55 to 59 years	312,577	38,580	40,848	137,535
60 to 64 years	283,729	40,076	81,130	87,308
65 to 69 years	235,152	35,941	110,351	37,090
70 years and over	420,502	84,830	206,047	43,442
Average age	57.1	59.9	68.9	51.4
Spanish, Hispanic, or Latino origin (see text)	55,570	9,750	11,255	19,813
Race:				
American Indian or Alaska Native	34,706	10,997	4,962	11,121
Asian	11,214	1,690	1,898	2,884
Black or African American	30,599	7,143	8,283	9,528
Native Hawaiian or Other Pacific Islander	1,356	216	299	493
White	2,114,325	286,481	437,675	773,337
More than one race reported	12,592	2,310	2,976	4,481
Farms by number of persons living in operator's household:				
1 person	275,842	63,219	71,261	72,455
2 people	1,108,995	152,089	324,975	334,486
3 people	330,188	42,063	38,697	148,616
4 people	285,919	29,923	13,207	149,204
5 or more people	203,848	21,543	7,953	97,083
Percent of operator's total household income from farming:				
Less than 25 percent	1,583,710	247,819	366,714	719,499
25 to 49 percent	174,800	20,637	40,378	47,196
50 to 74 percent	187,421	19,755	33,248	26,453
75 to 99 percent	147,092	10,557	13,793	7,100
100 percent	111,769	10,069	1,960	1,596
Operator is a hired manager ....farms	59,759	-	-	-
acres	120,672,499	-	-	-
Farms with-				
Internet access	1,246,723	125,182	208,839	505,625
High-speed internet access	726,700	65,820	111,139	299,655
Farms by number of households sharing in net income of farm:				
1 household	1,733,827	248,426	357,890	669,362
2 households	356,707	48,227	82,210	100,421
3 households	66,438	7,113	10,505	17,083
4 households	30,004	3,283	3,498	10,142
5 households or more	17,816	1,788	1,990	4,836
FARMS BY TYPE OF ORGANIZATION				
Family or individual ....farms	1,906,335	280,742	412,954	736,536
acres	574,150,050	35,891,558	73,519,723	99,962,238
Partnership ....farms	174,247	22,278	33,803	48,273
acres	161,416,999	4,852,032	11,564,609	14,974,602
Registered under state law ....farms	89,739	8,457	14,369	22,853
acres	114,284,815	2,586,702	6,644,227	9,453,461
Corporation ....farms	96,074	5,817	9,336	17,035
acres	125,319,810	1,676,174	4,496,443	6,206,745
Family held ....farms	85,837	5,817	9,336	17,035
acres	114,264,200	1,676,174	4,496,443	6,206,745
More than 10 stockholders ....farms	2,041	133	227	288
10 or less stockholders ....farms	83,796	5,684	9,109	16,747
Other than family held ....farms	10,237	-	-	-
acres	11,055,610	-	-	-
More than 10 stockholders ....farms	907	-	-	-
10 or less stockholders ....farms	9,330	-	-	-
Other-cooperative, estate or trust, institutional, etc ....farms	28,136	-	-	-
acres	61,208,981	-	-	-
HIRED FARM LABOR				
Hired farm labor ....farms	482,186	35,319	71,645	110,412
workers	2,636,509	93,239	200,705	307,203
Workers by days worked:				
150 days or more ....farms	201,292	8,141	15,438	23,758
workers	911,439	14,298	27,468	44,569
Less than 150 days ....farms	384,051	30,640	62,835	97,025
workers	1,725,070	78,941	173,237	262,634

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
PRINCIPAL OPERATOR CHARACTERISTICS - Con.					
Years on present farm - Con.					
10 years or more	184,811	87,588	77,498	90,126	64,535
Average years on present farm	21.3	27.8	27.9	26.6	20.5
Age group:					
Under 25 years	2,423	1,012	469	279	643
25 to 34 years	18,818	7,752	5,323	4,979	4,973
35 to 44 years	37,929	13,293	12,304	15,962	11,885
45 to 49 years	33,994	13,254	12,668	16,132	11,447
50 to 54 years	39,747	16,195	15,159	18,712	13,884
55 to 59 years	37,762	15,325	13,335	16,044	13,148
60 to 64 years	29,851	12,389	10,492	11,729	10,754
65 to 69 years	19,794	8,403	7,484	7,957	8,132
70 years and over	38,581	12,503	9,317	9,471	16,311
Average age	54.4	54.0	53.9	53.5	56.2
Spanish, Hispanic, or Latino origin (see text)	7,513	1,232	975	1,325	3,707
Race:					
American Indian or Alaska Native	5,083	501	339	339	1,364
Asian	1,658	508	481	1,090	1,005
Black or African American	3,777	196	122	209	1,341
Native Hawaiian or Other Pacific Islander	195	20	26	18	89
White	246,580	98,629	85,369	99,376	86,878
More than one race reported	1,606	272	214	233	500
Farms by number of persons living in operator's household:					
1 person	29,715	10,866	7,574	7,125	13,627
2 people	124,357	46,518	39,778	44,671	42,121
3 people	41,799	15,402	13,677	16,308	13,626
4 people	35,995	13,969	13,390	17,376	12,855
5 or more people	27,033	13,371	12,132	15,785	8,948
Percent of operator's total household income from farming:					
Less than 25 percent	153,849	16,638	13,046	11,819	54,326
25 to 49 percent	30,698	11,012	8,698	7,849	8,332
50 to 74 percent	36,167	22,895	18,545	19,586	10,772
75 to 99 percent	23,780	26,108	24,485	31,332	9,937
100 percent	14,405	23,473	21,777	30,679	7,810
Operator is a hired manager ... farms	-	-	-	-	59,759
acres	-	-	-	-	120,672,499
Farms with-					
Internet access	147,620	62,459	62,654	80,140	54,204
High-speed internet access	83,081	34,899	39,204	55,262	37,640
Farms by number of households sharing in net income of farm:					
1 household	202,180	75,350	59,811	59,477	61,331
2 households	44,243	18,904	19,061	25,764	17,877
3 households	7,048	3,586	4,893	9,764	6,446
4 households	3,475	1,380	1,631	3,619	2,976
5 households or more	1,953	906	1,155	2,641	2,547
FARMS BY TYPE OF ORGANIZATION					
Family or individual ... farms	231,427	85,158	66,806	63,178	29,534
acres	71,994,898	79,654,275	84,293,577	109,388,634	19,445,147
Partnership ... farms	19,057	9,217	11,537	21,540	8,542
acres	10,255,449	14,588,129	21,988,089	64,210,534	18,983,555
Registered under state law ... farms	9,339	5,207	7,296	15,897	6,321
acres	6,183,649	9,630,570	14,335,560	49,107,701	16,342,945
Corporation ... farms	8,415	5,751	8,208	16,547	24,965
acres	4,940,098	9,838,940	16,742,472	37,624,844	43,794,094
Family held ... farms	8,415	5,751	8,208	16,547	14,728
acres	4,940,098	9,838,940	16,742,472	37,624,844	32,738,484
More than 10 stockholders ... farms	146	66	113	326	742
10 or less stockholders ... farms	8,269	5,685	8,095	16,221	13,986
Other than family held ... farms	-	-	-	-	10,237
acres	-	-	-	-	11,055,610
More than 10 stockholders ... farms	-	-	-	-	907
10 or less stockholders ... farms	-	-	-	-	9,330
Other-cooperative, estate or trust, institutional, etc ... farms	-	-	-	-	28,136
acres	-	-	-	-	61,208,981
HIRED FARM LABOR					
Hired farm labor ... farms	57,448	44,742	49,897	74,357	38,366
workers	181,016	162,666	222,698	898,893	570,089
Workers by days worked:					
150 days or more ... farms	17,736	20,917	29,441	57,227	28,634
workers	34,584	42,893	72,927	401,706	272,994
Less than 150 days ... farms	47,730	33,750	35,871	50,948	25,252
workers	146,432	119,773	149,771	497,187	297,095

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
HIRED FARM LABOR - Con.				
Migrant farm labor on farms with hired labor (see text) ....farms	38,784	2,125	4,861	5,866
Migrant farm labor on farms reporting only contract labor (see text) ....farms	8,488	798	1,783	2,752
FARMS BY SIZE				
1 to 9 acres	232,849	46,082	39,748	106,855
10 to 49 acres	620,283	104,855	131,999	285,574
50 to 69 acres	153,862	25,705	37,298	64,656
70 to 99 acres	192,043	31,464	48,323	77,781
100 to 139 acres	175,146	27,596	45,165	66,612
140 to 179 acres	139,479	20,432	35,806	50,204
180 to 219 acres	87,502	11,526	21,831	29,666
220 to 259 acres	68,313	8,207	16,346	21,760
260 to 499 acres	212,553	20,223	45,543	57,869
500 to 999 acres	149,713	8,171	21,907	25,752
1,000 to 1,999 acres	92,656	2,866	8,006	9,544
2,000 acres or more	80,393	1,710	4,121	5,571
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)				
Oilseed and grain farming (1111)	338,237	23,287	43,618	82,301
Vegetable and melon farming (1112)	40,589	7,854	7,330	11,245
Fruit and tree nut farming (1113)	98,281	10,705	24,019	33,212
Greenhouse, nursery, and floriculture production (1114)	54,889	7,558	9,947	17,431
Other crop farming (1119)	519,893	80,598	138,910	209,913
Tobacco farming (11191)	9,626	1,359	1,390	2,514
Cotton farming (11192)	9,968	452	722	1,125
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	78,787	136,798	206,274
Beef cattle ranching and farming (112111)	656,475	102,217	156,798	260,914
Cattle feedlots (112112)	31,065	3,266	5,449	11,154
Dairy cattle and milk production (11212)	57,318	3,490	2,724	4,821
Hog and pig farming (1122)	30,546	3,378	2,246	10,134
Poultry and egg production (1123)	64,570	8,183	7,030	19,797
Sheep and goat farming (1124)	67,254	15,047	12,311	30,703
Animal aquaculture and other animal production (1125, 1129)	245,675	43,254	45,711	110,219
FARM TYPOLOGY (SEE TEXT)				
Small family farms:				
Limited resource farms ....farms	308,837	308,837	-	-
acres	42,419,764	42,419,764	-	-
Retirement farms ....farms	456,093	-	456,093	-
acres	89,580,775	-	89,580,775	-
Residential/lifestyle farms ....farms	801,844	-	-	801,844
acres	121,143,585	-	-	121,143,585
Farming occupation/lower sales ....farms	258,899	-	-	-
acres	87,190,445	-	-	-
Farming occupation/higher sales ....farms	100,126	-	-	-
acres	104,081,344	-	-	-
Large family farms ....farms	86,551	-	-	-
acres	123,024,138	-	-	-
Very large family farms ....farms	101,265	-	-	-
acres	211,224,012	-	-	-
Non-family farms ....farms	91,177	-	-	-
acres	143,431,777	-	-	-
LIVESTOCK				
Cattle and calves inventory ....farms	963,669	133,065	190,703	338,976
number	96,347,858	3,949,011	8,049,417	11,269,208
Farms with-				
1 to 9	233,078	43,639	44,746	113,186
10 to 49	415,493	68,800	99,036	165,215
50 to 99	135,117	13,522	28,342	37,619
100 to 199	91,193	5,387	13,205	16,341
200 to 499	59,234	1,548	4,829	5,834
500 or more	29,554	169	545	781
Cows and heifers that had calved ....farms	818,992	112,353	167,029	281,495
number	42,101,375	2,289,269	4,719,151	6,317,250
Beef cows ....farms	764,984	109,122	165,003	277,480
number	32,834,801	2,226,437	4,642,416	6,231,713
Farms with-				
1 to 9	246,863	44,702	51,797	115,114
10 to 49	360,845	54,757	88,547	133,061
50 to 99	84,253	7,029	17,085	20,544
100 to 199	43,575	2,226	5,907	6,703
200 to 499	23,635	399	1,573	1,948
500 or more	5,813	9	94	110

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
HIRED FARM LABOR - Con.					
Migrant farm labor on farms with hired labor (see text) ....farms	4,056	3,785	4,455	9,104	4,532
Migrant farm labor on farms reporting only contract labor (see text) ....farms	1,254	531	389	316	665
FARMS BY SIZE					
1 to 9 acres	26,627	1,700	1,622	2,103	8,112
10 to 49 acres	63,641	4,056	3,631	7,220	19,307
50 to 69 acres	15,724	1,958	1,271	2,302	4,948
70 to 99 acres	20,667	2,995	1,767	2,774	6,272
100 to 139 acres	21,079	3,413	2,145	2,888	6,248
140 to 179 acres	19,354	3,885	1,875	2,372	5,551
180 to 219 acres	13,073	3,940	1,776	2,114	3,576
220 to 259 acres	10,772	4,561	1,842	2,024	2,801
260 to 499 acres	32,552	26,936	10,733	8,494	10,203
500 to 999 acres	19,145	24,580	27,500	13,679	8,979
1,000 to 1,999 acres	9,496	11,525	19,732	24,606	6,881
2,000 acres or more	6,769	10,577	12,657	30,689	8,299
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)					
Oilseed and grain farming (1111)	45,866	46,832	43,988	36,985	15,360
Vegetable and melon farming (1112)	6,456	1,339	1,129	3,007	2,229
Fruit and tree nut farming (1113)	11,034	3,527	3,319	4,056	8,409
Greenhouse, nursery, and floriculture production (1114)	6,606	2,569	2,084	3,277	5,417
Other crop farming (1119)	46,405	7,374	5,674	6,912	24,107
Tobacco farming (11191)	2,124	896	593	464	286
Cotton farming (11192)	1,031	1,644	1,791	2,482	721
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	43,250	4,834	3,290	3,966	23,100
Beef cattle ranching and farming (112111)	86,274	16,484	9,965	7,558	16,265
Cattle feedlots (112112)	3,361	1,481	1,493	3,527	1,334
Dairy cattle and milk production (11212)	5,912	16,208	11,238	10,065	2,860
Hog and pig farming (1122)	2,522	1,234	2,126	7,068	1,838
Poultry and egg production (1123)	4,548	1,030	4,240	17,163	2,579
Sheep and goat farming (1124)	7,347	305	145	116	1,280
Animal aquaculture and other animal production (1125, 1129)	32,568	1,743	1,150	1,531	9,499
FARM TYPOLOGY (SEE TEXT)					
Small family farms:					
Limited resource farms ....farms	-	-	-	-	-
acres	-	-	-	-	-
Retirement farms ....farms	-	-	-	-	-
acres	-	-	-	-	-
Residential/lifestyle farms ....farms	-	-	-	-	-
acres	-	-	-	-	-
Farming occupation/lower sales ....farms	258,899	-	-	-	-
acres	87,190,445	-	-	-	-
Farming occupation/higher sales ....farms	-	100,126	-	-	-
acres	-	104,081,344	-	-	-
Large family farms ....farms	-	-	86,551	-	-
acres	-	-	123,024,138	-	-
Very large family farms ....farms	-	-	-	101,265	-
acres	-	-	-	211,224,012	-
Non-family farms ....farms	-	-	-	-	91,177
acres	-	-	-	-	143,431,777
LIVESTOCK					
Cattle and calves inventory ....farms	127,462	55,865	43,065	46,517	28,016
number	7,993,480	9,121,174	10,563,156	29,881,975	15,520,437
Farms with-					
1 to 9	23,383	1,402	1,160	1,392	4,170
10 to 49	53,580	8,283	5,405	6,290	8,884
50 to 99	25,708	15,826	5,553	4,786	3,761
100 to 199	17,408	15,592	13,359	6,266	3,635
200 to 499	6,751	12,095	12,065	12,341	3,771
500 or more	632	2,667	5,523	15,442	3,795
Cows and heifers that had calved ....farms	110,378	49,884	36,841	37,365	23,647
number	4,478,085	4,800,448	4,931,955	10,592,310	3,972,907
Beef cows ....farms	104,290	34,739	26,142	27,192	21,016
number	4,312,921	3,924,937	3,852,964	4,989,690	2,653,723
Farms with-					
1 to 9	24,803	2,499	1,877	1,788	4,283
10 to 49	49,771	10,393	7,544	8,370	8,402
50 to 99	18,656	7,261	5,343	5,339	2,996
100 to 199	9,198	7,590	4,800	4,884	2,267
200 to 499	1,771	6,602	4,993	4,329	2,020
500 or more	91	394	1,585	2,482	1,048

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
LIVESTOCK - Con.				
Cattle and calves inventory - Con.				
Cows and heifers that had calved - Con.				
Milk cows ....farms	69,890	5,228	3,731	7,242
number	9,266,574	62,832	76,735	85,537
Farms with-				
1 to 9	14,426	3,216	1,866	5,063
10 to 49	19,912	1,868	1,306	1,697
50 to 99	18,986	141	525	460
100 to 199	8,975	3	32	22
200 to 499	4,307	-	2	-
500 or more	3,284	-	-	-
Other cattle (see text) ....farms	788,633	99,662	153,765	269,084
number	54,246,483	1,659,742	3,330,266	4,951,958
Cattle and calves sold ....farms	798,290	98,920	162,393	264,239
number	74,071,936	1,700,630	4,186,019	5,586,632
$1,000	61,209,970	960,290	2,503,773	3,386,251
Calves weighing less than 500 pounds ....farms	414,324	53,817	90,278	134,365
number	13,695,252	663,194	1,427,811	1,910,988
Cattle, including calves weighing 500 pounds or more ....farms	681,126	78,208	137,545	220,507
number	60,376,684	1,037,436	2,758,208	3,675,644
Cattle on feed (see text) ....farms	76,396	6,462	10,453	21,420
number	27,595,928	64,615	139,624	273,772
Hogs and pigs inventory ....farms	75,442	9,687	6,515	25,185
number	67,786,318	230,865	258,790	920,919
Farms with-				
1 to 24	45,047	7,976	5,154	21,232
25 to 49	4,292	701	512	1,455
50 to 99	3,182	487	331	871
100 to 199	2,590	270	222	483
200 to 499	4,524	206	189	709
500 or more	15,807	47	107	435
Used or to be used for breeding ....farms	32,867	4,901	3,175	10,616
number	6,290,610	52,014	39,329	115,249
Other hogs and pigs ....farms	66,441	7,859	5,467	21,389
number	61,495,708	178,851	219,461	805,670
Hogs and pigs sold ....farms	74,789	8,668	6,211	25,454
number	206,807,181	352,426	528,177	2,046,938
$1,000	18,056,981	31,536	45,677	173,254
Sheep and lambs inventory ....farms	83,134	17,088	13,365	32,087
number	5,819,162	484,414	473,984	903,552
Ewes 1 year old or older ....farms	68,222	13,315	11,204	26,189
number	3,516,409	303,274	299,037	569,114
Sheep and lambs sold ....farms	53,268	9,006	8,532	21,256
number	4,579,608	246,905	304,347	585,913
Horses and ponies inventory ....farms	575,942	86,410	99,197	249,581
number	4,028,827	574,153	633,888	1,493,112
Owned ....farms	501,528	74,789	84,255	221,977
number	3,224,964	458,231	504,275	1,237,522
Horses and ponies sold ....farms	133,472	20,117	21,432	58,073
number	506,503	65,898	77,459	171,308
Owned ....farms	106,050	15,676	16,854	46,978
number	400,845	49,537	60,967	136,144
Goats, all inventory ....farms	144,466	27,676	24,122	65,619
number	3,140,529	476,661	535,077	1,084,988
Goats sold ....farms	61,748	11,124	10,884	28,193
number	1,387,576	189,724	242,096	469,058
POULTRY				
Layers inventory (see text) ....farms	145,615	26,614	23,092	63,058
number	349,772,508	771,156	1,369,197	2,908,677
Farms with-				
1 to 399	140,844	26,504	22,949	62,742
400 to 3,199	785	107	99	169
3,200 to 9,999	626	2	30	99
10,000 to 19,999	1,373	1	10	42
20,000 to 49,999	1,292	-	1	6
50,000 to 99,999	261	-	-	-
100,000 or more	434	-	3	-
Pullets for laying flock replacement inventory ....farms	22,514	4,394	3,443	8,589
number	105,876,529	616,812	994,831	1,705,363
Layers sold ....farms	24,971	3,977	3,106	9,833
number	194,955,057	346,676	851,716	1,782,763
Pullets for laying flock replacement sold (see text) ....farms	4,169	523	377	1,068
number	161,354,686	192,781	1,474,428	2,405,929

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
LIVESTOCK - Con.					
Cattle and calves inventory - Con.					
Cows and heifers that had calved - Con.					
Milk cows ..... farms	8,343	17,754	12,555	11,636	3,401
number	165,164	875,511	1,078,991	5,602,620	1,319,184
Farms with-					
1 to 9	2,861	601	264	158	397
10 to 49	5,063	8,443	777	227	531
50 to 99	400	8,330	7,472	869	789
100 to 199	19	365	3,937	3,935	662
200 to 499	-	14	104	3,739	448
500 or more	-	1	1	2,708	574
Other cattle (see text) ..... farms	106,581	52,328	40,418	43,326	23,469
number	3,515,395	4,320,726	5,631,201	19,289,665	11,547,530
Cattle and calves sold ..... farms	107,854	54,308	41,946	44,534	24,096
number	3,755,399	4,987,189	6,463,421	26,972,737	20,419,909
$1,000	2,196,287	3,333,961	4,766,195	23,579,644	20,483,568
Calves weighing less than 500 pounds ..... farms	55,655	26,566	19,486	21,505	12,652
number	1,243,104	1,185,989	1,305,490	4,305,772	1,652,904
Cattle, including calves weighing 500 pounds or more ..... farms	92,986	50,560	39,213	41,165	20,942
number	2,512,295	3,801,200	5,157,931	22,666,965	18,767,005
Cattle on feed (see text) ..... farms	8,642	8,147	7,919	10,232	3,121
number	141,957	378,639	765,015	10,482,673	15,349,633
Hogs and pigs inventory ..... farms	9,382	4,380	5,197	11,538	3,558
number	440,279	1,360,796	3,950,705	42,928,191	17,695,773
Farms with-					
1 to 24	6,847	1,229	731	706	1,172
25 to 49	822	341	168	142	151
50 to 99	657	362	227	133	114
100 to 199	523	497	324	177	94
200 to 499	432	1,008	1,065	705	210
500 or more	101	943	2,682	9,675	1,817
Used or to be used for breeding ..... farms	4,769	2,418	2,164	3,040	1,784
number	71,688	163,162	330,690	3,026,204	2,492,274
Other hogs and pigs ..... farms	8,002	4,110	5,026	11,342	3,246
number	368,591	1,197,634	3,620,015	39,901,987	15,203,499
Hogs and pigs sold ..... farms	8,781	4,639	5,551	11,976	3,509
number	725,374	2,995,451	10,077,390	129,469,274	60,612,151
$1,000	58,525	243,474	864,214	12,046,328	4,593,971
Sheep and lambs inventory ..... farms	11,712	2,911	1,863	1,610	2,498
number	636,287	685,527	630,576	1,429,981	574,841
Ewes 1 year old or older ..... farms	9,739	2,680	1,710	1,395	1,990
number	427,707	465,224	416,951	715,738	319,364
Sheep and lambs sold ..... farms	7,635	2,514	1,566	1,256	1,503
number	395,478	498,422	503,165	1,505,487	539,891
Horses and ponies inventory ..... farms	79,771	17,632	12,504	14,123	16,724
number	693,316	145,284	107,937	140,873	240,264
Owned ..... farms	69,946	14,427	10,256	11,897	13,981
number	523,093	117,146	89,442	116,308	178,947
Horses and ponies sold ..... farms	22,296	3,343	1,981	2,179	4,051
number	92,187	24,551	18,235	26,051	30,814
Owned ..... farms	17,309	2,723	1,606	1,792	3,112
number	69,154	21,501	15,244	23,118	25,180
Goats, all inventory ..... farms	18,565	2,164	1,456	1,554	3,310
number	504,310	189,113	141,172	83,863	125,345
Goats sold ..... farms	7,895	1,042	659	678	1,273
number	210,251	88,490	79,117	59,388	49,452
POULTRY					
Layers inventory (see text) ..... farms	19,870	4,134	2,860	2,594	3,393
number	1,267,893	4,885,224	19,449,093	173,536,748	145,584,520
Farms with-					
1 to 399	19,639	3,680	1,607	812	2,911
400 to 3,199	190	100	27	33	60
3,200 to 9,999	19	204	196	31	45
10,000 to 19,999	13	119	807	292	89
20,000 to 49,999	9	21	214	942	99
50,000 to 99,999	-	4	3	215	39
100,000 or more	-	6	6	269	150
Pullets for laying flock replacement inventory ..... farms	3,255	681	697	806	649
number	1,149,891	3,178,422	13,765,125	56,937,376	27,528,709
Layers sold ..... farms	3,169	956	1,467	1,677	786
number	875,955	4,180,672	18,557,584	91,170,630	77,189,061
Pullets for laying flock replacement sold (see text) ..... farms	470	244	576	729	182
number	417,173	5,298,388	24,900,117	97,199,381	29,466,489

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
POULTRY - Con.				
Broilers and other meat-type chickens sold ....farms	27,091	1,690	1,294	4,764
number	8,914,828,122	884,754	17,166,319	18,875,871
Farms with-				
1 to 1,999	9,743	1,642	1,044	4,480
2,000 to 59,999	618	48	74	101
60,000 to 99,999	623	-	144	147
100,000 or more	16,107	-	32	36
Turkeys inventory (see text) ....farms	17,226	2,971	2,118	6,488
number	107,173,804	45,724	57,733	353,361
Turkeys sold (see text) ....farms	8,284	1,047	639	2,502
number	295,793,159	39,338	127,777	443,071
CROPS HARVESTED				
Barley for grain ....farms	19,848	1,014	1,265	1,939
acres	3,521,957	47,168	72,210	115,282
bushels	207,089,232	2,075,021	3,710,862	5,732,585
Irrigated ....farms	4,241	207	257	486
acres	741,475	11,399	12,059	24,296
Farms by acres harvested:				
1 to 24 acres	5,742	605	656	1,058
25 to 99 acres	5,405	298	415	538
100 to 249 acres	4,469	78	144	248
250 to 499 acres	2,552	23	40	80
500 acres or more	1,680	10	10	15
Corn for grain ....farms	347,760	20,907	35,919	70,454
acres	86,248,542	852,294	2,348,834	4,816,376
bushels	12,738,519,330	90,962,910	299,958,821	644,178,748
Irrigated ....farms	38,911	895	1,559	3,203
acres	13,156,769	48,185	128,933	271,325
Farms by acres harvested:				
1 to 24 acres	68,008	10,338	12,681	25,239
25 to 99 acres	101,672	8,516	15,645	28,872
100 to 249 acres	78,166	1,866	6,338	13,442
250 to 499 acres	50,807	176	1,146	2,718
500 acres or more	49,107	11	109	183
Corn for silage or greenchop ....farms	84,317	4,609	4,840	8,641
acres	5,979,661	98,891	129,817	206,805
tons	104,224,795	1,216,632	1,765,356	2,894,456
Irrigated ....farms	9,664	217	333	646
acres	1,497,288	6,523	12,577	26,585
Farms by acres harvested:				
1 to 24 acres	34,207	3,348	3,113	6,214
25 to 99 acres	34,878	1,168	1,544	2,131
100 to 249 acres	10,855	82	171	261
250 to 499 acres	2,859	9	11	30
500 acres or more	1,518	2	1	5
Cotton, all ....farms	18,605	602	1,076	1,586
acres	10,493,238	51,959	133,327	185,284
bales	18,898,128	57,506	182,529	260,685
Irrigated ....farms	8,776	108	289	403
acres	4,035,610	5,873	24,744	38,530
Farms by acres harvested:				
1 to 24 acres	961	155	196	293
25 to 99 acres	3,043	264	463	671
100 to 249 acres	3,886	149	273	437
250 to 499 acres	3,738	25	101	143
500 acres or more	6,977	9	43	42
Dry edible beans, excluding limas ....farms	6,236	209	257	362
acres	1,455,549	6,102	13,135	19,356
cwt	25,353,900	85,714	211,176	286,704
Irrigated ....farms	2,456	117	107	148
acres	353,503	2,722	3,104	4,226
Farms by acres harvested:				
1 to 24 acres	818	128	122	176
25 to 99 acres	1,709	64	96	139
100 to 249 acres	1,856	17	31	37
250 to 499 acres	1,066	-	8	6
500 acres or more	787	-	-	4
Oats for grain ....farms	42,558	4,476	4,742	7,215
acres	1,509,149	81,889	104,863	137,912
bushels	89,508,669	4,067,150	5,496,549	7,023,579
Irrigated ....farms	1,620	134	152	258
acres	78,214	2,871	2,443	5,293
Farms by acres harvested:				
1 to 24 acres	27,044	3,576	3,659	5,740
25 to 99 acres	12,167	818	931	1,303
100 to 249 acres	2,643	77	117	147
250 to 499 acres	552	5	31	22
500 acres or more	152	-	4	3
Peanuts for nuts ....farms	6,182	334	523	624
acres	1,200,564	13,267	30,430	34,745
pounds	3,703,138,887	23,006,406	79,451,697	92,836,084
Irrigated ....farms	2,381	70	108	163
acres	418,789	1,871	5,045	8,643

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
POULTRY - Con.					
Broilers and other meat-type chickens sold ..... farms	1,719	806	2,399	13,161	1,258
number	2,005,259	30,469,953	344,030,210	7,576,392,462	925,003,294
Farms with-					
1 to 1,999	1,573	402	227	108	267
2,000 to 59,999	146	128	29	37	55
60,000 to 99,999	-	209	81	22	20
100,000 or more	-	67	2,062	12,994	916
Turkeys inventory (see text) ..... farms	2,272	351	348	2,022	656
number	495,150	373,640	2,880,774	79,956,173	23,011,249
Turkeys sold (see text) ..... farms	934	220	304	2,160	478
number	106,382	712,555	6,464,914	230,339,745	57,559,377
CROPS HARVESTED					
Barley for grain ..... farms	2,407	4,195	3,976	4,082	970
acres	158,864	556,336	834,538	1,461,628	275,931
bushels	6,875,879	26,560,040	46,353,627	98,716,750	17,064,468
Irrigated ..... farms	466	741	686	1,001	397
acres	28,081	88,146	127,586	354,879	95,029
Farms by acres harvested:					
1 to 24 acres	1,090	1,093	619	386	235
25 to 99 acres	796	1,272	973	837	276
100 to 249 acres	415	1,243	1,128	1,014	199
250 to 499 acres	85	435	883	883	123
500 acres or more	21	152	373	962	137
Corn for grain ..... farms	43,399	55,539	52,223	53,536	15,783
acres	2,858,924	9,703,879	18,033,755	41,737,526	5,896,954
bushels	340,078,779	1,310,600,501	2,611,281,785	6,541,782,606	899,675,180
Irrigated ..... farms	2,488	6,008	8,218	13,373	3,167
acres	169,974	889,673	2,209,758	8,109,556	1,329,365
Farms by acres harvested:					
1 to 24 acres	11,499	3,986	1,340	984	1,941
25 to 99 acres	22,485	12,517	6,129	3,653	3,855
100 to 249 acres	8,643	26,091	11,375	7,060	3,351
250 to 499 acres	698	11,649	22,056	9,612	2,752
500 acres or more	74	1,296	11,323	32,227	3,884
Corn for silage or greenchop ..... farms	10,218	19,009	15,846	16,900	4,254
acres	265,810	743,132	1,015,244	2,927,799	592,163
tons	3,565,516	10,648,197	15,901,627	56,354,539	11,878,472
Irrigated ..... farms	683	1,161	1,408	4,150	1,066
acres	29,057	76,053	123,084	966,222	257,187
Farms by acres harvested:					
1 to 24 acres	6,862	8,318	3,564	1,786	1,002
25 to 99 acres	2,994	9,418	9,432	6,447	1,744
100 to 249 acres	330	1,126	2,476	5,491	918
250 to 499 acres	27	133	308	2,014	327
500 acres or more	5	14	66	1,162	263
Cotton, all ..... farms	1,524	2,886	3,433	6,057	1,441
acres	188,233	955,446	1,899,870	6,087,246	991,873
bales	240,472	1,355,173	3,054,673	11,714,660	2,032,430
Irrigated ..... farms	464	1,108	1,665	3,892	847
acres	37,725	212,617	540,046	2,668,534	507,541
Farms by acres harvested:					
1 to 24 acres	156	24	25	37	75
25 to 99 acres	683	349	207	227	179
100 to 249 acres	520	985	621	630	271
250 to 499 acres	135	960	982	1,067	325
500 acres or more	30	568	1,598	4,096	591
Dry edible beans, excluding limas ..... farms	498	921	1,304	2,261	424
acres	27,028	101,816	247,285	950,922	89,905
cwt	400,277	1,655,333	4,073,298	16,906,694	1,734,704
Irrigated ..... farms	203	380	416	805	280
acres	6,854	30,926	53,622	202,784	49,265
Farms by acres harvested:					
1 to 24 acres	164	71	45	30	82
25 to 99 acres	266	452	324	272	96
100 to 249 acres	59	332	611	644	125
250 to 499 acres	5	59	269	641	78
500 acres or more	4	7	55	674	43
Oats for grain ..... farms	7,889	8,091	5,183	3,571	1,391
acres	196,652	325,235	289,390	301,687	71,521
bushels	10,383,388	19,138,778	18,228,319	20,298,379	4,872,527
Irrigated ..... farms	243	242	177	280	134
acres	5,312	11,602	11,077	30,962	8,654
Farms by acres harvested:					
1 to 24 acres	5,699	4,353	2,137	1,151	729
25 to 99 acres	1,867	2,998	2,267	1,501	482
100 to 249 acres	298	621	609	639	135
250 to 499 acres	20	104	135	204	31
500 acres or more	5	15	35	76	14
Peanuts for nuts ..... farms	631	1,119	1,087	1,521	343
acres	32,932	143,736	224,595	628,519	92,340
pounds	74,520,942	393,195,184	671,066,317	2,066,697,588	302,364,669
Irrigated ..... farms	136	428	476	831	169
acres	6,038	37,745	70,404	256,627	32,416

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
CROPS HARVESTED - Con.				
Peanuts for nuts - Con.				
Farms by acres harvested:				
1 to 24 acres	915	168	200	220
25 to 99 acres	1,909	139	218	290
100 to 249 acres	1,886	22	98	111
250 to 499 acres	920	5	7	2
500 acres or more	552	-	-	1
Rice ....farms	6,084	121	222	387
acres	2,758,792	7,829	24,063	41,840
cwt	198,538,690	454,277	1,553,919	2,865,173
Irrigated ....farms	6,084	121	222	387
acres	2,758,792	7,829	24,063	41,840
Farms by acres harvested:				
1 to 24 acres	132	29	21	34
25 to 99 acres	915	68	114	195
100 to 249 acres	1,459	23	61	127
250 to 499 acres	1,616	1	25	27
500 acres or more	1,962	-	1	4
Sorghum for grain ....farms	26,242	1,134	1,888	3,641
acres	6,769,834	81,097	178,098	325,835
bushels	482,452,865	3,971,696	11,049,467	20,919,471
Irrigated ....farms	4,483	93	176	306
acres	845,214	6,663	16,070	23,005
Farms by acres harvested:				
1 to 24 acres	2,609	316	399	782
25 to 99 acres	8,335	602	916	1,829
100 to 249 acres	7,302	166	417	782
250 to 499 acres	4,377	39	121	199
500 acres or more	3,619	11	35	49
Soybeans for beans ....farms	279,110	14,622	30,433	55,498
acres	63,915,821	816,296	2,317,726	4,072,912
bushels	2,582,423,697	24,542,723	85,218,505	154,755,058
Irrigated ....farms	20,333	426	782	1,434
acres	5,237,075	24,763	56,094	103,299
Farms by acres harvested:				
1 to 24 acres	38,458	5,090	7,527	14,643
25 to 99 acres	90,935	7,370	15,501	27,296
100 to 249 acres	70,698	1,831	6,114	11,457
250 to 499 acres	44,381	288	1,102	1,903
500 acres or more	34,638	43	189	199
Sugarbeets for sugar ....farms	4,022	35	74	166
acres	1,253,817	1,031	3,560	9,338
tons	31,937,325	20,900	81,844	219,977
Irrigated ....farms	1,595	20	34	59
acres	394,675	473	1,636	3,184
Sugarcane for sugar ....farms	692	24	27	39
acres	846,666	396	2,045	3,156
tons	31,127,405	10,276	64,826	98,171
Irrigated ....farms	219	12	12	14
acres	435,205	48	644	1,380
Sunflower seed, all ....farms	6,403	138	232	422
acres	2,000,153	9,815	21,416	41,864
pounds	2,820,962,445	8,256,876	24,449,317	53,954,391
Irrigated ....farms	608	17	18	23
acres	102,219	103	2,924	922
Farms by acres harvested:				
1 to 24 acres	502	50	82	134
25 to 99 acres	1,153	53	63	134
100 to 249 acres	2,110	25	66	116
250 to 499 acres	1,494	10	21	29
500 acres or more	1,144	-	-	9
Tobacco ....farms	16,234	1,876	2,065	3,537
acres	359,846	9,034	19,118	22,211
pounds	778,301,825	16,475,552	33,725,551	44,041,728
Irrigated ....farms	2,572	126	255	364
acres	71,578	1,121	3,024	2,831
Farms by acres harvested:				
0.1 to 0.9 acres	235	63	47	83
1.0 to 1.9 acres	1,493	357	294	581
2.0 to 2.9 acres	1,827	406	289	592
3.0 to 4.9 acres	2,772	461	461	842
5.0 to 9.9 acres	3,459	361	454	843
10.0 to 24.9 acres	3,129	197	376	467
25.0 acres or more	3,319	31	144	129
Wheat for grain, all ....farms	160,810	8,069	15,597	25,401
acres	50,932,969	673,158	1,654,129	2,602,993
bushels	1,993,648,378	17,805,671	53,623,198	84,452,288
Irrigated ....farms	15,213	376	726	1,159
acres	3,364,079	22,146	57,371	82,846
Farms by acres harvested:				
1 to 24 acres	26,703	2,939	4,699	7,676
25 to 99 acres	49,409	3,251	6,333	10,466
100 to 249 acres	34,703	1,268	2,914	4,686
250 to 499 acres	21,167	435	1,111	1,732
500 acres or more	28,828	176	540	841

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
CROPS HARVESTED - Con.					
Peanuts for nuts - Con.					
Farms by acres harvested:					
1 to 24 acres	210	40	18	29	30
25 to 99 acres	323	469	215	166	89
100 to 249 acres	90	508	515	435	107
250 to 499 acres	7	89	283	458	69
500 acres or more	1	13	56	433	48
Rice ... farms	320	728	1,325	2,318	663
acres	29,195	147,397	448,525	1,738,328	321,615
cwt	1,649,544	9,945,177	31,460,889	127,321,784	23,287,927
Irrigated ... farms	320	728	1,325	2,318	663
acres	29,195	147,397	448,525	1,738,328	321,615
Farms by acres harvested:					
1 to 24 acres	25	-	1	7	15
25 to 99 acres	195	114	77	80	72
100 to 249 acres	79	424	310	241	194
250 to 499 acres	21	154	712	508	168
500 acres or more	-	36	225	1,482	214
Sorghum for grain ... farms	3,248	4,699	4,607	5,458	1,567
acres	327,937	944,170	1,439,729	2,914,836	558,132
bushels	17,895,748	61,784,887	103,005,182	223,055,227	40,771,187
Irrigated ... farms	339	664	915	1,577	413
acres	27,977	93,728	153,114	440,775	83,882
Farms by acres harvested:					
1 to 24 acres	455	246	144	141	126
25 to 99 acres	1,680	1,388	817	711	392
100 to 249 acres	879	1,783	1,499	1,371	405
250 to 499 acres	183	950	1,307	1,261	317
500 acres or more	51	332	840	1,974	327
Soybeans for beans ... farms	34,117	44,237	43,856	43,920	12,427
acres	2,772,846	8,272,984	14,105,135	27,554,699	4,003,223
bushels	93,372,666	314,866,638	570,093,334	1,171,717,463	167,857,310
Irrigated ... farms	1,214	3,223	4,548	7,090	1,616
acres	86,360	390,968	912,933	3,081,292	581,366
Farms by acres harvested:					
1 to 24 acres	6,042	2,023	1,105	748	1,280
25 to 99 acres	18,713	9,882	5,280	3,595	3,298
100 to 249 acres	8,038	21,772	11,617	6,885	2,984
250 to 499 acres	1,163	8,852	18,361	10,406	2,306
500 acres or more	161	1,708	7,493	22,286	2,559
Sugarbeets for sugar ... farms	122	426	815	2,078	306
acres	5,216	37,606	133,328	954,712	109,026
tons	120,974	902,038	3,249,169	24,420,878	2,921,545
Irrigated ... farms	55	192	325	752	158
acres	2,557	15,348	50,164	278,614	42,699
Sugarcane for sugar ... farms	51	23	99	306	123
acres	2,824	4,921	36,146	453,094	344,084
tons	92,012	146,862	1,233,674	15,966,843	13,514,741
Irrigated ... farms	13	9	30	89	40
acres	986	1,296	8,003	172,589	250,259
Sunflower seed, all ... farms	385	1,151	1,628	2,230	217
acres	40,824	196,784	453,146	1,180,120	56,184
pounds	46,529,815	252,772,148	627,220,224	1,735,021,180	72,758,494
Irrigated ... farms	17	73	114	277	69
acres	1,188	6,676	16,861	61,139	12,406
Farms by acres harvested:					
1 to 24 acres	48	67	45	47	29
25 to 99 acres	165	321	202	168	47
100 to 249 acres	150	525	639	522	67
250 to 499 acres	22	192	524	646	50
500 acres or more	-	46	218	847	24
Tobacco ... farms	3,351	2,267	1,218	1,397	523
acres	31,801	49,244	60,462	147,513	20,463
pounds	59,757,285	102,212,550	133,090,670	341,024,418	47,974,071
Irrigated ... farms	490	456	336	424	121
acres	4,673	11,096	13,778	31,087	3,969
Farms by acres harvested:					
0.1 to 0.9 acres	25	5	4	3	5
1.0 to 1.9 acres	177	33	12	11	28
2.0 to 2.9 acres	344	96	22	20	58
3.0 to 4.9 acres	636	244	46	34	48
5.0 to 9.9 acres	927	578	119	76	101
10.0 to 24.9 acres	1,034	586	201	158	110
25.0 acres or more	208	725	814	1,095	173
Wheat for grain, all ... farms	20,958	26,518	26,542	29,748	7,977
acres	2,857,843	7,489,272	11,083,525	21,111,416	3,460,633
bushels	78,143,540	239,898,142	411,304,489	947,532,023	160,889,027
Irrigated ... farms	1,189	2,098	2,795	5,401	1,469
acres	82,182	244,457	468,389	1,945,087	461,601
Farms by acres harvested:					
1 to 24 acres	4,632	2,627	1,951	1,304	875
25 to 99 acres	7,979	7,696	6,181	5,317	2,186
100 to 249 acres	4,885	6,724	6,294	6,154	1,778
250 to 499 acres	2,404	4,553	4,635	5,105	1,192
500 acres or more	1,058	4,918	7,481	11,868	1,946

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
CROPS HARVESTED - Con.				
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ....farms	869,534	112,036	182,064	295,927
acres	61,455,483	4,440,266	8,309,642	11,613,251
tons, dry	155,393,762	7,960,494	16,488,173	22,807,204
Irrigated ....farms	86,007	8,872	14,321	23,132
acres	10,264,753	328,285	614,468	895,443
Farms by acres harvested:				
1 to 24 acres	367,533	57,920	83,549	158,243
25 to 99 acres	345,273	44,341	78,448	112,006
100 to 249 acres	111,368	8,349	16,997	21,731
250 to 499 acres	30,370	1,227	2,543	3,186
500 acres or more	14,990	199	527	761
Alfalfa hay ....farms	290,726	29,882	40,965	80,217
acres	20,244,497	1,016,154	1,514,239	2,434,792
tons, dry	65,349,074	2,176,745	3,721,517	6,002,281
Irrigated ....farms	56,390	5,480	8,638	14,518
acres	6,556,652	190,596	371,457	551,960
Other tame hay ....farms	496,740	66,409	118,684	179,692
acres	26,763,972	2,447,008	5,179,482	6,867,890
tons, dry	54,347,673	4,212,219	10,003,185	12,945,618
Irrigated ....farms	24,348	2,547	4,646	6,887
acres	1,699,864	74,165	147,557	212,140
Field and grass seed crops, all ....farms	6,038	402	730	1,287
acres	1,178,726	15,380	42,128	62,531
Irrigated ....farms	1,457	59	87	140
acres	323,441	1,454	3,112	4,432
Land in vegetables (see text) ....farms	69,172	11,576	11,403	17,502
acres	4,356,880	39,380	68,317	89,473
Irrigated ....farms	29,885	4,813	3,953	5,978
acres	3,068,485	13,318	18,260	23,397
Farms by acres harvested:				
0.1 to 4.9 acres	41,453	9,411	8,443	13,614
5.0 to 24.9 acres	13,869	1,966	2,376	3,140
25.0 to 99.9 acres	6,671	190	523	664
100.0 to 249.9 acres	3,473	8	57	82
250.0 acres or more	3,706	1	4	2
Snap beans ....farms	17,300	3,132	3,115	4,439
acres	303,997	2,510	5,718	7,002
Harvested for processing ....farms	1,999	175	231	343
acres	198,101	907	3,055	4,119
Peas, green ....farms	4,532	514	507	798
acres	214,057	937	3,010	6,438
Harvested for processing ....farms	2,047	34	82	197
acres	206,092	556	2,517	5,876
Potatoes ....farms	15,014	2,549	2,460	3,330
acres	1,131,963	2,513	3,700	4,344
Harvested for processing ....farms	1,739	115	118	190
acres	599,604	306	713	1,187
Farms by acres harvested:				
0.1 to 4.9 acres	12,013	2,484	2,351	3,212
5.0 to 24.9 acres	612	58	80	83
25.0 to 99.9 acres	539	6	27	30
100.0 to 249.9 acres	714	1	2	4
250.0 acres or more	1,136	-	-	1
Sweet corn ....farms	28,241	5,194	4,824	7,189
acres	622,946	11,280	20,932	28,773
Harvested for processing ....farms	3,670	245	411	683
acres	361,886	1,349	7,533	13,411
Sweet potatoes ....farms	1,910	273	344	409
acres	105,284	839	934	1,499
Harvested for processing ....farms	259	11	27	34
acres	21,360	133	141	403
Tomatoes in the open ....farms	25,809	4,443	5,017	6,996
acres	442,225	2,406	4,083	4,538
Harvested for processing ....farms	1,761	211	259	406
acres	319,549	115	578	656
Land in orchards ....farms	115,935	12,908	28,060	38,357
acres	5,039,476	89,405	328,217	396,044
Irrigated ....farms	61,189	5,640	13,545	18,498
acres	3,981,316	41,395	150,705	208,099
Farms by bearing and nonbearing acres:				
0.1 to 4.9 acres	52,775	8,282	14,524	21,499
5.0 to 24.9 acres	37,043	3,850	10,110	12,833
25.0 to 99.9 acres	17,119	728	3,066	3,689
100.0 to 249.9 acres	5,434	45	316	287
250.0 acres or more	3,564	3	44	49
Apples ....farms	25,591	3,288	5,719	8,602
bearing and nonbearing acres	398,770	8,345	20,239	26,781
Grapes ....farms	25,892	2,585	5,549	8,462
bearing and nonbearing acres	1,051,407	14,109	47,498	69,477
Peaches, all ....farms	13,582	1,693	3,085	4,220
bearing and nonbearing acres	149,237	3,253	8,140	9,329

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
CROPS HARVESTED - Con.					
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	113,758	54,413	41,549	44,278	25,509
acres	7,922,255	7,631,428	7,089,566	10,412,438	4,036,637
tons, dry	15,993,824	18,742,638	19,915,778	40,181,177	13,304,475
Irrigated ..... farms	11,709	6,926	6,049	9,626	5,372
acres	825,296	1,206,424	1,357,243	3,463,600	1,573,994
Farms by acres harvested:					
1 to 24 acres	38,858	8,688	6,318	6,760	7,197
25 to 99 acres	50,095	22,482	14,615	14,028	9,258
100 to 249 acres	19,534	14,818	12,590	12,112	5,237
250 to 499 acres	4,326	5,733	5,021	6,213	2,121
500 acres or more	945	2,692	3,005	5,165	1,696
Alfalfa hay ..... farms	43,704	36,035	26,335	23,030	10,558
acres	2,418,795	3,452,226	3,149,055	4,643,662	1,615,574
tons, dry	5,723,474	9,549,723	10,114,869	21,095,349	6,965,116
Irrigated ..... farms	7,855	5,471	4,535	6,358	3,535
acres	518,179	774,729	880,778	2,289,499	979,454
Other tame hay ..... farms	63,150	19,848	15,852	20,227	12,878
acres	3,864,547	2,213,954	2,035,083	2,819,295	1,336,713
tons, dry	7,328,273	4,712,361	4,621,964	7,397,814	3,126,239
Irrigated ..... farms	3,249	1,531	1,396	2,484	1,608
acres	163,081	185,244	214,172	448,372	255,133
Field and grass seed crops, all ..... farms	807	749	676	965	422
acres	57,503	111,764	164,311	539,557	185,552
Irrigated ..... farms	126	172	195	478	200
acres	6,511	19,617	33,403	202,125	52,787
Land in vegetables (see text) ..... farms	11,150	3,868	3,325	6,538	3,810
acres	90,310	139,984	267,852	2,593,901	1,067,664
Irrigated ..... farms	5,125	1,825	1,598	4,135	2,458
acres	31,612	51,579	121,744	1,894,495	914,079
Farms by acres harvested:					
0.1 to 4.9 acres	6,943	887	432	339	1,384
5.0 to 24.9 acres	3,370	1,228	588	443	758
25.0 to 99.9 acres	766	1,420	1,328	1,300	480
100.0 to 249.9 acres	61	304	790	1,773	398
250.0 acres or more	10	29	187	2,683	790
Snap beans ..... farms	3,204	807	715	1,043	845
acres	5,946	12,786	31,004	181,090	57,942
Harvested for processing ..... farms	154	147	251	528	170
acres	3,660	9,960	23,846	112,460	40,095
Peas, green ..... farms	615	393	539	868	298
acres	7,491	14,038	27,326	123,604	31,215
Harvested for processing ..... farms	122	266	412	757	177
acres	7,094	13,471	25,999	120,202	30,377
Potatoes ..... farms	2,707	786	638	1,553	991
acres	4,890	16,401	47,503	773,251	279,362
Harvested for processing ..... farms	109	83	159	742	223
acres	716	4,874	17,784	412,691	161,334
Farms by acres harvested:					
0.1 to 4.9 acres	2,536	513	220	138	559
5.0 to 24.9 acres	135	74	61	55	66
25.0 to 99.9 acres	34	145	143	98	56
100.0 to 249.9 acres	1	53	180	381	92
250.0 acres or more	1	1	34	881	218
Sweet corn ..... farms	4,797	1,744	1,390	1,804	1,299
acres	25,117	44,124	70,297	305,079	117,345
Harvested for processing ..... farms	319	413	520	816	263
acres	6,904	25,940	48,421	179,109	79,220
Sweet potatoes ..... farms	291	126	120	234	113
acres	2,340	4,231	9,272	67,470	18,701
Harvested for processing ..... farms	23	22	39	81	22
acres	215	1,083	2,867	13,973	2,546
Tomatoes in the open ..... farms	4,850	1,216	767	1,187	1,333
acres	4,730	4,561	7,919	262,298	151,690
Harvested for processing ..... farms	175	42	58	411	199
acres	224	1,184	3,323	197,478	115,992
Land in orchards ..... farms	13,701	4,405	3,857	5,340	9,307
acres	218,325	225,074	373,675	1,860,430	1,548,305
Irrigated ..... farms	6,883	2,689	2,826	4,370	6,738
acres	102,120	136,907	275,539	1,682,874	1,383,677
Farms by bearing and nonbearing acres:					
0.1 to 4.9 acres	5,615	448	221	250	1,936
5.0 to 24.9 acres	5,592	1,053	434	448	2,723
25.0 to 99.9 acres	2,254	2,357	1,736	960	2,329
100.0 to 249.9 acres	210	495	1,285	1,631	1,165
250.0 acres or more	30	52	181	2,051	1,154
Apples ..... farms	3,303	1,165	878	1,062	1,574
bearing and nonbearing acres	19,866	26,114	37,012	170,043	90,368
Grapes ..... farms	3,204	1,132	995	1,439	2,526
bearing and nonbearing acres	38,865	51,933	78,999	438,166	312,361
Peaches, all ..... farms	1,805	716	501	768	794
bearing and nonbearing acres	7,028	9,207	12,348	72,993	26,939

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Small family farms		
		Limited resource farms	Retirement farms	Residential/ lifestyle farms
CROPS HARVESTED - Con.				
Land in orchards - Con.				
Citrus fruit, all ....farms	15,658	1,453	3,567	4,866
bearing and nonbearing acres	1,005,806	8,957	39,292	54,417
Almonds ....farms	6,700	341	1,075	1,583
bearing and nonbearing acres	790,245	5,106	21,578	31,839
Pecans ....farms	21,856	2,540	6,975	7,846
bearing and nonbearing acres	581,809	25,100	118,751	116,387
Walnuts, English ....farms	7,161	685	1,729	2,196
bearing and nonbearing acres	267,751	5,098	20,068	22,870
Land in berries (see text) ....farms	25,017	3,431	4,851	7,674
acres	261,733	6,839	15,885	21,947

See footnote(s) at end of table.

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Table 64. **Summary by Farm Typology: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Small family farms (con.)		Large family farms	Very large family farms	Nonfamily farms
	Farming occupation/ lower sales	Farming occupation/ higher sales			
CROPS HARVESTED - Con.					
Land in orchards - Con.					
Citrus fruit, all ..... farms	1,639	492	670	828	2,143
bearing and nonbearing acres	20,384	21,582	58,948	325,885	476,342
Almonds ..... farms	686	470	528	1,232	785
bearing and nonbearing acres	16,336	26,187	54,053	404,107	231,038
Pecans ..... farms	2,342	567	330	496	760
bearing and nonbearing acres	64,595	36,652	44,694	92,378	83,252
Walnuts, English ..... farms	751	306	322	569	603
bearing and nonbearing acres	13,293	16,384	27,247	93,489	69,303
Land in berries (see text) ..... farms	4,203	1,340	891	1,193	1,434
acres	14,753	14,347	19,974	106,153	61,837

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
FARMS AND LAND IN FARMS						
Farms ..... number	2,204,792	1,522,033	542,192	140,567	1,273,122	931,670
percent	100.0	69.0	24.6	6.4	57.7	42.3
Land in farms ..... acres	922,095,840	343,952,327	496,344,290	81,799,223	482,714,727	439,381,113
Average size of farm ..... acres	418	226	915	582	379	472
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS						
Total ..... farms	2,204,792	1,522,033	542,192	140,567	1,273,122	931,670
$1,000	305,204,413	119,157,474	152,609,169	33,437,770	138,306,576	166,897,836
Average per farm ..... dollars	138,428	78,288	281,467	237,878	108,636	179,138
Farms by economic class:						
Less than $1,000 (see text)	499,880	437,323	43,369	19,188	275,963	223,917
$1,000 to $2,499	270,712	234,950	26,355	9,407	159,883	110,829
$2,500 to $4,999	246,309	203,414	32,622	10,273	147,840	98,469
$5,000 to $9,999	254,834	195,268	46,321	13,245	154,146	100,688
$10,000 to $24,999	274,274	186,971	69,552	17,751	164,799	109,475
$25,000 to $49,999	163,500	94,698	54,308	14,494	98,953	64,547
$50,000 to $99,999	129,124	60,643	53,950	14,531	77,988	51,136
$100,000 to $249,999	149,049	50,014	80,757	18,278	87,189	61,860
$250,000 to $499,999	96,251	23,162	62,394	10,695	52,586	43,665
$500,000 to $999,999	63,567	16,125	40,816	6,626	31,213	32,354
$1,000,000 or more	57,292	19,465	31,748	6,079	22,562	34,730
$1,000,000 to $2,499,999	41,863	13,156	24,489	4,218	17,093	24,770
$2,500,000 to $4,999,999	9,845	3,651	5,047	1,147	3,420	6,425
$5,000,000 or more	5,584	2,658	2,212	714	2,049	3,535
Total sales ..... farms	2,204,792	1,522,033	542,192	140,567	1,273,122	931,670
$1,000	297,220,491	116,634,026	148,089,172	32,497,293	134,063,057	163,157,434
Grains, oilseeds, dry beans, and dry peas ..... farms	479,467	178,432	243,876	57,159	294,619	184,848
$1,000	77,215,262	10,572,082	55,650,949	10,992,231	38,569,345	38,645,918
Sales of $50,000 or more ..... farms	235,343	43,783	158,505	33,055	138,449	96,894
$1,000	73,535,966	8,839,064	54,159,439	10,537,464	36,187,253	37,348,714
Corn ..... farms	347,540	118,926	187,465	41,149	211,762	135,778
$1,000	39,909,600	5,300,237	29,050,316	5,559,047	19,879,539	20,030,061
Sales of $50,000 or more ..... farms	151,428	23,520	107,145	20,763	87,644	63,784
$1,000	36,859,125	4,080,553	27,610,521	5,168,051	17,932,962	18,926,163
Wheat ..... farms	159,527	43,701	97,690	18,136	94,279	65,248
$1,000	10,623,640	1,697,500	7,526,117	1,400,023	5,147,122	5,476,518
Sales of $50,000 or more ..... farms	47,250	7,312	33,979	5,959	25,025	22,225
$1,000	8,944,760	1,286,743	6,454,498	1,203,518	4,136,613	4,808,147
Soybeans ..... farms	285,089	89,849	160,031	35,209	178,331	106,758
$1,000	20,283,986	2,691,370	14,982,810	2,609,807	10,641,823	9,642,163
Sales of $50,000 or more ..... farms	109,269	12,728	82,882	13,659	62,873	46,396
$1,000	17,191,360	1,638,882	13,365,277	2,187,200	8,629,492	8,561,868
Sorghum ..... farms	27,142	6,506	16,513	4,123	16,289	10,853
$1,000	1,651,798	223,837	1,109,801	318,160	849,329	802,470
Sales of $50,000 or more ..... farms	8,972	1,153	6,195	1,624	4,884	4,088
$1,000	1,348,798	156,467	920,283	272,047	660,351	688,447
Barley ..... farms	18,326	4,709	11,631	1,986	9,915	8,411
$1,000	701,047	114,320	490,631	96,096	341,514	359,533
Sales of $50,000 or more ..... farms	3,973	551	2,913	509	2,040	1,933
$1,000	526,415	77,191	374,916	74,308	244,379	282,036
Rice ..... farms	6,085	1,265	2,653	2,167	3,066	3,019
$1,000	2,020,231	275,342	993,884	751,005	736,027	1,284,204
Sales of $50,000 or more ..... farms	5,184	847	2,391	1,946	2,460	2,724
$1,000	1,995,322	265,345	986,031	743,946	719,293	1,276,029
Other grains, oilseeds, dry beans, and dry peas ..... farms	55,228	17,977	32,261	4,990	31,328	23,900
$1,000	2,024,959	269,476	1,497,391	258,092	973,992	1,050,968
Sales of $50,000 or more ..... farms	10,062	1,198	7,578	1,286	5,315	4,747
$1,000	1,698,514	192,154	1,287,770	218,589	783,438	915,076
Tobacco ..... farms	16,228	6,762	7,733	1,733	10,068	6,160
$1,000	1,268,114	219,719	935,017	113,379	692,121	575,994
Sales of $50,000 or more ..... farms	4,495	846	3,246	403	2,686	1,809
$1,000	1,076,035	135,187	851,200	89,647	570,662	505,373
Cotton and cottonseed ..... farms	18,591	4,450	10,234	3,907	11,363	7,228
$1,000	4,898,608	752,485	2,896,291	1,249,832	2,218,130	2,680,478
Sales of $50,000 or more ..... farms	13,232	2,165	8,010	3,057	7,521	5,711
$1,000	4,784,510	712,430	2,842,526	1,229,555	2,137,096	2,647,415
Vegetables, melons, potatoes, and sweet potatoes ..... farms	69,100	42,346	19,918	6,836	34,406	34,694
$1,000	14,683,058	2,752,958	8,196,456	3,733,645	5,059,596	9,623,463
Sales of $50,000 or more ..... farms	13,824	3,774	7,818	2,232	6,321	7,503
$1,000	14,167,307	2,454,658	8,037,317	3,675,332	4,793,592	9,373,715
Fruits, tree nuts, and berries ..... farms	112,690	92,511	15,033	5,146	59,817	52,873
$1,000	18,625,459	10,685,877	5,936,552	2,003,030	8,284,203	10,341,256
Sales of $50,000 or more ..... farms	28,824	20,423	6,373	2,028	14,926	13,898
$1,000	17,681,378	9,885,576	5,834,346	1,961,456	7,756,322	9,925,056
Nursery, greenhouse, floriculture, and sod (see text) ..... farms	50,784	38,334	7,571	4,879	24,614	26,170
$1,000	16,632,734	8,973,465	5,032,192	2,627,077	5,178,489	11,454,245
Sales of $50,000 or more ..... farms	17,039	11,220	3,579	2,240	6,932	10,107
$1,000	16,227,627	8,658,829	4,977,140	2,591,658	4,972,124	11,255,503
Cut Christmas trees and short-rotation woody crops ..... farms	13,374	11,083	1,812	479	6,955	6,419
$1,000	384,594	143,579	204,508	36,507	137,892	246,702
Sales of $50,000 or more ..... farms	1,088	575	446	67	441	647
$1,000	306,465	83,026	190,577	32,862	99,557	206,908

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD AND GOVERNMENT PAYMENTS - Con.						
Total - Con.						
Total sales - Con.						
Other crops and hay (see text) ....farms	434,502	275,000	137,375	22,127	253,945	180,557
$1,000	9,950,098	2,811,518	5,788,086	1,350,494	4,626,542	5,323,556
Sales of $50,000 or more ....farms	27,831	7,348	16,891	3,592	14,287	13,544
$1,000	7,529,077	1,554,133	4,781,229	1,193,715	3,221,678	4,307,399
Cattle and calves ....farms	798,290	438,709	308,532	51,049	445,648	352,642
$1,000	61,209,970	29,265,060	27,142,784	4,802,126	29,624,931	31,585,038
Sales of $50,000 or more ....farms	119,983	36,470	74,448	9,065	60,390	59,593
$1,000	53,786,091	25,731,423	23,745,057	4,309,611	25,421,030	28,365,061
Milk and other dairy products from cows ....farms	69,763	27,128	37,052	5,583	31,202	38,561
$1,000	31,848,029	12,253,355	16,826,820	2,767,854	10,960,590	20,887,440
Sales of $50,000 or more ....farms	50,792	15,162	31,236	4,394	21,154	29,638
$1,000	31,558,210	12,087,968	16,722,124	2,748,119	10,800,472	20,757,738
Hogs and pigs ....farms	74,789	41,873	27,960	4,956	35,612	39,177
$1,000	18,056,981	9,032,718	7,745,126	1,279,137	8,643,566	9,413,415
Sales of $50,000 or more ....farms	19,956	7,149	11,275	1,532	10,314	9,642
$1,000	17,829,977	8,929,743	7,640,980	1,259,254	8,519,493	9,310,484
Sheep, goats, and their products ....farms	121,171	88,272	26,567	6,332	54,076	67,095
$1,000	704,855	351,756	293,491	59,608	344,080	360,775
Sales of $50,000 or more ....farms	1,825	728	930	167	837	988
$1,000	415,640	181,046	194,931	39,663	209,520	206,120
Horses, ponies, mules, burros, and donkeys ....farms	114,317	84,527	23,721	6,069	49,552	64,765
$1,000	2,061,862	1,270,292	561,795	229,776	858,879	1,202,983
Sales of $50,000 or more ....farms	3,638	2,672	729	237	1,408	2,230
$1,000	1,559,047	895,025	460,779	203,243	648,822	910,225
Poultry and eggs ....farms	148,911	110,774	32,757	5,380	62,658	86,253
$1,000	37,065,947	26,109,303	10,094,825	861,819	17,719,715	19,346,233
Sales of $50,000 or more ....farms	26,267	18,109	7,625	533	12,467	13,800
$1,000	36,932,463	26,013,137	10,064,308	855,017	17,661,297	19,271,166
Aquaculture (see text) ....farms	6,409	4,026	1,143	1,240	3,509	2,900
$1,000	1,415,271	694,650	444,784	275,837	670,294	744,977
Sales of $50,000 or more ....farms	2,449	1,396	527	526	1,325	1,124
$1,000	1,376,454	672,994	438,070	265,391	647,216	729,239
Other animals and other animal products (see text) ....farms	43,226	33,375	7,857	1,994	19,311	23,915
$1,000	1,199,649	745,210	339,496	114,942	474,685	724,964
Sales of $50,000 or more ....farms	2,294	1,718	412	164	1,014	1,280
$1,000	1,066,659	641,358	317,312	107,989	414,471	652,189
Value of-						
Government payments ....farms	838,391	474,908	301,601	61,882	518,465	319,926
$1,000	7,983,922	2,523,448	4,519,996	940,477	4,243,520	3,740,402
Landlord's share of total sales (see text) ....farms	97,706	20	75,592	22,094	56,453	41,253
$1,000	6,429,386	941	4,956,512	1,471,934	3,183,888	3,245,498
Agricultural products sold directly to individuals for human consumption (see text) ....farms	136,817	94,343	34,397	8,077	61,440	75,377
$1,000	1,211,270	562,040	518,450	130,780	434,287	776,983
FARM PRODUCTION EXPENSES						
Total farm production expenses ....farms	2,204,792	1,522,033	542,192	140,567	1,273,122	931,670
$1,000	241,113,666	99,698,040	115,407,730	26,007,896	107,740,496	133,373,171
Average per farm .... dollars	109,359	65,503	212,854	185,021	84,627	143,155
Fertilizer, lime, and soil conditioners purchased ....farms	1,148,218	648,515	410,964	88,739	651,030	497,188
$1,000	18,107,194	3,718,315	11,932,500	2,456,379	8,719,162	9,388,032
Farms with expenses of-						
$1 to $4,999	734,931	527,214	166,858	40,859	413,925	321,006
$5,000 to $24,999	249,546	96,021	126,354	27,171	149,642	99,904
$25,000 to $49,999	74,633	13,759	51,740	9,134	44,141	30,492
$50,000 or more	89,108	11,521	66,012	11,575	43,322	45,786
Chemicals purchased ....farms	918,604	495,194	345,706	77,704	503,202	415,402
$1,000	10,074,914	2,069,217	6,367,873	1,637,823	4,527,426	5,547,488
Farms with expenses of-						
$1 to $4,999	666,084	437,724	184,174	44,186	363,968	302,116
$5,000 to $24,999	162,785	44,125	97,885	20,775	95,803	66,982
$25,000 to $49,999	46,594	6,928	33,639	6,027	25,249	21,345
$50,000 or more	43,141	6,417	30,008	6,716	18,182	24,959
Seeds, plants, vines, and trees ....farms	775,893	384,404	319,652	71,837	432,822	343,071
$1,000	11,740,521	2,567,154	7,276,195	1,897,172	5,219,896	6,520,625
Farms with expenses of-						
$1 to $999	302,164	219,339	68,254	14,571	161,897	140,267
$1,000 to $4,999	192,154	100,466	72,352	19,336	113,567	78,587
$5,000 to $24,999	173,462	49,177	100,916	23,369	102,937	70,525
$25,000 to $49,999	56,320	7,981	41,233	7,106	31,994	24,326
$50,000 or more	51,793	7,441	36,897	7,455	22,427	29,366

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Livestock and poultry purchased or leased (see text) ..... farms	490,819	276,537	182,929	31,353	233,854	256,965
$1,000	38,003,682	21,029,921	14,212,863	2,760,898	18,498,751	19,504,931
Farms with expenses of-						
$1 to $4,999	306,414	195,466	93,499	17,449	143,346	163,068
$5,000 to $24,999	97,441	44,219	45,265	7,957	47,504	49,937
$25,000 to $99,999	42,768	17,619	21,954	3,195	21,548	21,220
$100,000 to $249,999	24,183	11,397	11,439	1,347	11,890	12,293
$250,000 or more	20,013	7,836	10,772	1,405	9,566	10,447
Breeding livestock purchased or leased (see text) ..... farms	278,572	139,187	120,142	19,243	132,905	145,667
$1,000	3,599,873	1,541,081	1,737,906	320,886	1,552,615	2,047,258
Other livestock and poultry purchased or leased (see text) ..... farms	279,155	169,683	92,845	16,627	128,417	150,738
$1,000	34,403,809	19,488,840	12,474,957	2,440,012	16,946,136	17,457,674
Feed purchased ..... farms	1,135,968	746,680	326,033	63,255	583,011	552,957
$1,000	49,095,106	28,576,449	17,416,502	3,102,155	21,830,563	27,264,543
Farms with expenses of-						
$1 to $4,999	766,606	552,867	175,621	38,118	405,669	360,937
$5,000 to $24,999	245,328	139,895	89,380	16,053	120,756	124,572
$25,000 to $99,999	66,394	25,741	34,888	5,765	31,039	35,355
$100,000 to $249,999	23,472	9,584	12,311	1,577	10,363	13,109
$250,000 or more	34,168	18,593	13,833	1,742	15,184	18,984
Gasoline, fuels, and oils ..... farms	2,148,806	1,471,178	539,527	138,101	1,237,770	911,036
$1,000	12,912,179	4,559,888	6,842,702	1,509,589	6,068,998	6,843,181
Farms with expenses of-						
$1 to $4,999	1,704,545	1,314,537	297,701	92,307	999,907	704,638
$5,000 to $24,999	336,324	129,883	173,353	33,088	189,617	146,707
$25,000 to $49,999	64,765	15,944	42,094	6,727	31,764	33,001
$50,000 or more	43,172	10,814	26,379	5,979	16,482	26,690
Utilities (see text) ..... farms	1,102,530	648,270	381,547	72,713	576,792	525,738
$1,000	5,917,615	2,577,799	2,684,144	655,672	2,533,535	3,384,080
Farms with expenses of-						
$1 to $999	506,560	362,248	118,777	25,535	274,928	231,632
$1,000 to $4,999	402,839	211,015	162,749	29,075	215,537	187,302
$5,000 to $24,999	157,818	60,697	83,476	13,645	72,410	85,408
$25,000 to $49,999	19,269	7,794	9,298	2,177	7,906	11,363
$50,000 or more	16,044	6,516	7,247	2,281	6,011	10,033
Supplies, repairs, and maintenance ..... farms	1,992,234	1,348,103	516,692	127,439	1,143,537	848,697
$1,000	15,896,723	6,258,958	8,004,349	1,633,417	7,252,209	8,644,514
Farms with expenses of-						
$1 to $4,999	1,478,317	1,131,620	264,337	82,360	870,067	608,250
$5,000 to $24,999	389,971	182,156	175,158	32,657	218,272	171,699
$25,000 to $49,999	73,014	20,190	46,225	6,599	35,548	37,466
$50,000 or more	50,932	14,137	30,972	5,823	19,650	31,282
Hired farm labor ..... farms	482,186	238,007	203,577	40,602	242,648	239,538
$1,000	21,877,661	9,062,841	9,775,520	3,039,301	7,778,842	14,098,820
Farms with expenses of-						
$1 to $4,999	262,262	148,643	95,077	18,542	142,931	119,331
$5,000 to $24,999	108,122	46,384	52,275	9,463	54,560	53,562
$25,000 to $99,999	75,938	28,453	39,607	7,878	32,446	43,492
$100,000 to $249,999	21,237	8,234	10,343	2,660	7,799	13,438
$250,000 or more	14,627	6,293	6,275	2,059	4,912	9,715
Contract labor ..... farms	182,701	107,548	61,573	13,580	92,108	90,593
$1,000	4,514,166	2,049,534	1,777,760	686,872	1,902,076	2,612,090
Farms with expenses of-						
$1 to $999	49,657	33,734	12,976	2,947	25,291	24,366
$1,000 to $4,999	66,104	38,834	22,935	4,335	34,242	31,862
$5,000 to $24,999	45,949	24,354	17,634	3,961	22,828	23,121
$25,000 to $49,999	9,730	4,983	3,844	903	4,750	4,980
$50,000 or more	11,261	5,643	4,184	1,434	4,997	6,264
Customwork and custom hauling ..... farms	362,475	172,826	157,741	31,908	197,335	165,140
$1,000	4,091,038	1,402,068	2,096,865	592,105	1,797,447	2,293,591
Farms with expenses of-						
$1 to $999	119,768	76,600	35,675	7,493	66,463	53,305
$1,000 to $4,999	131,318	61,933	58,059	11,326	74,339	56,979
$5,000 to $24,999	83,762	26,651	48,283	8,828	44,770	38,992
$25,000 to $49,999	14,558	3,720	8,794	2,044	6,710	7,848
$50,000 or more	13,069	3,922	6,930	2,217	5,053	8,016
Cash rent for land, buildings, and grazing fees ..... farms	490,372	32,368	367,940	90,064	276,138	214,234
$1,000	13,274,530	319,532	9,897,992	3,057,006	6,040,823	7,233,707
Farms with expenses of-						
$1 to $4,999	238,363	22,431	176,552	39,380	137,633	100,730
$5,000 to $9,999	59,281	3,811	44,108	11,362	34,178	25,103
$10,000 to $24,999	76,679	3,502	57,394	15,783	44,265	32,414
$25,000 or more	116,049	2,624	89,886	23,539	60,062	55,987

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
FARM PRODUCTION EXPENSES - Con.						
Total farm production expenses - Con.						
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms	109,199	36,554	56,814	15,831	52,443	56,756
$1,000	1,385,219	266,665	756,441	362,113	526,558	858,662
Farms with expenses of-						
$1 to $999	39,280	19,104	16,577	3,599	19,137	20,143
$1,000 to $4,999	31,997	9,910	17,313	4,774	16,187	15,810
$5,000 to $24,999	26,656	5,696	16,203	4,757	12,754	13,902
$25,000 to $49,999	5,778	900	3,677	1,201	2,498	3,280
$50,000 or more	5,488	944	3,044	1,500	1,867	3,621
Interest expense ..... farms	667,454	349,338	273,883	44,233	342,791	324,663
$1,000	10,880,731	4,423,002	5,856,982	600,746	4,789,909	6,090,821
Farms with expenses of-						
$1 to $4,999	289,876	173,596	92,647	23,633	156,420	133,456
$5,000 to $24,999	275,988	141,479	119,250	15,259	140,060	135,928
$25,000 to $99,999	87,574	29,550	53,510	4,514	41,317	46,257
$100,000 or more	14,016	4,713	8,476	827	4,994	9,022
Secured by real estate ..... farms	519,095	297,916	221,179	-	261,223	257,872
$1,000	7,185,334	3,436,317	3,749,016	-	3,166,749	4,018,585
Farms with expenses of-						
$1 to $999	58,501	39,728	18,773	-	32,000	26,501
$1,000 to $4,999	171,356	108,043	63,313	-	89,736	81,620
$5,000 to $24,999	225,304	123,682	101,622	-	110,993	114,311
$25,000 to $49,999	39,515	16,526	22,989	-	18,626	20,889
$50,000 or more	24,419	9,937	14,482	-	9,868	14,551
Not secured by real estate ..... farms	413,327	183,939	185,155	44,233	217,706	195,621
$1,000	3,695,397	986,685	2,107,966	600,746	1,623,161	2,072,236
Farms with expenses of-						
$1 to $999	122,808	78,455	35,931	8,422	65,526	57,282
$1,000 to $4,999	153,159	71,350	66,598	15,211	82,385	70,774
$5,000 to $24,999	106,610	28,616	62,735	15,259	56,889	49,721
$25,000 to $49,999	18,841	3,194	12,582	3,065	8,696	10,145
$50,000 or more	11,909	2,324	7,309	2,276	4,210	7,699
Property taxes paid ..... farms	1,995,808	1,427,849	533,628	34,331	1,136,433	859,375
$1,000	6,223,048	3,715,866	2,388,302	118,879	3,175,259	3,047,788
Farms with expenses of-						
$1 to $4,999	1,717,819	1,275,184	413,265	29,370	993,363	724,456
$5,000 to $9,999	172,489	100,344	69,469	2,676	92,866	79,623
$10,000 to $24,999	80,800	40,030	39,209	1,561	39,624	41,176
$25,000 or more	24,700	12,291	11,685	724	10,580	14,120
All other production expenses (see text) ..... farms	1,115,703	623,110	409,654	82,939	579,546	536,157
$1,000	17,119,339	7,100,830	8,120,741	1,897,768	7,079,042	10,040,297
Farms with expenses of-						
$1 to $4,999	765,840	492,886	224,332	48,622	406,296	359,544
$5,000 to $24,999	234,512	89,429	122,108	22,975	122,622	111,890
$25,000 to $49,999	55,174	17,180	32,474	5,520	26,040	29,134
$50,000 to $99,999	32,742	11,999	17,661	3,082	14,071	18,671
$100,000 or more	27,435	11,616	13,079	2,740	10,517	16,918
Production expenses paid by landlords [1] ..... farms	67,427	573	52,822	14,032	38,113	29,314
$1,000	1,556,963	7,692	1,208,535	340,736	773,758	783,205
Depreciation expenses claimed (see text) ..... farms	963,340	543,022	354,114	66,204	524,928	438,412
$1,000	20,185,540	7,556,453	10,916,676	1,712,411	9,184,387	11,001,154
NET CASH FARM INCOME (SEE TEXT)						
Net cash farm income of operations (see text) ..... farms	2,204,792	1,522,033	542,192	140,567	1,273,122	931,670
$1,000	74,581,098	24,378,894	41,796,946	8,405,259	35,787,151	38,793,947
Average per farm ..... dollars	33,827	16,017	77,089	59,795	28,110	41,639
Farms with net gains [2] ..... number	1,037,041	618,200	332,389	86,452	635,174	401,867
Average net gain ..... dollars	89,479	57,493	142,808	113,164	69,537	120,998
Gain of-						
Less than $1,000	102,871	84,167	13,247	5,457	67,657	35,214
$1,000 to $4,999	221,477	172,171	35,990	13,316	144,812	76,665
$5,000 to $9,999	128,828	92,080	27,553	9,195	83,046	45,782
$10,000 to $24,999	170,636	108,263	47,680	14,693	108,117	62,519
$25,000 to $49,999	119,233	62,295	44,804	12,134	73,362	45,871
$50,000 or more	293,996	99,224	163,115	31,657	158,180	135,816
Farms with net losses ..... number	1,167,751	903,833	209,803	54,115	637,948	529,803
Average net loss ..... dollars	15,596	12,351	27,030	25,464	13,137	18,557
Loss of-						
Less than $1,000	134,307	112,249	15,565	6,493	86,187	48,120
$1,000 to $4,999	426,570	349,912	58,441	18,217	250,266	176,304
$5,000 to $9,999	247,156	193,317	43,459	10,380	129,960	117,196
$10,000 to $24,999	225,863	166,206	49,470	10,187	109,321	116,542
$25,000 to $49,999	76,927	51,512	21,338	4,077	35,688	41,239
$50,000 or more	56,928	30,637	21,530	4,761	26,526	30,402

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
NET CASH FARM INCOME (SEE TEXT) - Con.						
Net cash farm income of operators (see text) ..... farms	2,204,792	1,522,033	542,192	140,567	1,273,122	931,670
$1,000	64,197,836	21,205,694	35,952,386	7,039,756	30,825,973	33,371,863
Average per farm ..... dollars	29,117	13,932	66,309	50,081	24,213	35,819
Operators reporting net gains [2] ..... farms	1,025,783	616,217	325,552	84,014	628,971	396,812
Average net gain ..... dollars	81,061	52,818	129,209	101,642	62,954	109,761
Gain of-						
Less than $1,000	103,330	84,292	13,485	5,553	67,909	35,421
$1,000 to $4,999	222,713	172,506	36,471	13,736	145,663	77,050
$5,000 to $9,999	129,906	92,544	28,083	9,279	83,664	46,242
$10,000 to $24,999	173,780	109,990	48,802	14,988	109,830	63,950
$25,000 to $49,999	122,964	64,658	46,208	12,098	75,343	47,621
$50,000 or more	273,090	92,227	152,503	28,360	146,562	126,528
Operators reporting net losses ..... farms	1,179,009	905,816	216,640	56,553	644,151	534,858
Average net loss ..... dollars	16,075	12,521	28,212	26,516	13,615	19,038
Loss of-						
Less than $1,000	135,011	112,357	15,852	6,802	86,608	48,403
$1,000 to $4,999	428,133	350,206	59,332	18,595	251,224	176,909
$5,000 to $9,999	248,731	193,516	44,388	10,827	130,782	117,949
$10,000 to $24,999	228,206	166,690	50,891	10,625	110,646	117,560
$25,000 to $49,999	78,919	51,940	22,550	4,429	36,806	42,113
$50,000 or more	60,009	31,107	23,627	5,275	28,085	31,924
COMMODITY CREDIT CORPORATION LOANS (SEE TEXT)						
Total ..... farms	50,572	10,838	32,608	7,126	29,348	21,224
$1,000	4,445,758	493,949	3,199,727	752,083	2,010,782	2,434,976
INCOME FROM FARM-RELATED SOURCES						
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	693,187	392,624	252,890	47,673	392,301	300,886
$1,000	10,489,874	4,919,450	4,595,039	975,385	5,220,603	5,269,271
Customwork and other agricultural services ..... farms	121,874	35,536	72,364	13,974	67,080	54,794
$1,000	1,875,665	409,229	1,190,283	276,154	874,936	1,000,729
Gross cash rent or share payments ..... farms	241,923	190,196	43,575	8,152	146,210	95,713
$1,000	2,883,897	2,101,426	619,932	162,538	1,751,528	1,132,369
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ..... farms	47,603	34,389	12,416	798	26,387	21,216
$1,000	594,944	427,541	161,395	6,008	323,752	271,192
Agri-tourism and recreational services (see text) ..... farms	23,350	14,445	7,586	1,319	11,022	12,328
$1,000	566,834	329,589	186,675	50,569	219,134	347,700
Patronage dividends and refunds from cooperatives ..... farms	288,196	110,337	152,175	25,684	159,022	129,174
$1,000	854,995	249,031	504,810	101,154	393,226	461,768
Crop and livestock insurance payments received (see text) ..... farms	82,001	19,279	53,800	8,922	45,331	36,670
$1,000	1,676,727	261,492	1,224,909	190,325	799,285	877,442
Amount from state and local government agricultural program payments (see text) ..... farms	34,410	17,713	14,963	1,734	18,052	16,358
$1,000	145,413	52,091	83,620	9,701	68,265	77,148
Other farm-related income sources (see text) ..... farms	118,939	71,660	40,161	7,118	59,820	59,119
$1,000	1,891,400	1,089,051	623,413	178,935	790,476	1,100,923
LAND USE						
Total cropland ..... farms	1,685,339	1,095,738	480,752	108,849	990,157	695,182
acres	406,424,909	111,564,144	250,667,611	44,193,154	209,749,150	196,675,759
Harvested cropland ..... farms	1,328,004	776,806	453,901	97,297	767,613	560,391
acres	309,607,601	62,191,104	210,295,715	37,120,782	155,611,854	153,995,747
Farms by acres harvested:						
1 to 49 acres	700,266	552,462	115,103	32,701	405,559	294,707
50 to 99 acres	179,055	102,370	63,325	13,360	107,338	71,717
100 to 199 acres	141,875	62,037	65,598	14,240	84,345	57,530
200 to 499 acres	143,776	39,192	87,856	16,728	84,255	59,521
500 to 999 acres	82,211	11,892	60,128	10,191	47,751	34,460
1,000 to 1,999 acres	53,728	5,809	41,434	6,485	27,965	25,763
2,000 acres or more	27,093	3,044	20,457	3,592	10,400	16,693
Cropland-						
For pasture or grazing only ..... farms	404,753	275,111	110,612	19,030	227,398	177,355
acres	35,771,154	18,033,759	15,117,997	2,619,398	19,884,791	15,886,363
On which all crops failed or were abandoned ..... farms	89,587	49,609	34,462	5,516	50,221	39,366
acres	7,405,898	2,264,409	4,516,996	624,493	4,005,768	3,400,130
Idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed ..... farms	360,225	281,181	68,577	10,467	221,381	138,844
acres	37,968,749	25,405,753	10,748,758	1,814,238	22,667,699	15,301,050
In cultivated summer fallow ..... farms	67,960	31,457	30,951	5,552	39,497	28,463
acres	15,671,507	3,669,119	9,988,145	2,014,243	7,579,038	8,092,469

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
LAND USE - Con.						
Total woodland ....farms	843,294	608,254	213,757	21,283	473,076	370,218
acres	75,098,603	48,317,124	24,156,844	2,624,635	42,217,769	32,880,834
Woodland pastured ....farms	370,297	247,135	110,896	12,266	202,492	167,805
acres	28,609,690	15,438,238	11,602,887	1,568,565	15,832,988	12,776,702
Woodland not pastured ....farms	596,123	440,593	143,927	11,603	336,255	259,868
acres	46,488,913	32,878,886	12,553,957	1,056,070	26,384,781	20,104,132
Permanent pastureland and rangeland, other than cropland and woodland pastured (see text) ....farms	1,132,606	747,181	327,668	57,757	618,984	513,622
acres	408,832,116	166,074,646	209,293,194	33,464,276	212,845,901	195,986,215
Land in house lots, ponds, roads, wasteland, etc. ....farms	1,126,272	789,776	300,449	36,047	608,445	517,827
acres	31,740,212	17,996,413	12,226,641	1,517,158	17,901,907	13,838,305
Irrigated land ....farms	301,028	192,436	81,784	26,808	152,442	148,586
acres	56,599,305	15,125,045	31,658,904	9,815,356	24,268,269	32,331,036
Harvested cropland ....farms	256,105	156,979	74,512	24,614	132,397	123,708
acres	51,537,104	12,776,259	29,361,272	9,399,573	22,084,359	29,452,745
Pastureland and other land ....farms	72,585	51,898	17,049	3,638	32,178	40,407
acres	5,062,201	2,348,786	2,297,632	415,783	2,183,910	2,878,291
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) ....farms	346,231	260,399	77,732	8,100	223,595	122,636
acres	38,547,450	26,992,806	10,226,230	1,328,414	23,785,733	14,761,717
Land enrolled in crop insurance programs (see text) ....farms	349,408	117,982	187,716	43,710	206,118	143,290
acres	222,267,817	32,609,510	160,023,537	29,634,770	107,507,336	114,760,481
ORGANIC AGRICULTURE						
Land used for organic production (see text) ....farms	20,437	13,670	4,990	1,777	9,154	11,283
acres	2,577,418	768,598	1,506,679	302,141	1,020,670	1,556,748
Total organic product sales (see text) ....farms	18,211	11,989	4,553	1,669	8,165	10,046
$1,000	1,709,111	521,399	782,190	405,522	592,992	1,116,120
VALUE OF LAND AND BUILDINGS						
Estimated market value of land and buildings ....farms	2,204,792	1,522,033	542,192	140,567	1,273,122	931,670
$1,000	1,744,295,252	726,272,897	868,002,621	150,019,734	898,544,465	845,750,787
Average per farm .... dollars	791,138	477,173	1,600,914	1,067,247	705,780	907,779
Average per acre .... dollars	1,892	2,112	1,749	1,834	1,861	1,925
Farms by value group:						
$1 to $49,999	223,182	189,227	10,740	23,215	140,674	82,508
$50,000 to $99,999	212,783	179,963	18,568	14,252	132,164	80,619
$100,000 to $199,999	374,783	308,770	46,869	19,144	220,132	154,651
$200,000 to $499,999	631,939	474,240	128,645	29,054	357,129	274,810
$500,000 to $999,999	371,783	234,122	116,837	20,824	212,034	159,749
$1,000,000 to $1,999,999	206,282	89,089	101,528	15,665	118,303	87,979
$2,000,000 to $4,999,999	132,549	34,976	84,885	12,688	70,588	61,961
$5,000,000 to $9,999,999	36,072	7,491	24,765	3,816	16,256	19,816
$10,000,000 or more	15,419	4,155	9,355	1,909	5,842	9,577
VALUE OF MACHINERY AND EQUIPMENT						
Estimated market value of all machinery and equipment ....farms	2,204,513	1,521,782	542,187	140,544	1,272,939	931,574
$1,000	194,783,471	78,840,006	97,046,497	18,896,967	98,105,982	96,677,489
Farms by value group:						
$1 to $4,999	195,820	171,585	14,483	9,752	121,380	74,440
$5,000 to $9,999	217,460	186,961	20,156	10,343	133,791	83,669
$10,000 to $19,999	351,088	290,421	43,131	17,536	211,244	139,844
$20,000 to $49,999	598,289	455,207	109,778	33,304	346,677	251,612
$50,000 to $99,999	366,768	235,870	106,344	24,554	206,948	159,820
$100,000 to $199,999	232,001	110,764	101,875	19,362	129,903	102,098
$200,000 to $499,999	175,152	57,929	99,852	17,371	93,942	81,210
$500,000 or more	67,935	13,045	46,568	8,322	29,054	38,881
SELECTED MACHINERY AND EQUIPMENT						
Trucks, including pickups (see text) ....farms	1,783,324	1,163,466	500,944	118,914	1,003,851	779,473
number	3,512,538	1,862,657	1,383,955	265,926	1,848,711	1,663,827
Tractors ....farms	1,844,647	1,232,146	501,965	110,536	1,060,523	784,124
number	4,389,812	2,358,382	1,723,297	308,133	2,431,272	1,958,540
Less than 40 horsepower (PTO) ....farms	910,937	656,842	210,991	43,104	510,504	400,433
number	1,280,039	883,367	332,856	63,816	709,339	570,700
40 to 99 horsepower (PTO) ....farms	1,238,101	781,706	385,173	71,222	714,238	523,863
number	1,998,508	1,136,430	741,077	121,001	1,123,418	875,090
100 horsepower (PTO) or more ....farms	555,941	223,228	275,324	57,389	321,185	234,756
number	1,111,265	338,585	649,364	123,316	598,515	512,750
Grain and bean combines, self-propelled ....farms	295,490	79,048	180,842	35,600	175,002	120,488
number	346,935	89,242	215,546	42,147	200,503	146,432

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
SELECTED MACHINERY AND EQUIPMENT - Con.						
Cotton pickers and strippers, self-propelled ..... farms	12,500	2,028	7,833	2,639	7,263	5,237
number	18,162	2,861	11,449	3,852	9,920	8,242
Forage harvesters, self-propelled ..... farms	60,133	25,559	30,279	4,295	28,373	31,760
number	64,191	26,605	32,924	4,662	29,867	34,324
Hay balers ..... farms	593,543	317,924	243,483	32,136	331,527	262,016
number	727,501	376,392	312,093	39,016	400,501	327,000
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners ..... farms	1,022,036	550,316	388,774	82,946	580,849	441,187
acres treated	265,995,497	51,723,542	181,812,602	32,459,353	133,100,803	132,894,694
Manure ..... farms	307,073	151,697	137,001	18,375	146,570	160,503
acres treated	22,096,315	5,650,580	14,696,441	1,749,294	9,180,363	12,915,952
Acres treated with chemicals to control-						
Insects ..... farms	354,357	164,345	150,111	39,901	191,477	162,880
acres	90,947,822	15,858,208	60,697,308	14,392,306	42,626,574	48,321,248
Weeds, grass, or brush ..... farms	703,884	344,073	294,253	65,558	384,617	319,267
acres	226,295,783	33,834,176	161,879,097	30,582,510	109,600,259	116,695,524
Nematodes ..... farms	34,992	14,713	15,554	4,725	18,454	16,538
acres	7,560,158	1,143,633	5,050,059	1,366,466	3,487,015	4,073,143
Diseases in crops and orchards ..... farms	97,333	49,860	36,035	11,438	49,503	47,830
acres	22,693,212	3,571,788	15,098,879	4,022,545	9,596,447	13,096,765
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms	44,638	21,831	17,186	5,621	23,679	20,959
acres treated	12,125,799	2,080,136	7,469,665	2,575,998	5,551,236	6,574,563
TENURE						
Full owners ..... farms	1,522,033	1,522,033	-	-	882,706	639,327
Part owners ..... farms	542,192	-	542,192	-	303,489	238,703
Tenants ..... farms	140,567	-	-	140,567	86,927	53,640
OWNED AND RENTED LAND						
Land owned ..... farms	2,072,101	1,522,033	542,192	7,876	1,191,559	880,542
acres	646,247,118	405,255,308	238,412,526	2,579,284	356,722,667	289,524,451
Owned land in farms ..... farms	2,064,225	1,522,033	542,192	-	1,186,195	878,030
acres	571,303,487	343,952,327	227,351,160	-	308,399,059	262,904,428
Land rented or leased from others ..... farms	689,102	6,343	542,192	140,567	394,387	294,715
acres	355,918,954	1,500,343	271,259,005	83,159,606	177,022,679	178,896,275
Rented or leased land in farms ..... farms	682,759	-	542,192	140,567	390,416	292,343
acres	350,792,353	-	268,993,130	81,799,223	174,315,668	176,476,685
Land rented or leased to others ..... farms	314,140	254,327	49,383	10,430	192,972	121,168
acres	80,070,232	62,803,324	13,327,241	3,939,667	51,030,619	29,039,613
NUMBER OF OPERATORS						
Total operators ..... number	3,337,450	2,280,452	845,793	211,205	1,273,122	2,064,328
Farms by number of operators:						
1 operator	1,273,122	882,706	303,489	86,927	1,273,122	-
2 operators	786,598	553,155	191,418	42,025	-	786,598
3 operators	112,285	67,218	36,437	8,630	-	112,285
4 operators	22,529	12,908	7,656	1,965	-	22,529
5 or more operators	10,258	6,046	3,192	1,020	-	10,258
Total women operators ..... number	1,008,943	758,084	203,789	47,070	175,407	833,536
Farms by number of women operators:						
1 operator	894,347	674,158	181,148	39,041	175,407	718,940
2 operators	45,408	33,457	8,964	2,987	-	45,408
3 operators	5,439	3,848	1,161	430	-	5,439
4 operators	1,017	765	166	86	-	1,017
5 or more operators	546	391	91	64	-	546
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male	1,898,583	1,261,581	510,115	126,887	1,097,715	800,868
Female	306,209	260,452	32,077	13,680	175,407	130,802
Primary occupation:						
Farming	993,881	574,660	344,151	75,070	570,236	423,645
Other	1,210,911	947,373	198,041	65,497	702,886	508,025
Place of residence:						
On farm operated	1,693,362	1,163,506	457,689	72,167	944,054	749,308
Not on farm operated	511,430	358,527	84,503	68,400	329,068	182,362
Days worked off farm:						
None	777,747	508,756	226,349	42,642	473,642	304,105
Any	1,427,045	1,013,277	315,843	97,925	799,480	627,565
1 to 49 days	238,479	173,246	49,643	15,590	147,325	91,154
50 to 99 days	115,578	80,589	26,864	8,125	66,814	48,764
100 to 199 days	196,687	133,043	49,718	13,926	109,132	87,555
200 days or more	876,301	626,399	189,618	60,284	476,209	400,092
Years on present farm:						
2 years or less	84,883	63,184	11,293	10,406	44,286	40,597
3 or 4 years	138,858	105,857	19,109	13,892	69,955	68,903
5 to 9 years	359,545	270,569	59,491	29,485	185,476	174,069

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Years on present farm - Con.						
10 years or more	1,621,506	1,082,423	452,299	86,784	973,405	648,101
Average years on present farm	21.6	20.8	25.2	17.0	22.8	20.0
Age group:						
Under 25 years	11,878	5,171	2,236	4,471	7,101	4,777
25 to 34 years	106,735	55,333	30,059	21,343	56,686	50,049
35 to 44 years	268,818	168,483	74,613	25,722	138,505	130,313
45 to 49 years	256,694	165,484	72,648	18,562	136,962	119,732
50 to 54 years	308,707	202,975	86,231	19,501	169,536	139,171
55 to 59 years	312,577	214,540	81,848	16,189	176,122	136,455
60 to 64 years	283,729	203,075	68,816	11,838	164,491	119,238
65 to 69 years	235,152	173,886	52,563	8,703	143,955	91,197
70 years and over	420,502	333,086	73,178	14,238	279,764	140,738
Average age	57.1	58.5	55.1	49.6	58.2	55.6
Spanish, Hispanic, or Latino origin (see text)	55,570	42,796	8,884	3,890	33,710	21,860
Race:						
American Indian or Alaska Native	34,706	27,970	4,944	1,792	18,280	16,426
Asian	11,214	8,222	1,157	1,835	6,100	5,114
Black or African American	30,599	21,122	6,915	2,562	21,814	8,785
Native Hawaiian or Other Pacific Islander	1,356	937	146	273	754	602
White	2,114,325	1,454,717	526,265	133,343	1,219,552	894,773
More than one race reported	12,592	9,065	2,765	762	6,622	5,970
Farms by number of persons living in operator's household:						
1 person	275,842	203,709	51,893	20,240	228,620	47,222
2 people	1,108,995	788,932	264,113	55,950	622,153	486,842
3 people	330,188	218,304	88,099	23,785	172,874	157,314
4 people	285,919	183,119	79,350	23,450	146,385	139,534
5 or more people	203,848	127,969	58,737	17,142	103,090	100,758
Percent of operator's total household income from farming:						
Less than 25 percent	1,583,710	1,236,562	265,653	81,495	914,680	669,030
25 to 49 percent	174,800	100,064	59,300	15,436	104,896	69,904
50 to 74 percent	187,421	93,176	76,925	17,320	110,653	76,768
75 to 99 percent	147,092	55,536	76,700	14,856	81,499	65,593
100 percent	111,769	36,695	63,614	11,460	61,394	50,375
Operator is a hired manager ... farms	59,759	36,303	16,205	7,251	32,305	27,454
acres	120,672,499	66,666,016	43,919,566	10,086,917	73,753,408	46,919,091
Farms with-						
Internet access	1,246,723	810,361	349,400	86,962	628,379	618,344
High-speed internet access	726,700	467,882	201,779	57,039	365,006	361,694
Farms by number of households sharing in net income of farm:						
1 household	1,733,827	1,228,586	400,629	104,612	1,070,728	663,099
2 households	356,707	225,565	105,040	26,102	154,229	202,478
3 households	66,438	38,473	22,267	5,698	24,672	41,766
4 households	30,004	18,325	9,089	2,590	15,274	14,730
5 households or more	17,816	11,084	5,167	1,565	8,219	9,597
FARMS BY TYPE OF ORGANIZATION						
Family or individual ... farms	1,906,335	1,337,187	457,807	111,341	1,152,596	753,739
acres	574,150,050	204,312,442	324,970,045	44,867,563	347,648,643	226,501,407
Partnership ... farms	174,247	106,721	51,359	16,167	61,725	112,522
acres	161,416,999	49,316,860	90,666,548	21,433,591	37,468,146	123,948,853
Registered under state law ... farms	89,739	52,707	27,875	9,157	27,996	61,743
acres	114,284,815	35,019,988	62,694,378	16,570,449	26,376,167	87,908,648
Corporation ... farms	96,074	54,265	30,330	11,479	41,666	54,408
acres	125,319,810	40,762,634	71,136,156	13,421,020	49,544,312	75,775,498
Family held ... farms	85,837	47,421	28,514	9,902	36,243	49,594
acres	114,264,200	35,684,366	66,360,864	12,218,970	44,056,493	70,207,707
More than 10 stockholders ... farms	2,041	1,322	557	162	914	1,127
10 or less stockholders ... farms	83,796	46,099	27,957	9,740	35,329	48,467
Other than family held ... farms	10,237	6,844	1,816	1,577	5,423	4,814
acres	11,055,610	5,078,268	4,775,292	1,202,050	5,487,819	5,567,791
More than 10 stockholders ... farms	907	684	147	76	518	389
10 or less stockholders ... farms	9,330	6,160	1,669	1,501	4,905	4,425
Other-cooperative, estate or trust, institutional, etc ... farms	28,136	23,860	2,696	1,580	17,135	11,001
acres	61,208,981	49,560,391	9,571,541	2,077,049	48,053,626	13,155,355
HIRED FARM LABOR						
Hired farm labor ... farms	482,186	238,007	203,577	40,602	242,648	239,538
workers	2,636,509	1,192,724	1,115,296	328,489	1,096,727	1,539,782
Workers by days worked:						
150 days or more ... farms	201,292	85,612	95,843	19,837	85,753	115,539
workers	911,439	379,915	398,925	132,599	328,103	583,336
Less than 150 days ... farms	384,051	193,445	159,163	31,443	199,659	184,392
workers	1,725,070	812,809	716,371	195,890	768,624	956,446

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
HIRED FARM LABOR - Con.						
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	18,977	16,193	3,614	19,311	19,473
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	6,257	1,738	493	5,000	3,488
FARMS BY SIZE						
1 to 9 acres	232,849	208,074	8,985	15,790	123,417	109,432
10 to 49 acres	620,283	531,068	61,087	28,128	346,964	273,319
50 to 69 acres	153,862	120,846	24,825	8,191	92,572	61,290
70 to 99 acres	192,043	148,425	33,527	10,091	117,009	75,034
100 to 139 acres	175,146	125,664	39,104	10,378	107,243	67,903
140 to 179 acres	139,479	97,521	32,667	9,291	86,561	52,918
180 to 219 acres	87,502	54,034	27,457	6,011	53,201	34,301
220 to 259 acres	68,313	39,817	23,811	4,685	41,804	26,509
260 to 499 acres	212,553	103,952	92,101	16,500	127,736	84,817
500 to 999 acres	149,713	51,173	84,445	14,095	88,564	61,149
1,000 to 1,999 acres	92,656	22,863	60,639	9,154	51,408	41,248
2,000 acres or more	80,393	18,596	53,544	8,253	36,643	43,750
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION (NAICS)						
Oilseed and grain farming (1111)	338,237	128,713	163,783	45,741	218,839	119,398
Vegetable and melon farming (1112)	40,589	27,345	8,703	4,541	21,070	19,519
Fruit and tree nut farming (1113)	98,281	85,681	8,558	4,042	54,000	44,281
Greenhouse, nursery, and floriculture production (1114)	54,889	44,668	5,693	4,528	28,158	26,731
Other crop farming (1119)	519,893	432,955	69,703	17,235	334,526	185,367
Tobacco farming (11191)	9,626	4,430	4,155	1,041	6,196	3,430
Cotton farming (11192)	9,968	2,819	4,886	2,263	6,451	3,517
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	425,706	60,662	13,931	321,879	178,420
Beef cattle ranching and farming (112111)	656,475	427,384	190,538	38,553	382,300	274,175
Cattle feedlots (112112)	31,065	18,490	10,847	1,728	16,614	14,451
Dairy cattle and milk production (11212)	57,318	21,660	30,844	4,814	25,389	31,929
Hog and pig farming (1122)	30,546	20,272	8,205	2,069	15,705	14,841
Poultry and egg production (1123)	64,570	52,660	10,278	1,632	28,471	36,099
Sheep and goat farming (1124)	67,254	56,595	7,394	3,265	32,143	35,111
Animal aquaculture and other animal production (1125, 1129)	245,675	205,610	27,646	12,419	115,907	129,768
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited resource farms ..... farms	308,837	246,023	44,811	18,003	196,388	112,449
acres	42,419,764	24,970,931	14,069,062	3,379,771	26,535,871	15,883,893
Retirement farms ..... farms	456,093	368,883	74,500	12,710	284,682	171,411
acres	89,580,775	56,747,977	29,479,259	3,353,539	52,567,152	37,013,623
Residential/lifestyle farms ..... farms	801,844	603,331	151,112	47,401	440,814	361,030
acres	121,143,585	66,070,693	45,257,674	9,815,218	66,327,185	54,816,400
Farming occupation/lower sales ..... farms	258,899	165,273	71,957	21,669	147,145	111,754
acres	87,190,445	35,225,136	43,488,254	8,477,055	50,614,378	36,576,067
Farming occupation/higher sales ..... farms	100,126	27,785	59,864	12,477	60,610	39,516
acres	104,081,344	21,100,462	72,139,118	10,841,764	56,392,453	47,688,891
Large family farms ..... farms	86,551	19,784	57,602	9,165	47,346	39,205
acres	123,024,138	21,518,782	89,100,031	12,405,325	61,371,356	61,652,782
Very large family farms ..... farms	101,265	28,932	62,655	9,678	45,307	55,958
acres	211,224,012	36,160,624	153,165,179	21,898,209	82,419,188	128,804,824
Non-family farms ..... farms	91,177	62,022	19,691	9,464	50,830	40,347
acres	143,431,777	82,157,722	49,645,713	11,628,342	86,487,144	56,944,633
LIVESTOCK						
Cattle and calves inventory ..... farms	963,669	569,408	335,582	58,679	538,625	425,044
number	96,347,858	39,349,167	49,819,521	7,179,170	46,141,822	50,206,036
Farms with-						
1 to 9	233,078	187,906	34,514	10,658	126,190	106,888
10 to 49	415,493	266,951	122,886	25,656	246,208	169,285
50 to 99	135,117	60,301	65,112	9,704	76,892	58,225
100 to 199	91,193	29,906	55,104	6,183	48,085	43,108
200 to 499	59,234	15,689	39,411	4,134	28,646	30,588
500 or more	29,554	8,655	18,555	2,344	12,604	16,950
Cows and heifers that had calved ..... farms	818,992	470,566	298,227	50,199	459,620	359,372
number	42,101,375	16,588,982	22,496,300	3,016,093	20,335,244	21,766,131
Beef cows ..... farms	764,984	450,209	269,312	45,463	435,683	329,301
number	32,834,801	12,947,539	17,684,548	2,202,714	17,052,159	15,782,642
Farms with-						
1 to 9	246,863	186,453	48,067	12,343	136,586	110,277
10 to 49	360,845	210,865	127,392	22,588	214,989	145,856
50 to 99	84,253	31,824	46,930	5,499	47,604	36,649
100 to 199	43,575	12,758	27,852	2,965	23,017	20,558
200 to 499	23,635	6,344	15,659	1,632	11,094	12,541
500 or more	5,813	1,965	3,412	436	2,393	3,420

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
LIVESTOCK - Con.						
Cattle and calves inventory - Con.						
Cows and heifers that had calved - Con.						
Milk cows ....farms	69,890	27,693	36,612	5,585	31,166	38,724
number	9,266,574	3,641,443	4,811,752	813,379	3,283,085	5,983,489
Farms with-						
1 to 9	14,426	9,823	3,800	803	7,325	7,101
10 to 49	19,912	8,719	9,234	1,959	10,668	9,244
50 to 99	18,986	5,018	12,354	1,614	7,746	11,240
100 to 199	8,975	1,844	6,589	542	3,052	5,923
200 to 499	4,307	914	3,059	334	1,317	2,990
500 or more	3,284	1,375	1,576	333	1,058	2,226
Other cattle (see text) ....farms	788,633	440,276	299,096	49,261	432,023	356,610
number	54,246,483	22,760,185	27,323,221	4,163,077	25,806,578	28,439,905
Cattle and calves sold ....farms	798,290	438,709	308,532	51,049	445,648	352,642
number	74,071,936	34,047,942	34,265,201	5,758,793	35,969,882	38,102,054
$1,000	61,209,970	29,265,060	27,142,784	4,802,126	29,624,931	31,585,038
Calves weighing less than 500 pounds ....farms	414,324	226,808	162,221	25,295	227,374	186,950
number	13,695,252	6,413,389	6,263,592	1,018,271	6,540,333	7,154,919
Cattle, including calves weighing 500 pounds or more ....farms	681,126	361,392	275,882	43,852	376,247	304,879
number	60,376,684	27,634,553	28,001,609	4,740,522	29,429,549	30,947,135
Cattle on feed (see text) ....farms	76,396	33,698	37,683	5,015	39,406	36,990
number	27,595,928	16,437,184	9,014,224	2,144,520	13,327,107	14,268,821
Hogs and pigs inventory ....farms	75,442	43,641	26,970	4,831	36,048	39,394
number	67,786,318	34,422,378	28,720,589	4,643,351	32,964,561	34,821,757
Farms with-						
1 to 24	45,047	31,376	11,241	2,430	19,907	25,140
25 to 49	4,292	2,323	1,647	322	2,306	1,986
50 to 99	3,182	1,592	1,337	253	1,757	1,425
100 to 199	2,590	1,027	1,284	279	1,464	1,126
200 to 499	4,524	1,496	2,637	391	2,567	1,957
500 or more	15,807	5,827	8,824	1,156	8,047	7,760
Used or to be used for breeding ....farms	32,867	19,125	11,440	2,302	15,796	17,071
number	6,290,610	4,021,135	1,827,452	442,023	2,881,486	3,409,124
Other hogs and pigs ....farms	66,441	37,255	24,924	4,262	31,604	34,837
number	61,495,708	30,401,243	26,893,137	4,201,328	30,083,075	31,412,633
Hogs and pigs sold ....farms	74,789	41,873	27,960	4,956	35,612	39,177
number	206,807,181	115,437,063	78,145,535	13,224,583	98,197,845	108,609,336
$1,000	18,056,981	9,032,718	7,745,126	1,279,137	8,643,566	9,413,415
Sheep and lambs inventory ....farms	83,134	60,710	18,222	4,202	38,856	44,278
number	5,819,162	2,621,538	2,720,866	476,758	2,729,766	3,089,396
Ewes 1 year old or older ....farms	68,222	48,464	16,132	3,626	31,858	36,364
number	3,516,409	1,589,456	1,655,805	271,148	1,636,281	1,880,128
Sheep and lambs sold ....farms	53,268	35,681	14,328	3,259	24,678	28,590
number	4,579,608	2,062,527	2,168,504	348,577	2,308,218	2,271,390
Horses and ponies inventory ....farms	575,942	413,232	134,857	27,853	267,072	308,870
number	4,028,827	2,795,336	1,001,098	232,393	1,766,227	2,262,600
Owned ....farms	501,528	363,398	113,964	24,166	227,398	274,130
number	3,224,964	2,253,065	798,688	173,211	1,412,255	1,812,709
Horses and ponies sold ....farms	133,472	97,955	28,413	7,104	57,432	76,040
number	506,503	342,656	133,540	30,307	222,862	283,641
Owned ....farms	106,050	78,405	21,866	5,779	45,726	60,324
number	400,845	271,545	106,394	22,906	176,714	224,131
Goats, all inventory ....farms	144,466	112,334	25,865	6,267	63,007	81,459
number	3,140,529	2,100,398	819,972	220,159	1,439,795	1,700,734
Goats sold ....farms	61,748	46,309	12,352	3,087	26,222	35,526
number	1,387,576	869,311	404,563	113,702	638,328	749,248
POULTRY						
Layers inventory (see text) ....farms	145,615	111,433	28,848	5,334	58,861	86,754
number	349,772,508	262,511,585	76,172,010	11,088,913	160,566,511	189,205,997
Farms with-						
1 to 399	140,844	108,134	27,526	5,184	56,820	84,024
400 to 3,199	785	517	223	45	355	430
3,200 to 9,999	626	448	153	25	268	358
10,000 to 19,999	1,373	996	348	29	596	777
20,000 to 49,999	1,292	893	378	21	545	747
50,000 to 99,999	261	151	102	8	104	157
100,000 or more	434	294	118	22	173	261
Pullets for laying flock replacement inventory ....farms	22,514	17,045	4,655	814	8,750	13,764
number	105,876,529	72,887,287	30,754,938	2,234,304	51,835,075	54,041,454
Layers sold ....farms	24,971	18,772	5,249	950	9,336	15,635
number	194,955,057	150,356,584	39,218,277	5,380,196	82,648,976	112,306,081
Pullets for laying flock replacement sold (see text) ....farms	4,169	3,075	982	112	1,798	2,371
number	161,354,686	104,915,889	53,007,958	3,430,839	73,857,887	87,496,799

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
POULTRY - Con.						
Broilers and other meat-type chickens sold ..... farms	27,091	18,902	7,341	848	11,961	15,130
number	8,914,828,122	6,160,610,259	2,599,644,159	154,573,704	4,092,249,000	4,822,579,122
Farms with-						
1 to 1,999	9,743	6,805	2,384	554	3,659	6,084
2,000 to 59,999	618	432	144	42	285	333
60,000 to 99,999	623	479	125	19	314	309
100,000 or more	16,107	11,186	4,688	233	7,703	8,404
Turkeys inventory (see text) ..... farms	17,226	12,870	3,677	679	6,681	10,545
number	107,173,804	65,625,612	38,511,917	3,036,275	51,711,634	55,462,170
Turkeys sold (see text) ..... farms	8,284	5,774	2,188	322	3,180	5,104
number	295,793,159	180,017,054	106,167,921	9,608,184	141,418,388	154,374,771
CROPS HARVESTED						
Barley for grain ..... farms	19,848	5,111	12,669	2,068	10,581	9,267
acres	3,521,957	564,959	2,529,130	427,868	1,758,631	1,763,326
bushels	207,089,232	34,003,973	146,415,851	26,669,408	100,421,661	106,667,571
Irrigated ..... farms	4,241	1,407	2,319	515	2,105	2,136
acres	741,475	175,438	453,572	112,465	323,188	418,287
Farms by acres harvested:						
1 to 24 acres	5,742	2,191	3,078	473	3,112	2,630
25 to 99 acres	5,405	1,457	3,428	520	2,813	2,592
100 to 249 acres	4,469	921	3,009	539	2,450	2,019
250 to 499 acres	2,552	329	1,896	327	1,422	1,130
500 acres or more	1,680	213	1,258	209	784	896
Corn for grain ..... farms	347,760	115,664	191,127	40,969	210,115	137,645
acres	86,248,542	11,750,983	63,370,270	11,127,289	43,495,941	42,752,601
bushels	12,738,519,330	1,665,489,536	9,354,783,579	1,718,246,215	6,350,245,641	6,388,273,689
Irrigated ..... farms	38,911	8,825	24,042	6,044	20,919	17,992
acres	13,156,769	1,948,108	8,859,175	2,349,486	5,864,023	7,292,746
Farms by acres harvested:						
1 to 24 acres	68,008	42,360	20,289	5,359	42,991	25,017
25 to 99 acres	101,672	44,832	44,361	12,479	64,408	37,264
100 to 249 acres	78,166	18,411	49,163	10,592	48,496	29,670
250 to 499 acres	50,807	5,955	38,293	6,559	30,583	20,224
500 acres or more	49,107	4,106	39,021	5,980	23,637	25,470
Corn for silage or greenchop ..... farms	84,317	24,662	53,170	6,485	40,421	43,896
acres	5,979,661	1,280,661	4,246,114	452,886	2,307,598	3,672,063
tons	104,224,795	23,560,298	72,053,576	8,610,921	39,050,870	65,173,925
Irrigated ..... farms	9,664	3,220	5,333	1,111	4,194	5,470
acres	1,497,288	497,334	821,563	178,391	565,550	931,738
Farms by acres harvested:						
1 to 24 acres	34,207	13,528	17,828	2,851	18,850	15,357
25 to 99 acres	34,878	8,381	23,930	2,567	15,973	18,905
100 to 249 acres	10,855	1,951	8,181	723	4,200	6,655
250 to 499 acres	2,859	482	2,149	228	939	1,920
500 acres or more	1,518	320	1,082	116	459	1,059
Cotton, all ..... farms	18,605	4,451	10,243	3,911	11,371	7,234
acres	10,493,238	1,444,711	6,572,705	2,475,822	5,167,055	5,326,183
bales	18,898,128	2,663,635	11,425,039	4,809,454	8,931,116	9,967,012
Irrigated ..... farms	8,776	1,883	4,695	2,198	4,933	3,843
acres	4,035,610	602,576	2,267,213	1,165,821	1,781,166	2,254,444
Farms by acres harvested:						
1 to 24 acres	961	611	234	116	709	252
25 to 99 acres	3,043	1,285	1,231	527	2,124	919
100 to 249 acres	3,886	1,069	2,042	775	2,599	1,287
250 to 499 acres	3,738	674	2,253	811	2,383	1,355
500 acres or more	6,977	812	4,483	1,682	3,556	3,421
Dry edible beans, excluding limas ..... farms	6,236	1,316	4,013	907	3,446	2,790
acres	1,455,549	151,632	1,108,694	195,223	656,673	798,876
cwt	25,353,900	2,864,516	18,976,975	3,512,409	11,286,532	14,067,368
Irrigated ..... farms	2,456	711	1,311	434	1,245	1,211
acres	353,503	67,344	223,633	62,526	145,320	208,183
Farms by acres harvested:						
1 to 24 acres	818	494	221	103	475	343
25 to 99 acres	1,709	415	1,025	269	1,046	663
100 to 249 acres	1,856	243	1,327	286	1,071	785
250 to 499 acres	1,066	104	815	147	559	507
500 acres or more	787	60	625	102	295	492
Oats for grain ..... farms	42,558	16,197	23,699	2,662	23,231	19,327
acres	1,509,149	400,337	1,012,931	95,881	792,968	716,181
bushels	89,508,669	23,583,531	59,943,618	5,981,520	46,207,813	43,300,856
Irrigated ..... farms	1,620	656	780	184	820	800
acres	78,214	28,409	38,592	11,213	37,544	40,670
Farms by acres harvested:						
1 to 24 acres	27,044	12,223	13,084	1,737	15,215	11,829
25 to 99 acres	12,167	3,279	8,191	697	6,261	5,906
100 to 249 acres	2,643	547	1,914	182	1,388	1,255
250 to 499 acres	552	123	394	35	302	250
500 acres or more	152	25	116	11	65	87
Peanuts for nuts ..... farms	6,182	1,552	3,780	850	4,137	2,045
acres	1,200,564	222,012	832,501	146,051	685,592	514,972
pounds	3,703,138,887	709,582,727	2,549,354,250	444,201,910	2,099,750,112	1,603,388,775
Irrigated ..... farms	2,381	596	1,437	348	1,489	892
acres	418,789	92,922	268,737	57,130	216,028	202,761

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
CROPS HARVESTED - Con.						
Peanuts for nuts - Con.						
Farms by acres harvested:						
1 to 24 acres	915	483	320	112	653	262
25 to 99 acres	1,909	500	1,116	293	1,452	457
100 to 249 acres	1,886	337	1,278	271	1,219	667
250 to 499 acres	920	135	664	121	555	365
500 acres or more	552	97	402	53	258	294
Rice ... farms	6,084	1,264	2,653	2,167	3,065	3,019
acres	2,758,792	363,484	1,374,101	1,021,207	1,046,995	1,711,797
cwt	198,538,690	26,254,452	98,678,389	73,605,849	73,455,274	125,083,416
Irrigated ... farms	6,084	1,264	2,653	2,167	3,065	3,019
acres	2,758,792	363,484	1,374,101	1,021,207	1,046,995	1,711,797
Farms by acres harvested:						
1 to 24 acres	132	94	22	16	89	43
25 to 99 acres	915	383	275	257	596	319
100 to 249 acres	1,459	305	626	528	916	543
250 to 499 acres	1,616	262	712	642	783	833
500 acres or more	1,962	220	1,018	724	681	1,281
Sorghum for grain ... farms	26,242	6,179	16,097	3,966	15,768	10,474
acres	6,769,834	959,246	4,527,709	1,282,879	3,522,064	3,247,770
bushels	482,452,865	63,269,227	325,215,225	93,968,413	247,829,531	234,623,334
Irrigated ... farms	4,483	942	2,550	991	2,492	1,991
acres	845,214	137,523	488,262	219,429	409,120	436,094
Farms by acres harvested:						
1 to 24 acres	2,609	1,244	1,119	246	1,626	983
25 to 99 acres	8,335	2,632	4,568	1,135	5,381	2,954
100 to 249 acres	7,302	1,330	4,835	1,137	4,458	2,844
250 to 499 acres	4,377	565	3,095	717	2,515	1,862
500 acres or more	3,619	408	2,480	731	1,788	1,831
Soybeans for beans ... farms	279,110	85,268	159,116	34,726	174,130	104,980
acres	63,915,821	8,651,325	47,089,767	8,174,729	34,161,251	29,754,570
bushels	2,582,423,697	343,181,984	1,906,284,982	332,956,731	1,363,670,604	1,218,753,093
Irrigated ... farms	20,333	3,754	12,877	3,702	11,211	9,122
acres	5,237,075	607,046	3,315,102	1,314,927	2,318,744	2,918,331
Farms by acres harvested:						
1 to 24 acres	38,458	24,140	10,744	3,574	25,413	13,045
25 to 99 acres	90,935	39,559	39,399	11,977	59,641	31,294
100 to 249 acres	70,698	14,584	46,564	9,550	45,411	25,287
250 to 499 acres	44,381	4,216	34,771	5,394	26,924	17,457
500 acres or more	34,638	2,769	27,638	4,231	16,741	17,897
Sugarbeets for sugar ... farms	4,022	585	2,808	629	2,102	1,920
acres	1,253,817	134,808	950,044	168,965	528,568	725,249
tons	31,937,325	3,517,507	23,987,940	4,431,878	13,305,690	18,631,635
Irrigated ... farms	1,595	320	993	282	763	832
acres	394,675	58,070	271,892	64,713	164,326	230,349
Sugarcane for sugar ... farms	692	177	318	197	358	334
acres	846,666	132,208	524,528	189,930	350,693	495,973
tons	31,127,405	4,833,911	19,767,291	6,526,203	12,541,546	18,585,859
Irrigated ... farms	219	83	103	33	107	112
acres	435,205	94,360	322,942	17,903	175,666	259,539
Sunflower seed, all ... farms	6,403	1,082	4,583	738	3,725	2,678
acres	2,000,153	248,644	1,530,432	221,077	1,009,534	990,619
pounds	2,820,962,445	348,424,186	2,163,884,117	308,654,142	1,427,284,975	1,393,677,470
Irrigated ... farms	608	121	364	123	281	327
acres	102,219	11,682	59,709	30,828	40,045	62,174
Farms by acres harvested:						
1 to 24 acres	502	245	222	35	276	226
25 to 99 acres	1,153	263	726	164	730	423
100 to 249 acres	2,110	302	1,551	257	1,322	788
250 to 499 acres	1,494	146	1,179	169	847	647
500 acres or more	1,144	126	905	113	550	594
Tobacco ... farms	16,234	6,769	7,731	1,734	10,071	6,163
acres	359,846	65,230	262,324	32,292	202,209	157,637
pounds	778,301,825	135,875,342	571,849,707	70,576,776	430,263,100	348,038,725
Irrigated ... farms	2,572	683	1,638	251	1,485	1,087
acres	71,578	9,430	57,258	4,890	37,379	34,200
Farms by acres harvested:						
0.1 to 0.9 acres	235	157	66	12	146	89
1.0 to 1.9 acres	1,493	969	414	110	953	540
2.0 to 2.9 acres	1,827	1,069	543	215	1,149	678
3.0 to 4.9 acres	2,772	1,417	1,025	330	1,738	1,034
5.0 to 9.9 acres	3,459	1,564	1,450	445	2,111	1,348
10.0 to 24.9 acres	3,129	1,116	1,688	325	1,998	1,131
25.0 acres or more	3,319	477	2,545	297	1,976	1,343
Wheat for grain, all ... farms	160,810	44,322	98,271	18,217	95,091	65,719
acres	50,932,969	8,387,536	36,298,549	6,246,884	25,745,066	25,187,903
bushels	1,993,648,378	318,244,162	1,407,050,666	268,353,550	968,519,904	1,025,128,474
Irrigated ... farms	15,213	4,182	8,700	2,331	7,931	7,282
acres	3,364,079	768,861	1,981,184	614,034	1,459,629	1,904,450
Farms by acres harvested:						
1 to 24 acres	26,703	12,602	11,737	2,364	16,680	10,023
25 to 99 acres	49,409	15,777	28,271	5,361	30,560	18,849
100 to 249 acres	34,703	8,078	22,372	4,253	20,689	14,014
250 to 499 acres	21,167	3,878	14,576	2,713	12,337	8,830
500 acres or more	28,828	3,987	21,315	3,526	14,825	14,003

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
CROPS HARVESTED - Con.						
Forage-land used for all hay and haylage, grass silage, and greenchop (see text) ..... farms	869,534	514,782	313,402	41,350	489,569	379,965
acres	61,455,483	23,026,690	34,588,260	3,840,533	30,612,436	30,843,047
tons, dry	155,393,762	53,476,925	90,052,977	11,863,860	74,381,429	81,012,333
Irrigated ..... farms	86,007	49,442	30,738	5,827	43,211	42,796
acres	10,264,753	3,972,169	5,194,371	1,098,213	4,320,312	5,944,441
Farms by acres harvested:						
1 to 24 acres	367,533	277,140	76,176	14,217	213,355	154,178
25 to 99 acres	345,273	190,340	137,432	17,501	198,499	146,774
100 to 249 acres	111,368	36,245	68,570	6,553	57,427	53,941
250 to 499 acres	30,370	7,459	20,983	1,928	14,235	16,135
500 acres or more	14,990	3,598	10,241	1,151	6,053	8,937
Alfalfa hay ..... farms	290,726	145,288	127,593	17,845	157,628	133,098
acres	20,244,497	6,629,474	12,024,511	1,590,512	9,616,659	10,627,838
tons, dry	65,349,074	20,281,860	38,536,631	6,530,583	30,282,953	35,066,121
Irrigated ..... farms	56,390	30,820	21,500	4,070	28,519	27,871
acres	6,556,652	2,424,682	3,370,055	761,915	2,812,340	3,744,312
Other tame hay ..... farms	496,740	302,177	174,444	20,119	282,734	214,006
acres	26,763,972	11,546,631	13,886,188	1,331,153	14,357,952	12,406,020
tons, dry	54,347,673	22,675,366	28,789,257	2,883,050	28,976,351	25,371,322
Irrigated ..... farms	24,348	14,544	8,344	1,460	11,842	12,506
acres	1,699,864	696,125	846,754	156,985	721,378	978,486
Field and grass seed crops, all ..... farms	6,038	2,231	3,209	598	3,169	2,869
acres	1,178,726	183,434	828,381	166,911	475,960	702,766
Irrigated ..... farms	1,457	373	811	273	700	757
acres	323,441	45,680	220,610	57,151	116,622	206,819
Land in vegetables (see text) ..... farms	69,172	42,646	19,768	6,758	34,459	34,713
acres	4,356,880	795,113	2,701,943	859,824	1,599,936	2,756,944
Irrigated ..... farms	29,885	17,399	8,714	3,772	13,399	16,486
acres	3,068,485	528,270	1,815,091	725,124	1,041,200	2,027,285
Farms by acres harvested:						
0.1 to 4.9 acres	41,453	31,873	6,579	3,001	20,707	20,746
5.0 to 24.9 acres	13,869	7,666	4,528	1,675	7,129	6,740
25.0 to 99.9 acres	6,671	1,865	3,920	886	3,584	3,087
100.0 to 249.9 acres	3,473	622	2,371	480	1,674	1,799
250.0 acres or more	3,706	620	2,370	716	1,365	2,341
Snap beans ..... farms	17,300	11,165	4,506	1,629	7,698	9,602
acres	303,997	48,602	222,727	32,668	120,560	183,437
Harvested for processing ..... farms	1,999	754	1,061	184	881	1,118
acres	198,101	22,886	154,463	20,752	69,474	128,627
Peas, green ..... farms	4,532	1,982	1,993	557	2,204	2,328
acres	214,057	35,569	149,290	29,198	94,716	119,341
Harvested for processing ..... farms	2,047	453	1,396	198	1,066	981
acres	206,092	33,393	145,167	27,532	90,756	115,337
Potatoes ..... farms	15,014	9,085	4,463	1,466	6,801	8,213
acres	1,131,963	187,478	732,784	211,701	390,078	741,885
Harvested for processing ..... farms	1,739	588	904	247	749	990
acres	599,604	77,324	406,558	115,722	206,215	393,389
Farms by acres harvested:						
0.1 to 4.9 acres	12,013	8,332	2,655	1,026	5,485	6,528
5.0 to 24.9 acres	612	247	313	52	301	311
25.0 to 99.9 acres	539	173	298	68	279	260
100.0 to 249.9 acres	714	132	468	114	334	380
250.0 acres or more	1,136	201	729	206	402	734
Sweet corn ..... farms	28,241	17,732	8,430	2,079	13,870	14,371
acres	622,946	126,189	410,241	86,516	267,899	355,047
Harvested for processing ..... farms	3,670	1,374	1,928	368	1,919	1,751
acres	361,886	58,052	260,305	43,528	158,544	203,341
Sweet potatoes ..... farms	1,910	929	702	279	1,073	837
acres	105,284	10,484	82,874	11,926	40,049	65,235
Harvested for processing ..... farms	259	70	145	44	138	121
acres	21,360	2,951	15,500	2,909	8,867	12,494
Tomatoes in the open ..... farms	25,809	17,844	5,695	2,270	11,617	14,192
acres	442,225	115,076	229,409	97,740	136,911	305,314
Harvested for processing ..... farms	1,761	1,020	550	191	700	1,061
acres	319,549	77,127	170,866	71,556	89,528	230,022
Land in orchards ..... farms	115,935	97,071	14,413	4,451	62,058	53,877
acres	5,039,476	3,172,807	1,548,314	318,356	2,432,782	2,606,694
Irrigated ..... farms	61,189	51,872	6,897	2,420	32,957	28,232
acres	3,981,316	2,510,995	1,208,729	261,592	1,904,025	2,077,291
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	52,775	47,302	4,044	1,429	27,559	25,216
5.0 to 24.9 acres	37,043	31,654	3,851	1,538	20,861	16,182
25.0 to 99.9 acres	17,119	12,804	3,495	820	9,360	7,759
100.0 to 249.9 acres	5,434	3,355	1,718	361	2,733	2,701
250.0 acres or more	3,564	1,956	1,305	303	1,545	2,019
Apples ..... farms	25,591	21,184	3,674	733	11,954	13,637
bearing and nonbearing acres	398,770	217,531	160,376	20,863	151,558	247,212
Grapes ..... farms	25,892	21,670	3,116	1,106	12,829	13,063
bearing and nonbearing acres	1,051,407	621,321	357,032	73,054	488,382	563,025
Peaches, all ..... farms	13,582	10,725	2,433	424	6,360	7,222
bearing and nonbearing acres	149,237	61,934	78,672	8,632	61,724	87,513

See footnote(s) at end of table.

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Table 65. **Summary by Tenure of Principal Operator and by Operators on Farm: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Tenure of principal operator			Operators on farm	
		Full owners	Part owners	Tenants	One operator	More than one operator
CROPS HARVESTED - Con.						
Land in orchards - Con.						
Citrus fruit, all ..... farms	15,658	14,388	894	376	9,338	6,320
bearing and nonbearing acres	1,005,806	820,222	155,650	29,935	551,252	454,554
Almonds ..... farms	6,700	5,090	1,220	390	3,621	3,079
bearing and nonbearing acres	790,245	442,996	274,504	72,744	379,031	411,214
Pecans ..... farms	21,856	17,413	3,947	496	11,889	9,967
bearing and nonbearing acres	581,809	362,421	190,131	29,257	298,177	283,632
Walnuts, English ..... farms	7,161	5,869	975	317	3,823	3,338
bearing and nonbearing acres	267,751	150,450	92,326	24,975	119,901	147,849
Land in berries (see text) ..... farms	25,017	19,080	4,364	1,573	11,044	13,973
acres	261,733	134,836	90,842	36,056	110,123	151,610

[1] Landlord production expenses are included with total farm production expenses.
[2] Farms with a zero net cash income are included as farms with net gains of less than $1,000.

Table 1. **State Summary Highlights: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Farms ..... number	2,204,792	48,753	686	15,637	49,346	81,033
Land in farms ..... acres	922,095,840	9,033,537	881,585	26,117,899	13,872,862	25,364,695
Average size of farm ..... acres	418	185	1,285	1,670	281	313
Median size of farm ..... acres	80	70	60	4	80	20
Estimated market value of land and buildings:						
Average per farm ..... dollars	791,138	424,674	502,342	1,249,929	658,732	2,005,768
Average per acre ..... dollars	1,892	2,292	391	748	2,343	6,408
Estimated market value of all machinery and equipment:						
Average per farm ..... dollars	88,357	60,810	78,837	66,291	90,823	108,145
Farms by size:						
1 to 9 acres	232,849	3,374	165	9,873	2,581	25,278
10 to 49 acres	620,283	16,215	164	2,657	15,119	28,080
50 to 179 acres	660,530	17,808	156	1,221	16,916	12,939
180 to 499 acres	368,368	7,612	111	626	8,590	7,014
500 to 999 acres	149,713	2,235	38	436	2,959	3,267
1,000 acres or more	173,049	1,509	52	824	3,181	4,455
Total cropland ..... farms	1,685,339	31,773	512	7,475	35,154	61,215
acres	406,424,909	3,142,958	86,238	1,205,425	8,432,221	9,464,647
Harvested cropland ..... farms	1,328,004	23,336	424	4,993	29,050	53,000
acres	309,607,601	1,994,743	30,772	832,406	7,367,068	7,633,173
Irrigated land ..... farms	301,028	2,035	184	5,094	5,393	53,400
acres	56,599,305	112,819	3,730	876,158	4,460,682	8,016,159
Market value of agricultural products sold (see text) $1,000	297,220,491	4,415,550	57,019	3,234,552	7,508,806	33,885,064
Average per farm ..... dollars	134,807	90,570	83,119	206,852	152,166	418,164
Crops, including nursery and greenhouse crops $1,000	143,657,928	676,987	24,749	1,913,014	2,900,973	22,903,021
Livestock, poultry, and their products $1,000	153,562,563	3,738,563	32,271	1,321,538	4,607,833	10,982,043
Farms by value of sales:						
Less than $2,500	900,327	22,582	231	9,632	17,810	23,965
$2,500 to $4,999	200,302	5,458	81	1,721	5,353	6,548
$5,000 to $9,999	218,531	5,702	91	1,377	6,263	7,208
$10,000 to $24,999	248,285	6,457	91	1,063	7,147	10,481
$25,000 to $49,999	154,732	2,538	68	433	3,018	7,578
$50,000 to $99,999	125,456	1,287	47	358	1,685	6,212
$100,000 or more	357,159	4,729	77	1,053	8,070	19,041
Government payments ..... farms	838,391	14,428	78	1,140	11,461	7,444
$1,000	7,983,922	124,692	1,645	55,947	269,448	240,242
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	693,187	9,777	117	1,751	9,792	16,846
$1,000	10,489,874	119,799	3,224	76,233	130,397	820,562
Total farm production expenses $1,000	241,113,666	3,922,143	50,547	2,782,786	6,134,870	26,962,641
Average per farm ..... dollars	109,359	80,449	73,683	177,962	124,324	332,737
Net cash farm income of operation (see text) ..... farms	2,204,792	48,753	686	15,637	49,346	81,033
$1,000	74,581,098	737,898	11,341	583,946	1,773,782	7,983,228
Average per farm ..... dollars	33,827	15,135	16,532	37,344	35,946	98,518
Principal operator by primary occupation:						
Farming ..... number	993,881	19,416	365	9,553	21,960	40,910
Other ..... number	1,210,911	29,337	321	6,084	27,386	40,123
Principal operator by days worked off farm:						
Any ..... number	1,427,045	31,491	463	8,991	31,105	54,711
200 days or more ..... number	876,301	19,748	219	4,910	20,755	30,510
Livestock and poultry:						
Cattle and calves inventory ..... farms	963,669	23,970	130	7,716	28,292	16,638
number	96,347,858	1,187,171	14,823	1,000,038	1,802,653	5,498,025
Beef cows ..... farms	764,984	21,415	98	5,246	25,361	11,827
number	32,834,801	678,949	6,468	197,060	947,765	662,423
Milk cows ..... farms	69,890	157	28	182	339	2,165
number	9,266,574	12,962	577	183,744	16,718	1,840,730
Cattle and calves sold ..... farms	798,290	21,356	75	4,078	23,731	12,681
number	74,071,936	711,735	1,026	672,947	992,422	3,553,530
Hogs and pigs inventory ..... farms	75,442	753	43	378	1,142	1,389
number	67,786,318	178,275	757	(D)	289,342	153,983
Hogs and pigs sold ..... farms	74,789	547	50	284	954	1,267
number	206,807,181	733,285	2,053	(D)	1,866,416	296,378
Sheep and lambs inventory ..... farms	83,134	522	49	4,978	728	4,063
number	5,819,162	16,926	951	153,829	15,262	596,163
Layers inventory (see text) ..... farms	145,615	2,417	86	1,885	3,047	5,098
number	349,772,508	9,624,254	3,623	(D)	13,977,804	21,091,629
Broilers and other meat-type chickens sold ..... farms	27,091	2,428	12	29	2,485	229
number	8,914,828,122	1,016,230,625	(D)	456	1,171,556,369	280,512,754
Selected crops harvested:						
Corn for grain ..... farms	347,760	1,872	-	58	1,395	606
acres	86,248,542	276,661	-	22,654	584,629	189,965
bushels	12,738,519,330	21,008,771	-	4,083,974	99,778,632	34,602,626
Corn for silage or greenchop ..... farms	84,317	126	-	116	30	1,975
acres	5,979,661	11,016	-	33,941	1,887	460,614
tons	104,224,795	86,493	-	891,902	26,326	12,019,578
Wheat for grain, all ..... farms	160,810	520	-	201	2,112	1,191
acres	50,932,969	76,202	-	85,567	696,681	354,165
bushels	1,993,648,378	3,123,596	-	8,715,906	27,859,060	30,224,394
Winter wheat for grain ..... farms	136,103	520	-	18	2,112	879
acres	35,785,969	76,202	-	4,044	696,681	249,704
bushels	1,444,540,438	3,123,596	-	353,709	27,859,060	20,157,552
Spring wheat for grain ..... farms	28,733	-	-	-	-	114
acres	13,008,266	-	-	-	-	(D)
bushels	475,906,637	-	-	-	-	2,245,585
Durum wheat for grain ..... farms	3,723	-	-	188	-	239
acres	2,138,734	-	-	81,523	-	(D)
bushels	73,201,303	-	-	8,362,197	-	7,821,257

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Farms ..... number	37,054	4,916	2,546	47,463	47,846	7,521
Land in farms ..... acres	31,604,911	405,616	510,253	9,231,570	10,150,539	1,121,329
Average size of farm ..... acres	853	83	200	195	212	149
Median size of farm ..... acres	109	27	31	20	67	5
Estimated market value of land and buildings:						
Average per farm ..... dollars	892,170	1,045,133	2,073,605	1,096,718	661,201	1,146,213
Average per acre ..... dollars	1,046	12,667	10,347	5,639	3,117	7,688
Estimated market value of all machinery and equipment:						
Average per farm ..... dollars	99,344	64,090	119,718	54,604	76,948	40,666
Farms by size:						
1 to 9 acres	4,276	1,232	651	12,184	3,504	4,813
10 to 49 acres	9,359	1,894	802	20,680	16,243	1,972
50 to 179 acres	8,476	1,287	568	8,543	16,244	423
180 to 499 acres	5,501	400	280	3,461	7,432	154
500 to 999 acres	3,185	63	99	1,225	2,470	44
1,000 acres or more	6,257	40	146	1,370	1,953	115
Total cropland ..... farms	24,938	3,884	1,989	26,555	31,924	6,281
acres	11,483,936	163,686	432,773	2,953,340	4,478,168	177,626
Harvested cropland ..... farms	17,899	3,517	1,615	20,486	23,179	6,044
acres	5,888,926	136,833	409,468	2,112,129	3,390,437	103,120
Irrigated land ..... farms	15,774	789	560	12,868	5,716	2,810
acres	2,867,957	9,901	104,562	1,552,118	1,017,773	58,635
Market value of agricultural products sold (see text) $1,000	6,061,134	551,553	1,083,035	7,785,228	7,112,866	513,626
Average per farm ..... dollars	163,576	112,195	425,387	164,027	148,662	68,292
Crops, including nursery and greenhouse crops $1,000	1,981,399	401,372	210,635	6,256,228	2,142,270	429,916
Livestock, poultry, and their products $1,000	4,079,735	150,181	872,400	1,529,000	4,970,596	83,711
Farms by value of sales:						
Less than $2,500	17,566	1,933	683	21,529	23,391	2,932
$2,500 to $4,999	3,002	719	201	4,839	4,450	1,012
$5,000 to $9,999	3,122	561	159	4,668	4,527	996
$10,000 to $24,999	3,600	652	272	5,404	4,906	1,143
$25,000 to $49,999	2,383	329	127	3,355	2,308	557
$50,000 to $99,999	2,283	231	115	2,435	1,491	353
$100,000 or more	5,098	491	989	5,233	6,773	528
Government payments ..... farms	11,572	352	950	4,664	14,546	218
$1,000	155,980	4,122	8,896	45,343	224,523	2,378
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	11,075	1,233	1,063	6,877	10,936	636
$1,000	183,091	36,971	22,499	200,587	211,673	46,522
Total farm production expenses $1,000	5,431,280	469,319	823,103	5,762,883	5,982,253	486,648
Average per farm ..... dollars	146,577	95,468	323,293	121,418	125,031	64,705
Net cash farm income of operation (see text) ..... farms	37,054	4,916	2,546	47,463	47,846	7,521
$1,000	968,925	123,327	291,326	2,268,275	1,566,809	75,878
Average per farm ..... dollars	26,149	25,087	114,425	47,790	32,747	10,089
Principal operator by primary occupation:						
Farming ..... number	14,958	2,273	1,504	20,904	20,106	3,861
Other ..... number	22,096	2,643	1,042	26,559	27,740	3,660
Principal operator by days worked off farm:						
Any ..... number	25,975	3,355	1,420	31,400	30,297	5,618
200 days or more ..... number	14,712	2,093	918	18,743	19,087	2,827
Livestock and poultry:						
Cattle and calves inventory ..... farms	14,685	1,210	399	21,011	20,647	1,142
number	2,745,253	50,213	20,994	1,711,011	1,117,087	151,479
Beef cows ..... farms	11,627	754	253	16,694	17,721	853
number	735,014	5,982	3,668	942,419	554,099	86,000
Milk cows ..... farms	449	269	83	422	639	15
number	126,944	20,685	6,526	119,856	77,193	2,296
Cattle and calves sold ..... farms	11,963	805	307	14,146	16,261	713
number	3,148,677	17,348	11,219	843,641	595,273	70,567
Hogs and pigs inventory ..... farms	1,171	244	77	1,906	1,111	225
number	882,695	3,645	8,955	19,937	263,471	14,933
Hogs and pigs sold ..... farms	1,230	251	84	1,326	830	148
number	2,376,709	6,818	49,898	25,398	942,400	20,569
Sheep and lambs inventory ..... farms	1,600	399	56	875	664	394
number	413,450	5,767	903	13,030	11,313	22,376
Layers inventory (see text) ..... farms	3,018	822	164	3,361	2,870	354
number	3,902,950	(D)	(D)	11,787,758	19,273,181	368,233
Broilers and other meat-type chickens sold ..... farms	146	72	845	248	2,265	7
number	17,729	420,789	246,098,878	73,353,351	1,398,912,031	(D)
Selected crops harvested:						
Corn for grain ..... farms	2,585	61	843	513	3,114	14
acres	1,054,844	3,563	185,407	33,915	449,007	3,115
bushels	140,523,805	424,350	18,346,034	2,991,208	54,137,330	124,878
Corn for silage or greenchop ..... farms	857	253	73	119	284	-
acres	111,116	24,174	6,353	27,005	38,657	-
tons	2,327,377	480,472	67,825	484,308	676,293	-
Wheat for grain, all ..... farms	3,695	3	340	79	1,332	-
acres	2,369,096	55	54,546	9,157	228,959	-
bushels	88,427,841	2,300	3,635,755	497,844	9,206,001	-
Winter wheat for grain ..... farms	3,566	3	340	79	1,332	-
acres	2,343,606	55	54,546	9,157	228,959	-
bushels	86,598,055	2,300	3,635,755	497,844	9,206,001	-
Spring wheat for grain ..... farms	127	-	-	-	-	-
acres	(D)	-	-	-	-	-
bushels	(D)	-	-	-	-	-
Durum wheat for grain ..... farms	32	-	-	-	-	-
acres	(D)	-	-	-	-	-
bushels	(D)	-	-	-	-	-

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Farms ... number	25,349	76,860	60,938	92,856	65,531	85,260
Land in farms ... acres	11,497,383	26,775,100	14,773,184	30,747,550	46,345,827	13,993,121
Average size of farm ... acres	454	348	242	331	707	164
Median size of farm ... acres	52	95	54	151	200	80
Estimated market value of land and buildings:						
Average per farm ... dollars	894,497	1,321,080	868,699	1,122,023	644,039	440,213
Average per acre ... dollars	1,972	3,792	3,583	3,388	911	2,682
Estimated market value of all machinery and equipment:						
Average per farm ... dollars	114,383	136,609	103,427	136,771	114,261	57,591
Farms by size:						
1 to 9 acres	4,891	8,603	9,720	8,709	2,123	4,579
10 to 49 acres	7,497	20,592	19,533	17,824	10,041	25,235
50 to 179 acres	5,225	18,410	15,993	24,692	18,992	35,379
180 to 499 acres	3,445	13,116	8,012	22,354	14,108	15,080
500 to 999 acres	1,808	8,309	3,774	11,826	7,932	3,242
1,000 acres or more	2,483	7,830	3,906	7,451	12,335	1,745
Total cropland ... farms	18,782	67,431	51,283	82,785	55,272	72,015
acres	5,918,899	23,707,699	12,716,037	26,316,332	28,216,064	7,278,098
Harvested cropland ... farms	13,975	54,185	41,743	63,672	43,553	57,528
acres	4,225,786	22,611,443	12,108,940	23,799,380	19,886,655	5,057,883
Irrigated land ... farms	16,124	2,388	2,391	1,287	5,957	2,980
acres	3,299,889	474,454	397,113	189,518	2,762,748	58,730
Market value of agricultural products sold (see text) ... $1,000	5,688,765	13,329,107	8,271,291	20,418,096	14,413,182	4,824,561
Average per farm ... dollars	224,418	173,421	135,733	219,890	219,944	56,586
Crops, including nursery and greenhouse crops ... $1,000	2,324,789	10,876,415	5,319,019	10,343,585	4,887,212	1,404,769
Livestock, poultry, and their products ... $1,000	3,363,976	2,452,692	2,952,272	10,074,511	9,525,971	3,419,792
Farms by value of sales:						
Less than $2,500	10,772	26,879	22,470	26,730	22,731	35,800
$2,500 to $4,999	2,192	4,278	4,971	3,986	3,863	9,787
$5,000 to $9,999	2,281	4,877	5,686	5,100	5,198	11,150
$10,000 to $24,999	2,617	5,910	6,325	6,663	7,844	12,642
$25,000 to $49,999	1,666	5,381	4,531	7,514	6,097	6,296
$50,000 to $99,999	1,505	6,245	4,273	9,805	5,609	3,663
$100,000 or more	4,316	23,290	12,682	33,058	14,189	5,922
Government payments ... farms	9,214	56,811	35,864	74,939	44,433	29,511
$1,000	99,494	487,293	260,809	706,286	427,144	103,104
Total income from farm-related sources, gross before taxes and expenses (see text) ... farms	7,717	33,127	21,501	49,954	28,874	27,706
$1,000	177,542	471,212	247,380	771,079	485,896	288,008
Total farm production expenses ... $1,000	4,604,040	9,045,080	6,280,596	15,443,759	12,364,531	3,930,240
Average per farm ... dollars	181,626	117,683	103,065	166,319	188,682	46,097
Net cash farm income of operation (see text) ... farms	25,349	76,860	60,938	92,856	65,531	85,260
$1,000	1,361,761	5,242,533	2,498,884	6,451,702	2,961,691	1,285,433
Average per farm ... dollars	53,720	68,209	41,007	69,481	45,195	15,077
Principal operator by primary occupation:						
Farming ... number	11,579	37,223	25,510	48,637	30,873	33,935
Other ... number	13,770	39,637	35,428	44,219	34,658	51,325
Principal operator by days worked off farm:						
Any ... number	17,179	48,462	40,777	57,167	41,112	56,104
200 days or more ... number	10,332	29,513	27,231	35,969	26,753	35,148
Livestock and poultry:						
Cattle and calves inventory ... farms	10,621	18,397	18,483	29,690	30,017	43,681
number	2,236,147	1,231,105	875,350	3,982,344	6,669,163	2,395,455
Beef cows ... farms	7,365	14,753	12,668	20,809	25,776	38,298
number	476,292	429,111	235,299	904,100	1,516,374	1,166,385
Milk cows ... farms	811	1,217	2,023	2,390	776	2,277
number	536,463	99,677	166,149	215,391	115,634	90,462
Cattle and calves sold ... farms	9,662	16,046	15,088	27,535	27,565	38,212
number	1,829,456	894,593	637,951	3,635,880	8,738,281	1,503,458
Hogs and pigs inventory ... farms	657	2,864	3,420	8,330	1,454	1,498
number	32,794	4,298,716	3,669,057	19,295,092	1,885,252	348,023
Hogs and pigs sold ... farms	728	3,063	3,790	8,758	1,542	1,210
number	65,618	13,196,581	9,523,891	47,279,443	4,712,308	802,782
Sheep and lambs inventory ... farms	1,210	1,886	1,968	3,522	1,166	1,436
number	229,022	52,360	49,021	209,285	84,194	36,996
Layers inventory (see text) ... farms	1,610	2,801	3,583	2,966	2,634	4,129
number	(D)	5,285,583	24,238,513	53,793,712	(D)	4,584,535
Broilers and other meat-type chickens sold ... farms	125	260	399	598	158	647
number	7,937	325,036	37,072,109	10,257,286	26,941	309,769,263
Selected crops harvested:						
Corn for grain ... farms	691	38,260	24,400	50,095	11,236	7,060
acres	104,570	13,096,231	6,362,576	13,842,282	3,680,278	1,313,320
bushels	17,752,526	2,248,664,947	959,947,232	2,292,163,101	500,560,815	166,687,678
Corn for silage or greenchop ... farms	1,115	2,296	2,120	4,967	1,665	2,255
acres	211,748	75,247	105,937	220,646	166,018	86,542
tons	5,695,090	1,351,823	1,956,429	4,138,151	2,988,294	1,189,499
Wheat for grain, all ... farms	2,850	9,416	5,058	577	22,630	1,414
acres	1,191,086	891,567	362,571	29,512	8,527,780	239,267
bushels	84,614,401	47,291,213	19,693,426	1,383,753	270,115,386	11,108,925
Winter wheat for grain ... farms	2,059	9,407	5,058	526	22,630	1,414
acres	729,704	891,399	362,571	27,836	8,527,780	239,267
bushels	52,991,573	47,282,936	19,693,426	1,305,539	270,115,386	11,108,925
Spring wheat for grain ... farms	1,423	12	-	53	-	-
acres	446,897	168	-	1,676	-	-
bushels	30,456,106	8,277	-	78,214	-	-
Durum wheat for grain ... farms	32	-	-	-	-	-
acres	14,485	-	-	-	-	-
bushels	1,166,722	-	-	-	-	-

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Farms ..... number	30,106	8,136	12,834	7,691	56,014	80,992
Land in farms ..... acres	8,109,975	1,347,566	2,051,756	517,879	10,031,807	26,917,962
Average size of farm ..... acres	269	166	160	67	179	332
Median size of farm ..... acres	60	65	52	24	60	148
Estimated market value of land and buildings:						
Average per farm ..... dollars	554,270	364,807	1,124,529	829,090	610,556	853,968
Average per acre ..... dollars	2,058	2,203	7,034	12,313	3,409	2,569
Estimated market value of all machinery and equipment:						
Average per farm ..... dollars	78,998	65,961	98,823	56,373	90,742	131,698
Farms by size:						
1 to 9 acres	3,282	1,046	1,554	2,199	4,219	3,687
10 to 49 acres	10,394	2,383	4,589	2,885	20,726	16,927
50 to 179 acres	8,457	3,019	4,067	1,903	19,206	25,679
180 to 499 acres	4,550	1,178	1,719	586	7,275	20,188
500 to 999 acres	1,501	330	539	90	2,619	8,323
1,000 acres or more	1,922	180	366	28	1,969	6,188
Total cropland ..... farms	19,866	6,557	10,235	5,508	48,592	71,970
acres	4,691,344	529,253	1,405,442	187,406	7,803,643	21,948,603
Harvested cropland ..... farms	13,783	5,189	8,278	4,792	37,868	53,943
acres	3,342,048	393,738	1,246,603	153,993	6,859,081	19,267,018
Irrigated land ..... farms	3,218	901	1,326	1,630	5,078	2,918
acres	954,353	20,994	92,805	23,133	500,428	506,357
Market value of agricultural products sold (see text) $1,000	2,617,981	617,190	1,835,090	489,820	5,753,219	13,180,466
Average per farm ..... dollars	86,959	75,859	142,987	63,687	102,710	162,738
Crops, including nursery and greenhouse crops $1,000	1,604,647	326,573	629,303	364,481	3,329,928	7,048,913
Livestock, poultry, and their products $1,000	1,013,334	290,617	1,205,787	125,338	2,423,291	6,131,554
Farms by value of sales:						
Less than $2,500	14,626	3,924	4,985	3,329	24,150	30,678
$2,500 to $4,999	2,934	838	1,248	839	5,229	4,451
$5,000 to $9,999	3,295	846	1,272	769	5,292	4,795
$10,000 to $24,999	3,167	949	1,469	1,035	6,094	6,677
$25,000 to $49,999	1,771	479	910	518	3,941	5,737
$50,000 to $99,999	1,091	328	691	398	3,342	6,490
$100,000 or more	3,222	772	2,259	803	7,966	22,164
Government payments ..... farms	10,621	1,459	4,588	593	23,239	56,657
$1,000	169,333	8,815	33,386	4,603	118,871	445,861
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	4,951	1,884	4,741	2,087	17,728	44,751
$1,000	93,392	35,359	90,921	63,327	223,607	622,068
Total farm production expenses $1,000	2,118,965	493,693	1,546,646	461,483	4,786,767	10,320,405
Average per farm ..... dollars	70,383	60,680	120,512	60,003	85,457	127,425
Net cash farm income of operation (see text) ..... farms	30,106	8,136	12,834	7,691	56,014	80,992
$1,000	761,740	167,671	412,752	96,266	1,308,930	3,927,990
Average per farm ..... dollars	25,302	20,609	32,161	12,517	23,368	48,498
Principal operator by primary occupation:						
Farming ..... number	12,591	3,540	6,269	3,688	24,795	39,628
Other ..... number	17,515	4,596	6,565	4,003	31,219	41,364
Principal operator by days worked off farm:						
Any ..... number	19,693	5,611	8,286	5,273	35,481	51,380
200 days or more ..... number	11,866	3,222	5,052	3,257	22,413	31,525
Livestock and poultry:						
Cattle and calves inventory ..... farms	14,075	2,112	3,695	1,832	14,454	24,685
number	878,664	88,191	190,504	46,852	1,048,206	2,395,217
Beef cows ..... farms	12,355	1,326	2,526	1,173	7,848	14,410
number	510,837	12,114	44,015	8,646	109,500	399,768
Milk cows ..... farms	298	479	663	310	2,647	5,148
number	28,338	32,527	57,172	15,050	344,233	459,752
Cattle and calves sold ..... farms	10,977	1,447	2,947	1,066	11,631	22,122
number	403,495	27,501	90,130	20,405	603,609	1,586,705
Hogs and pigs inventory ..... farms	718	437	412	453	2,691	4,382
number	10,615	4,401	(D)	11,553	1,032,054	7,652,284
Hogs and pigs sold ..... farms	525	460	454	350	2,930	4,748
number	15,513	7,954	123,734	17,955	3,316,183	22,815,512
Sheep and lambs inventory ..... farms	549	647	804	734	2,409	2,522
number	8,723	10,918	22,143	11,787	81,728	144,557
Layers inventory (see text) ..... farms	1,450	1,346	1,229	1,354	5,247	3,760
number	1,991,941	(D)	2,662,723	139,764	9,034,335	10,596,573
Broilers and other meat-type chickens sold ..... farms	308	180	808	94	725	940
number	187,733,125	19,840	296,373,113	17,330	4,041,902	47,948,383
Selected crops harvested:						
Corn for grain ..... farms	1,331	26	2,803	50	13,768	30,976
acres	722,387	3,272	460,137	2,432	2,350,668	7,801,001
bushels	114,674,506	419,517	45,548,271	372,853	288,066,336	1,138,660,229
Corn for silage or greenchop ..... farms	39	185	898	230	3,352	7,998
acres	4,087	23,516	63,979	13,895	297,381	433,506
tons	69,995	429,432	791,447	275,194	4,350,145	5,791,485
Wheat for grain, all ..... farms	815	13	1,497	7	6,263	6,727
acres	215,177	512	166,713	(D)	523,153	1,718,565
bushels	11,502,018	22,474	10,717,293	(D)	33,583,908	82,488,109
Winter wheat for grain ..... farms	815	6	1,495	7	6,217	683
acres	215,177	129	(D)	(D)	520,601	(D)
bushels	11,502,018	6,994	(D)	(D)	33,481,512	(D)
Spring wheat for grain ..... farms	-	11	2	1	55	6,217
acres	-	383	(D)	(D)	2,552	1,646,309
bushels	-	15,480	(D)	(D)	102,396	79,279,840
Durum wheat for grain ..... farms	-	-	-	-	-	64
acres	-	-	-	-	-	(D)
bushels	-	-	-	-	-	(D)

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Farms ..... number	41,959	107,825	29,524	47,712	3,131	4,166
Land in farms ..... acres	11,456,241	29,026,573	61,388,462	45,480,358	5,865,392	471,911
Average size of farm ..... acres	273	269	2,079	953	1,873	113
Median size of farm ..... acres	100	115	320	320	51	45
Estimated market value of land and buildings:						
Average per farm ..... dollars	510,454	586,478	1,611,155	1,104,392	1,148,693	558,385
Average per acre ..... dollars	1,870	2,179	775	1,159	613	4,929
Estimated market value of all machinery and equipment:						
Average per farm ..... dollars	73,558	68,171	103,494	157,427	111,799	58,413
Farms by size:						
1 to 9 acres	2,056	3,868	1,917	2,270	631	754
10 to 49 acres	10,234	25,186	5,462	6,581	898	1,405
50 to 179 acres	16,519	40,246	4,971	10,104	571	1,304
180 to 499 acres	8,623	24,537	4,464	9,838	367	546
500 to 999 acres	2,283	8,180	2,919	7,717	217	119
1,000 acres or more	2,244	5,808	9,791	11,202	447	38
Total cropland ..... farms	27,349	86,299	21,809	40,798	2,060	2,929
acres	5,530,825	16,405,595	18,241,710	21,486,025	753,718	128,938
Harvested cropland ..... farms	18,773	69,585	16,441	34,715	1,572	2,494
acres	4,223,708	12,980,113	9,163,867	18,169,876	504,311	99,520
Irrigated land ..... farms	2,284	3,613	10,457	17,128	2,054	505
acres	1,368,661	1,199,981	2,013,167	8,558,559	691,030	2,482
Market value of agricultural products sold (see text) $1,000	4,876,781	7,512,926	2,803,062	15,506,035	513,269	199,051
Average per farm ..... dollars	116,227	69,677	94,942	324,992	163,931	47,780
Crops, including nursery and greenhouse crops $1,000	1,668,028	3,494,938	1,273,721	6,843,325	219,341	106,467
Livestock, poultry, and their products $1,000	3,208,753	4,017,988	1,529,340	8,662,710	293,928	92,584
Farms by value of sales:						
Less than $2,500	22,205	39,479	11,977	11,042	1,184	2,068
$2,500 to $4,999	3,659	10,172	1,784	1,792	269	466
$5,000 to $9,999	4,029	12,872	1,934	2,186	333	469
$10,000 to $24,999	4,520	16,261	2,770	3,878	334	466
$25,000 to $49,999	1,930	10,563	2,215	3,977	217	263
$50,000 to $99,999	1,070	6,634	2,464	5,261	179	148
$100,000 or more	4,546	11,844	6,380	19,576	615	286
Government payments ..... farms	17,187	45,102	13,080	34,924	331	423
$1,000	231,382	319,519	221,977	387,340	4,007	2,474
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	9,672	32,143	11,344	26,568	551	1,063
$1,000	152,976	262,604	201,752	398,814	10,383	20,988
Total farm production expenses $1,000	4,288,729	6,135,205	2,399,635	12,325,329	401,986	195,791
Average per farm ..... dollars	102,212	56,900	81,277	258,328	128,389	46,997
Net cash farm income of operation (see text) ..... farms	41,959	107,825	29,524	47,712	3,131	4,166
$1,000	972,410	1,959,854	827,156	3,966,860	125,672	26,721
Average per farm ..... dollars	23,175	18,176	28,016	83,142	40,138	6,414
Principal operator by primary occupation:						
Farming ..... number	15,935	45,031	14,957	28,854	1,650	1,930
Other ..... number	26,024	62,794	14,567	18,858	1,481	2,236
Principal operator by days worked off farm:						
Any ..... number	26,821	70,380	17,778	27,765	1,997	2,909
200 days or more ..... number	16,334	45,621	10,150	17,159	1,167	1,706
Livestock and poultry:						
Cattle and calves inventory ..... farms	17,752	58,645	12,341	21,424	1,513	1,027
number	987,342	4,292,702	2,589,679	6,576,950	441,629	36,880
Beef cows ..... farms	15,910	51,289	11,162	18,233	1,275	642
number	521,517	2,089,181	1,522,187	1,889,842	238,662	4,981
Milk cows ..... farms	177	2,621	385	493	56	225
number	22,560	110,358	17,458	54,410	27,660	14,611
Cattle and calves sold ..... farms	14,535	52,060	11,526	20,218	1,260	599
number	530,495	2,462,198	1,842,159	7,620,019	280,998	12,350
Hogs and pigs inventory ..... farms	683	2,999	483	2,213	91	266
number	337,244	3,101,469	181,602	3,268,544	2,949	2,792
Hogs and pigs sold ..... farms	439	2,971	565	2,482	70	298
number	1,294,545	9,073,468	334,101	10,880,337	(D)	4,901
Sheep and lambs inventory ..... farms	380	2,247	1,493	1,287	250	531
number	8,414	77,082	272,012	76,397	68,581	7,671
Layers inventory (see text) ..... farms	1,925	6,099	1,650	1,960	312	912
number	6,236,952	7,249,420	355,226	10,487,473	5,852	210,380
Broilers and other meat-type chickens sold ..... farms	1,453	644	87	206	4	83
number	823,427,574	279,937,641	119,677	4,893,959	(D)	(D)
Selected crops harvested:						
Corn for grain ..... farms	2,091	15,375	297	22,812	10	13
acres	873,618	3,256,195	38,002	9,192,656	473	226
bushels	127,841,765	439,417,160	5,147,840	1,426,459,812	73,176	27,547
Corn for silage or greenchop ..... farms	126	1,704	383	2,671	36	135
acres	11,900	69,353	45,172	185,584	5,451	12,640
tons	152,082	1,041,591	974,410	3,171,470	134,522	262,867
Wheat for grain, all ..... farms	1,006	7,640	5,460	8,037	42	1
acres	331,767	881,227	5,059,916	1,964,302	12,826	(D)
bushels	18,175,120	36,293,751	147,533,888	81,748,076	1,279,268	(D)
Winter wheat for grain ..... farms	1,006	7,640	3,000	7,895	37	1
acres	331,767	881,227	2,194,539	1,955,736	11,838	(D)
bushels	18,175,120	36,293,751	81,551,235	81,449,590	1,190,936	(D)
Spring wheat for grain ..... farms	-	-	3,621	164	8	-
acres	-	-	2,393,672	8,566	988	-
bushels	-	-	54,347,900	298,486	88,332	-
Durum wheat for grain ..... farms	-	-	641	-	-	-
acres	-	-	471,705	-	-	-
bushels	-	-	11,634,753	-	-	-

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Farms ..... number	10,327	20,930	36,352	52,913	31,970	75,861
Land in farms ..... acres	733,450	43,238,049	7,174,743	8,474,671	39,674,586	13,956,563
Average size of farm ..... acres	71	2,066	197	160	1,241	184
Median size of farm ..... acres	17	40	95	50	550	66
Estimated market value of land and buildings:						
Average per farm ..... dollars	1,089,883	696,081	449,010	656,080	957,053	649,130
Average per acre ..... dollars	15,346	337	2,275	4,096	771	3,528
Estimated market value of all machinery and equipment:						
Average per farm ..... dollars	68,374	55,457	97,550	76,793	174,683	88,352
Farms by size:						
1 to 9 acres	2,950	6,471	2,914	5,001	387	7,767
10 to 49 acres	4,814	4,405	8,799	20,772	2,268	24,361
50 to 179 acres	1,675	3,072	13,847	17,830	6,068	25,809
180 to 499 acres	589	2,141	7,739	5,786	6,710	11,190
500 to 999 acres	191	1,286	2,014	1,862	4,687	4,020
1,000 acres or more	108	3,555	1,039	1,662	11,850	2,714
Total cropland ..... farms	8,138	13,191	31,083	39,879	29,378	64,775
acres	488,697	2,334,018	4,314,954	4,895,204	27,527,180	10,832,772
Harvested cropland ..... farms	7,180	9,311	26,814	32,803	20,408	54,790
acres	415,542	1,009,683	3,651,278	4,188,658	22,035,717	9,991,007
Irrigated land ..... farms	2,055	10,167	3,036	5,788	795	2,402
acres	95,277	830,048	68,010	232,075	236,138	37,959
Market value of agricultural products sold (see text) $1,000	986,885	2,175,080	4,418,634	10,313,628	6,084,218	7,070,212
Average per farm ..... dollars	95,564	103,922	121,551	194,917	190,310	93,200
Crops, including nursery and greenhouse crops $1,000	851,653	553,140	1,561,927	2,606,279	5,038,521	4,109,722
Livestock, poultry, and their products $1,000	135,233	1,621,940	2,856,706	7,707,350	1,045,697	2,960,490
Farms by value of sales:						
Less than $2,500	4,948	10,496	13,004	22,608	11,386	27,556
$2,500 to $4,999	999	2,520	3,075	5,863	868	7,357
$5,000 to $9,999	1,007	2,252	3,770	5,805	1,215	7,793
$10,000 to $24,999	1,108	2,064	4,706	5,828	1,967	9,045
$25,000 to $49,999	656	1,065	2,694	2,765	2,163	6,501
$50,000 to $99,999	462	844	2,253	1,718	2,891	5,565
$100,000 or more	1,147	1,689	6,850	8,326	11,480	12,044
Government payments ..... farms	857	3,329	10,596	13,856	26,708	38,069
$1,000	6,988	43,377	62,652	147,334	359,532	232,184
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	3,337	3,170	13,891	15,622	20,204	26,316
$1,000	92,697	53,501	204,670	257,582	385,147	237,920
Total farm production expenses $1,000	835,211	1,904,465	3,503,312	8,309,765	4,239,872	5,459,960
Average per farm ..... dollars	80,876	90,992	96,372	157,046	132,620	71,973
Net cash farm income of operation (see text) ..... farms	10,327	20,930	36,352	52,913	31,970	75,861
$1,000	251,360	367,493	1,182,644	2,409,247	2,589,025	2,080,357
Average per farm ..... dollars	24,340	17,558	32,533	45,532	80,983	27,423
Principal operator by primary occupation:						
Farming ..... number	4,626	10,040	19,624	24,244	18,525	32,676
Other ..... number	5,701	10,890	16,728	28,669	13,445	43,185
Principal operator by days worked off farm:						
Any ..... number	7,119	13,449	22,070	33,311	16,679	50,887
200 days or more ..... number	4,107	7,230	13,640	20,711	9,712	33,448
Livestock and poultry:						
Cattle and calves inventory ..... farms	1,435	9,508	13,589	19,229	10,508	26,105
number	38,198	1,525,976	1,443,297	820,182	1,811,523	1,272,402
Beef cows ..... farms	932	8,208	6,803	14,895	9,667	17,398
number	9,298	530,173	103,620	373,024	930,023	293,757
Milk cows ..... farms	152	272	5,683	463	402	3,650
number	9,790	326,400	626,455	47,589	26,479	271,938
Cattle and calves sold ..... farms	1,136	7,021	10,898	15,953	10,025	21,438
number	13,955	952,841	583,468	463,680	1,109,460	793,955
Hogs and pigs inventory ..... farms	271	395	1,871	2,836	350	3,718
number	8,551	1,972	85,741	10,134,004	181,679	1,831,084
Hogs and pigs sold ..... farms	381	351	1,817	2,459	351	4,505
number	23,420	3,792	322,396	43,241,680	675,808	5,881,107
Sheep and lambs inventory ..... farms	1,018	2,896	1,799	1,275	678	3,409
number	14,835	126,928	63,182	27,714	88,686	123,161
Layers inventory (see text) ..... farms	1,367	1,571	4,006	3,736	516	5,255
number	1,560,177	(D)	3,952,975	12,748,275	109,344	27,070,109
Broilers and other meat-type chickens sold ..... farms	128	24	452	1,948	75	791
number	119,175	(D)	1,779,733	781,416,896	14,442	49,656,074
Selected crops harvested:						
Corn for grain ..... farms	731	122	4,243	6,324	5,809	24,436
acres	81,556	53,851	551,629	965,426	2,348,171	3,606,246
bushels	10,137,862	9,626,854	71,454,280	98,245,673	275,329,681	526,601,789
Corn for silage or greenchop ..... farms	234	285	5,278	733	1,707	3,928
acres	11,528	79,141	507,568	56,886	180,634	182,935
tons	164,400	1,937,769	8,640,006	631,752	1,965,111	3,191,893
Wheat for grain, all ..... farms	318	535	1,058	3,184	12,303	11,485
acres	27,991	302,958	84,955	511,713	8,428,462	732,106
bushels	1,426,039	8,236,505	4,544,032	19,917,842	293,464,779	42,997,358
Winter wheat for grain ..... farms	318	520	1,012	3,184	1,434	11,485
acres	27,991	300,539	82,172	511,713	446,115	732,106
bushels	1,426,039	8,098,467	4,422,712	19,917,842	21,336,301	42,997,358
Spring wheat for grain ..... farms	-	13	76	-	10,670	-
acres	-	(D)	2,783	-	6,519,681	-
bushels	-	(D)	121,320	-	229,438,870	-
Durum wheat for grain ..... farms	-	2	-	-	2,487	-
acres	-	(D)	-	-	1,462,666	-
bushels	-	(D)	-	-	42,689,608	-

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Farms ..... number	86,565	38,553	63,163	1,219	25,867
Land in farms ..... acres	35,087,269	16,399,647	7,809,244	67,819	4,889,339
Average size of farm ..... acres	405	425	124	56	189
Median size of farm ..... acres	137	29	65	24	64
Estimated market value of land and buildings:					
Average per farm ..... dollars	468,809	804,145	590,376	936,229	540,200
Average per acre ..... dollars	1,157	1,890	4,775	16,828	2,858
Estimated market value of all machinery and equipment:					
Average per farm ..... dollars	63,642	79,175	72,988	65,343	64,977
Farms by size:					
1 to 9 acres	3,802	9,546	5,601	353	1,970
10 to 49 acres	18,700	14,142	20,267	484	8,959
50 to 179 acres	29,719	7,430	26,049	308	9,033
180 to 499 acres	19,140	3,340	8,799	67	3,981
500 to 999 acres	7,484	1,531	1,816	5	1,059
1,000 acres or more	7,720	2,564	631	2	865
Total cropland ..... farms	59,040	26,650	54,772	926	18,534
acres	13,007,625	5,010,408	4,870,287	24,457	2,151,219
Harvested cropland ..... farms	46,224	22,131	44,269	823	12,962
acres	7,650,080	3,037,261	3,942,079	19,325	1,551,670
Irrigated land ..... farms	3,026	16,792	3,958	313	2,030
acres	534,768	1,845,194	37,786	4,306	132,439
Market value of agricultural products sold (see text) $1,000	5,806,061	4,386,143	5,808,803	65,908	2,352,681
Average per farm ..... dollars	67,072	113,769	91,965	54,067	90,953
Crops, including nursery and greenhouse crops $1,000	1,187,625	2,976,087	1,869,706	55,602	798,490
Livestock, poultry, and their products $1,000	4,618,436	1,410,055	3,939,097	10,306	1,554,190
Farms by value of sales:					
Less than $2,500	34,669	17,450	27,495	487	14,336
$2,500 to $4,999	9,059	4,651	5,609	140	2,609
$5,000 to $9,999	10,731	3,934	5,746	147	2,875
$10,000 to $24,999	13,494	3,730	6,488	179	2,289
$25,000 to $49,999	6,886	2,272	4,103	93	1,289
$50,000 to $99,999	4,563	1,838	3,067	56	664
$100,000 or more	7,163	4,678	10,655	117	1,805
Government payments ..... farms	27,015	5,115	17,441	101	7,715
$1,000	209,465	76,491	75,975	743	67,253
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	17,270	10,529	17,846	261	5,458
$1,000	236,684	175,953	197,047	5,333	101,271
Total farm production expenses $1,000	5,223,365	3,734,859	4,909,109	65,062	2,012,179
Average per farm ..... dollars	60,340	96,876	77,721	53,373	77,789
Net cash farm income of operation (see text) ..... farms	86,565	38,553	63,163	1,219	25,867
$1,000	1,028,845	903,728	1,172,716	6,921	509,026
Average per farm ..... dollars	11,885	23,441	18,567	5,678	19,679
Principal operator by primary occupation:					
Farming ..... number	36,052	17,825	28,751	621	9,739
Other ..... number	50,513	20,728	34,412	598	16,128
Principal operator by days worked off farm:					
Any ..... number	56,815	25,359	40,230	823	16,801
200 days or more ..... number	37,167	14,655	24,880	500	10,239
Livestock and poultry:					
Cattle and calves inventory ..... farms	55,105	16,062	25,975	276	8,835
number	5,391,337	1,389,189	1,609,147	5,085	400,996
Beef cows ..... farms	47,059	12,876	12,253	227	8,177
number	2,063,613	604,069	158,430	1,800	230,419
Milk cows ..... farms	981	596	8,333	39	106
number	66,023	116,788	553,321	1,325	17,830
Cattle and calves sold ..... farms	45,512	13,077	19,784	148	6,782
number	3,895,053	1,020,380	810,533	1,629	187,787
Hogs and pigs inventory ..... farms	2,702	1,283	3,637	103	812
number	2,398,372	21,125	1,167,449	2,316	293,793
Hogs and pigs sold ..... farms	2,274	1,466	3,440	81	700
number	9,010,682	(D)	4,198,235	4,526	1,091,982
Sheep and lambs inventory ..... farms	1,939	3,209	3,672	107	367
number	76,243	217,401	96,883	1,459	7,852
Layers inventory (see text) ..... farms	5,235	4,386	7,604	154	1,756
number	3,323,802	2,736,464	21,982,408	45,825	4,714,337
Broilers and other meat-type chickens sold ..... farms	636	270	1,139	12	453
number	242,228,335	24,625,417	150,102,682	(D)	236,209,584
Selected crops harvested:					
Corn for grain ..... farms	913	248	16,030	4	2,601
acres	270,838	35,271	980,753	41	372,558
bushels	38,603,555	7,008,419	118,964,770	3,207	35,122,617
Corn for silage or greenchop ..... farms	185	247	10,230	39	121
acres	30,163	25,386	429,139	1,653	13,392
tons	567,496	633,222	7,057,789	32,886	184,659
Wheat for grain, all ..... farms	8,744	1,406	4,577	-	726
acres	3,421,098	855,052	152,528	-	136,766
bushels	89,968,524	43,969,219	8,949,116	-	3,986,026
Winter wheat for grain ..... farms	8,744	1,151	4,577	-	726
acres	3,421,098	736,558	152,528	-	136,766
bushels	89,968,524	38,177,598	8,949,116	-	3,986,026
Spring wheat for grain ..... farms	-	525	-	-	-
acres	-	118,329	-	-	-
bushels	-	5,778,241	-	-	-
Durum wheat for grain ..... farms	-	5	-	-	-
acres	-	165	-	-	-
bushels	-	13,380	-	-	-

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Farms ..... number	31,169	79,280	247,437	16,700	6,984
Land in farms ..... acres	43,666,403	10,969,798	130,398,753	11,094,700	1,233,313
Average size of farm ..... acres	1,401	138	527	664	177
Median size of farm ..... acres	425	58	87	36	90
Estimated market value of land and buildings:					
Average per farm ..... dollars	1,255,332	467,420	669,154	829,816	512,684
Average per acre ..... dollars	896	3,378	1,270	1,249	2,903
Estimated market value of all machinery and equipment:					
Average per farm ..... dollars	155,652	58,882	64,350	75,365	74,500
Farms by size:					
1 to 9 acres	920	5,814	21,024	4,194	635
10 to 49 acres	3,898	29,396	72,837	5,127	1,862
50 to 179 acres	5,909	29,588	71,264	3,354	2,396
180 to 499 acres	5,874	10,847	42,131	1,824	1,557
500 to 999 acres	4,714	2,287	17,843	895	390
1,000 acres or more	9,854	1,348	22,338	1,306	144
Total cropland ..... farms	26,625	61,274	153,276	12,398	5,439
acres	19,094,311	6,047,348	33,667,177	1,837,904	516,924
Harvested cropland ..... farms	21,902	48,292	111,671	10,259	4,707
acres	15,278,709	4,226,440	19,174,301	964,702	433,074
Irrigated land ..... farms	1,627	2,453	19,713	12,492	523
acres	373,842	81,405	5,010,416	1,134,144	2,295
Market value of agricultural products sold (see text) $1,000	6,570,450	2,617,394	21,001,074	1,415,678	673,713
Average per farm ..... dollars	210,801	33,015	84,874	84,771	96,465
Crops, including nursery and greenhouse crops $1,000	3,383,497	1,147,786	6,565,576	372,396	99,262
Livestock, poultry, and their products $1,000	3,186,953	1,469,608	14,435,499	1,043,281	574,451
Farms by value of sales:					
Less than $2,500	8,277	38,522	116,887	7,059	2,581
$2,500 to $4,999	1,077	9,539	28,630	1,857	695
$5,000 to $9,999	1,433	11,217	30,256	1,951	841
$10,000 to $24,999	2,515	9,488	30,100	1,994	902
$25,000 to $49,999	2,515	4,712	15,210	1,363	497
$50,000 to $99,999	3,409	2,001	8,774	860	390
$100,000 or more	11,943	3,801	17,580	1,616	1,078
Government payments ..... farms	22,911	17,320	48,027	2,960	1,351
$1,000	270,748	95,744	720,903	22,759	6,773
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	18,707	22,015	43,311	3,541	2,433
$1,000	365,971	151,481	668,236	36,546	28,764
Total farm production expenses $1,000	4,989,172	2,620,841	19,223,099	1,215,579	549,904
Average per farm ..... dollars	160,068	33,058	77,689	72,789	78,738
Net cash farm income of operation (see text) ..... farms	31,169	79,280	247,437	16,700	6,984
$1,000	2,217,996	243,778	3,167,114	259,403	159,346
Average per farm ..... dollars	71,160	3,075	12,800	15,533	22,816
Principal operator by primary occupation:					
Farming ..... number	18,775	30,849	98,692	6,340	3,461
Other ..... number	12,394	48,431	148,745	10,360	3,523
Principal operator by days worked off farm:					
Any ..... number	17,490	52,981	170,322	11,731	4,661
200 days or more ..... number	10,335	32,834	97,523	7,188	2,587
Livestock and poultry:					
Cattle and calves inventory ..... farms	15,667	46,719	152,102	7,581	2,459
number	3,687,728	2,122,018	13,709,543	843,474	264,823
Beef cows ..... farms	13,802	42,344	131,769	5,589	1,048
number	1,649,492	1,179,102	5,259,843	364,744	10,002
Milk cows ..... farms	656	1,230	1,293	450	1,219
number	86,243	61,131	404,399	85,262	139,719
Cattle and calves sold ..... farms	15,171	38,961	116,626	6,257	1,937
number	2,745,227	1,095,372	11,841,250	519,155	107,049
Hogs and pigs inventory ..... farms	959	1,566	4,471	611	249
number	1,490,034	138,207	1,155,790	760,035	2,701
Hogs and pigs sold ..... farms	1,042	1,160	4,053	630	239
number	4,487,708	470,213	2,794,334	2,050,082	4,968
Sheep and lambs inventory ..... farms	1,669	1,261	8,750	1,615	626
number	335,897	29,751	945,164	277,635	13,925
Layers inventory (see text) ..... farms	915	5,176	14,562	1,310	1,068
number	2,920,799	1,713,388	19,116,712	3,584,791	223,605
Broilers and other meat-type chickens sold ..... farms	85	670	1,277	39	133
number	272,986	206,132,684	616,299,999	1,165	(D)
Selected crops harvested:					
Corn for grain ..... farms	12,198	4,653	4,543	331	71
acres	4,455,368	780,608	1,963,640	21,367	5,368
bushels	518,552,101	83,636,352	286,386,341	3,249,594	773,897
Corn for silage or greenchop ..... farms	3,928	884	560	573	674
acres	383,599	52,565	151,091	45,375	87,403
tons	4,358,190	577,940	3,417,965	969,548	1,658,746
Wheat for grain, all ..... farms	7,163	1,358	8,565	602	9
acres	3,341,778	254,944	3,844,241	137,404	379
bushels	141,003,068	10,445,442	134,643,897	5,771,071	13,722
Winter wheat for grain ..... farms	4,461	1,358	8,493	546	5
acres	1,995,368	254,944	3,825,581	129,946	(D)
bushels	89,916,077	10,445,442	134,070,553	5,386,467	(D)
Spring wheat for grain ..... farms	4,000	-	78	86	6
acres	1,339,007	-	18,660	7,458	(D)
bushels	50,902,643	-	573,344	384,604	(D)
Durum wheat for grain ..... farms	24	-	-	-	-
acres	7,403	-	-	-	-
bushels	184,348	-	-	-	-

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Farms ..... number	47,383	39,284	23,618	78,463	11,069
Land in farms ..... acres	8,103,925	14,972,789	3,697,606	15,190,804	30,169,526
Average size of farm ..... acres	171	381	157	194	2,726
Median size of farm ..... acres	70	30	90	95	230
Estimated market value of land and buildings:					
Average per farm ..... dollars	720,538	759,146	373,435	624,428	1,397,691
Average per acre ..... dollars	4,213	1,992	2,385	3,225	513
Estimated market value of all machinery and equipment:					
Average per farm ..... dollars	65,870	83,468	38,871	96,278	97,356
Farms by size:					
1 to 9 acres	3,530	9,211	1,207	4,861	652
10 to 49 acres	15,177	14,790	5,749	19,895	2,004
50 to 179 acres	17,589	7,307	10,739	29,765	2,461
180 to 499 acres	7,777	3,479	4,681	17,837	1,712
500 to 999 acres	1,985	1,731	908	4,149	1,107
1,000 acres or more	1,325	2,766	334	1,956	3,133
Total cropland ..... farms	35,954	26,005	19,446	68,478	6,838
acres	3,274,137	7,609,210	942,132	10,116,279	2,576,017
Harvested cropland ..... farms	30,563	20,091	17,494	54,105	5,573
acres	2,544,997	4,387,169	692,003	8,884,628	1,536,240
Irrigated land ..... farms	2,347	15,492	457	2,907	5,793
acres	82,187	1,735,917	2,189	377,291	1,550,723
Market value of agricultural products sold (see text) $1,000	2,906,188	6,792,856	591,665	8,967,358	1,157,535
Average per farm ..... dollars	61,334	172,917	25,051	114,288	104,575
Crops, including nursery and greenhouse crops $1,000	858,301	4,754,898	78,308	2,669,326	213,808
Livestock, poultry, and their products $1,000	2,047,887	2,037,958	513,357	6,298,032	943,728
Farms by value of sales:					
Less than $2,500	20,191	18,443	12,433	30,296	3,920
$2,500 to $4,999	5,391	3,817	3,531	5,955	918
$5,000 to $9,999	6,191	3,717	2,913	6,732	947
$10,000 to $24,999	6,597	3,423	2,538	7,732	1,261
$25,000 to $49,999	3,399	2,190	1,033	5,704	922
$50,000 to $99,999	1,886	1,729	421	5,397	975
$100,000 or more	3,728	5,965	749	16,647	2,126
Government payments ..... farms	9,852	6,899	2,173	47,477	2,790
$1,000	54,940	138,272	2,929	195,787	28,157
Total income from farm-related sources, gross before taxes and expenses (see text) ..... farms	14,910	10,733	4,004	39,314	3,850
$1,000	170,355	244,801	22,280	324,614	60,157
Total farm production expenses $1,000	2,711,537	5,390,313	545,855	6,748,715	970,138
Average per farm ..... dollars	57,226	137,214	23,112	86,011	87,645
Net cash farm income of operation (see text) ..... farms	47,383	39,284	23,618	78,463	11,069
$1,000	419,946	1,785,615	71,019	2,739,043	275,712
Average per farm ..... dollars	8,863	45,454	3,007	34,909	24,909
Principal operator by primary occupation:					
Farming ..... number	20,294	18,021	9,799	37,047	5,445
Other ..... number	27,089	21,263	13,819	41,416	5,624
Principal operator by days worked off farm:					
Any ..... number	30,998	25,583	15,544	47,971	7,220
200 days or more ..... number	19,236	15,396	9,948	31,654	4,371
Livestock and poultry:					
Cattle and calves inventory ..... farms	25,957	12,731	12,792	35,125	5,625
number	1,566,217	1,088,846	411,028	3,373,923	1,311,799
Beef cows ..... farms	21,907	10,065	10,653	14,775	4,870
number	695,061	274,001	203,711	269,820	732,141
Milk cows ..... farms	1,154	817	370	14,158	122
number	98,917	243,132	11,744	1,249,309	6,644
Cattle and calves sold ..... farms	21,884	9,521	10,474	30,193	4,880
number	880,607	912,299	249,845	1,513,662	1,036,661
Hogs and pigs inventory ..... farms	1,240	1,463	955	3,188	272
number	371,176	28,545	8,948	436,814	107,180
Hogs and pigs sold ..... farms	964	1,596	1,042	3,516	368
number	965,117	58,917	19,588	1,085,793	330,377
Sheep and lambs inventory ..... farms	2,132	2,366	1,259	2,816	902
number	77,648	53,220	38,338	89,575	412,804
Layers inventory (see text) ..... farms	3,464	4,878	2,580	7,211	776
number	3,208,912	5,785,648	1,220,280	4,873,675	16,238
Broilers and other meat-type chickens sold ..... farms	672	307	216	1,238	41
number	249,184,367	31,669,170	88,778,413	46,804,252	1,890
Selected crops harvested:					
Corn for grain ..... farms	3,063	550	686	27,505	344
acres	401,070	118,665	26,618	3,250,847	54,567
bushels	34,811,582	24,553,928	2,916,834	437,174,706	6,858,369
Corn for silage or greenchop ..... farms	2,013	537	550	15,338	265
acres	126,295	83,353	19,408	732,636	32,146
tons	1,717,974	2,129,010	272,039	11,645,140	646,760
Wheat for grain, all ..... farms	1,348	2,612	122	5,422	347
acres	200,342	2,096,350	5,960	280,464	127,051
bushels	12,345,217	120,617,390	336,553	18,789,893	2,978,072
Winter wheat for grain ..... farms	1,348	2,303	122	5,257	314
acres	200,342	1,652,961	5,960	272,964	120,970
bushels	12,345,217	100,463,766	336,553	18,539,559	2,809,154
Spring wheat for grain ..... farms	-	1,232	-	202	37
acres	-	441,596	-	7,500	6,081
bushels	-	20,014,978	-	250,334	168,918
Durum wheat for grain ..... farms	-	9	-	-	-
acres	-	1,793	-	-	-
bushels	-	138,646	-	-	-

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Selected crops harvested - Con.						
Oats for grain ..... farms	42,558	238	8	18	57	299
acres	1,509,149	16,111	1,017	1,090	6,431	25,993
bushels	89,508,669	905,087	49,230	87,980	601,737	2,595,144
Barley for grain ..... farms	19,848	-	22	113	-	161
acres	3,521,957	-	4,322	31,129	-	44,125
bushels	207,089,232	-	167,170	3,396,006	-	2,872,476
Sorghum for grain ..... farms	26,242	78	-	79	697	58
acres	6,769,834	5,827	-	19,703	216,432	10,909
bushels	482,452,865	215,276	-	1,696,731	20,761,820	909,160
Sorghum for silage or greenchop ..... farms	5,625	30	-	68	34	195
acres	450,041	1,701	-	20,969	2,073	30,085
tons	5,763,450	17,075	-	396,620	27,488	536,162
Soybeans for beans ..... farms	279,110	875	-	-	4,610	-
acres	63,915,821	179,673	-	-	2,819,478	-
bushels	2,582,423,697	3,660,854	-	-	98,903,025	-
Dry edible beans, excluding limas ..... farms	6,236	-	-	46	-	239
acres	1,455,549	-	-	5,849	-	34,002
cwt	25,353,900	-	-	102,603	-	709,841
Cotton, all ..... farms	18,605	917	-	301	915	855
acres	10,493,238	382,566	-	171,300	854,410	471,378
bales	18,898,128	407,598	-	513,758	1,902,073	1,418,751
Upland cotton ..... farms	18,286	917	-	298	915	588
acres	10,202,566	382,566	-	168,798	854,410	211,990
bales	18,098,998	407,598	-	509,156	1,902,073	677,794
Pima cotton ..... farms	551	-	-	13	-	424
acres	290,672	-	-	2,502	-	259,388
bales	799,130	-	-	4,602	-	740,957
Tobacco ..... farms	16,234	-	-	-	-	-
acres	359,846	-	-	-	-	-
pounds	778,301,825	-	-	-	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	869,534	18,735	243	1,176	22,939	7,411
acres	61,455,483	883,196	23,315	309,018	1,334,153	1,723,147
tons, dry	155,393,762	1,641,373	33,336	2,215,580	2,966,184	10,642,531
Rice ..... farms	6,084	-	-	-	2,752	1,304
acres	2,758,792	-	-	-	1,326,377	531,075
cwt	198,538,690	-	-	-	96,033,069	43,018,947
Sunflower seed, all ..... farms	6,403	7	-	-	1	111
acres	2,000,153	19	-	-	(D)	27,913
pounds	2,820,962,445	13,720	-	-	(D)	29,776,645
Sugarbeets for sugar ..... farms	4,022	-	-	-	-	155
acres	1,253,817	-	-	-	-	42,984
tons	31,937,325	-	-	-	-	1,539,394
Sugarcane for sugar ..... farms	692	-	-	-	-	-
acres	846,666	-	-	-	-	-
tons	31,127,405	-	-	-	-	-
Pineapples harvested ..... farms	42	-	-	-	-	-
acres	(D)	-	-	-	-	-
tons	(D)	-	-	-	-	-
Peanuts for nuts ..... farms	6,182	704	-	1	1	11
acres	1,200,564	158,424	-	(D)	(D)	14
pounds	3,703,138,887	396,914,610	-	(D)	(D)	28,000
Vegetables harvested for sale (see text) ..... farms	69,172	1,603	96	2,565	804	3,868
acres	4,682,588	18,868	1,184	137,574	14,146	1,169,786
Potatoes ..... farms	15,014	267	65	123	168	224
acres	1,131,963	1,082	855	3,972	76	37,858
Sweet potatoes ..... farms	1,910	83	-	1	53	92
acres	105,284	2,297	-	(D)	3,125	13,644
Land in orchards ..... farms	115,935	1,897	10	1,527	666	39,484
acres	5,039,476	22,122	18	37,200	13,932	2,826,291

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Selected crops harvested - Con.						
Oats for grain ..... farms	165	2	9	49	476	-
acres	9,921	(D)	142	3,222	28,770	-
bushels	531,736	(D)	(D)	200,966	1,535,663	-
Barley for grain ..... farms	331	-	137	-	13	-
acres	59,667	-	20,106	-	537	-
bushels	7,179,416	-	1,588,749	-	30,326	-
Sorghum for grain ..... farms	380	-	10	21	428	-
acres	153,196	-	327	1,331	44,694	-
bushels	5,750,890	-	17,927	68,866	1,935,793	-
Sorghum for silage or greenchop ..... farms	105	5	1	35	106	-
acres	13,128	77	(D)	4,290	9,982	-
tons	167,647	(D)	(D)	48,495	119,277	-
Soybeans for beans ..... farms	34	6	817	101	1,617	-
acres	2,948	294	155,548	12,066	280,220	-
bushels	148,420	13,365	3,990,694	291,981	7,970,113	-
Dry edible beans, excluding limas ..... farms	281	3	-	-	-	-
acres	46,629	3	-	-	-	-
cwt	785,848	90	-	-	-	-
Cotton, all ..... farms	-	-	-	213	2,577	-
acres	-	-	-	80,053	996,427	-
bales	-	-	-	109,206	1,628,260	-
Upland cotton ..... farms	-	-	-	213	2,577	-
acres	-	-	-	80,053	996,427	-
bales	-	-	-	109,206	1,628,260	-
Pima cotton ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
bales	-	-	-	-	-	-
Tobacco ..... farms	-	76	-	23	224	-
acres	-	3,128	-	1,040	17,989	-
pounds	-	5,293,517	-	3,061,788	39,810,076	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	13,998	2,060	430	5,755	14,556	30
acres	1,621,178	81,269	14,211	354,860	663,750	1,000
tons, dry	4,256,940	176,786	37,989	1,120,290	1,380,403	2,215
Rice ..... farms	-	-	-	7	-	-
acres	-	-	-	11,376	-	-
cwt	-	-	-	975,319	-	-
Sunflower seed, all ..... farms	282	-	3	-	35	-
acres	112,991	-	(D)	-	2,150	-
pounds	124,244,896	-	(D)	-	(D)	-
Sugarbeets for sugar ..... farms	226	-	-	-	-	-
acres	29,235	-	-	-	-	-
tons	764,791	-	-	-	-	-
Sugarcane for sugar ..... farms	-	-	-	108	-	9
acres	-	-	-	378,587	-	(D)
tons	-	-	-	14,127,121	-	(D)
Pineapples harvested ..... farms	-	-	-	-	-	42
acres	-	-	-	-	-	(D)
tons	-	-	-	-	-	(D)
Peanuts for nuts ..... farms	-	-	-	423	2,762	-
acres	-	-	-	118,637	518,719	-
pounds	-	-	-	341,137,148	1,634,837,229	-
Vegetables harvested for sale (see text) ..... farms	708	735	233	1,493	1,445	901
acres	97,251	10,514	40,088	265,835	128,720	6,845
Potatoes ..... farms	248	133	21	181	122	15
acres	62,694	100	2,402	26,526	380	7
Sweet potatoes ..... farms	1	3	10	31	69	94
acres	(D)	(D)	10	2,859	573	297
Land in orchards ..... farms	877	338	32	8,993	3,745	4,443
acres	6,986	3,672	524	677,403	129,921	36,652

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Selected crops harvested - Con.							
Oats for grain	farms	298	1,006	568	3,056	874	118
	acres	19,629	24,265	7,948	66,651	29,761	1,002
	bushels	1,178,663	1,500,658	403,631	4,481,462	1,363,381	55,839
Barley for grain	farms	2,146	46	37	86	157	52
	acres	547,928	738	493	2,815	13,109	2,626
	bushels	42,464,856	43,029	21,911	139,145	692,044	98,830
Sorghum for grain	farms	-	731	78	40	11,379	92
	acres	-	76,601	8,938	2,113	2,625,920	11,590
	bushels	-	5,960,150	811,912	174,761	201,048,807	950,509
Sorghum for silage or greenchop	farms	3	58	52	51	1,779	56
	acres	170	1,169	796	837	131,125	1,549
	tons	2,070	13,502	6,196	8,738	1,505,041	14,211
Soybeans for beans	farms	-	33,945	21,973	41,524	13,232	4,129
	acres	-	8,293,711	4,783,821	8,612,810	2,591,428	1,087,037
	bushels	-	353,741,105	211,074,079	430,739,578	82,719,224	29,582,097
Dry edible beans, excluding limas	farms	641	-	1	1	33	-
	acres	88,987	-	(D)	(D)	5,955	-
	cwt	1,646,970	-	(D)	(D)	134,719	-
Cotton, all	farms	-	-	-	-	106	-
	acres	-	-	-	-	40,924	-
	bales	-	-	-	-	54,814	-
Upland cotton	farms	-	-	-	-	106	-
	acres	-	-	-	-	40,924	-
	bales	-	-	-	-	54,814	-
Pima cotton	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
	bales	-	-	-	-	-	-
Tobacco	farms	-	13	267	-	-	8,113
	acres	-	827	2,174	-	-	87,641
	pounds	-	1,656,819	4,525,089	-	-	196,259,377
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	11,159	19,865	18,917	26,901	29,266	49,825
	acres	1,316,296	593,186	546,764	1,125,565	2,800,129	2,456,564
	tons, dry	5,198,288	1,770,834	1,306,246	3,897,996	6,916,201	4,042,948
Rice	farms	-	3	-	-	-	-
	acres	-	(D)	-	-	-	-
	cwt	-	(D)	-	-	-	-
Sunflower seed, all	farms	1	46	2	5	681	14
	acres	(D)	3,217	(D)	667	156,378	82
	pounds	(D)	4,356,557	(D)	631,300	220,194,520	40,100
Sugarbeets for sugar	farms	507	-	-	-	-	-
	acres	163,598	-	-	-	-	-
	tons	5,631,170	-	-	-	-	-
Sugarcane for sugar	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
	tons	-	-	-	-	-	-
Pineapples harvested	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
	tons	-	-	-	-	-	-
Peanuts for nuts	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
	pounds	-	-	-	-	-	-
Vegetables harvested for sale (see text)	farms	1,137	1,377	1,363	881	473	2,123
	acres	377,062	71,371	35,503	9,544	8,976	7,776
Potatoes	farms	703	253	263	230	137	531
	acres	350,905	6,244	2,288	646	5,266	291
Sweet potatoes	farms	-	21	23	19	36	66
	acres	-	19	13	8	49	44
Land in orchards	farms	485	871	546	743	432	1,040
	acres	7,682	6,032	3,843	2,724	7,162	3,861

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Selected crops harvested - Con.						
Oats for grain ..... farms	30	159	184	2	2,181	5,499
acres	1,549	27,206	2,338	(D)	55,046	180,942
bushels	131,809	1,937,569	152,306	(D)	2,972,519	10,494,120
Barley for grain ..... farms	-	94	683	-	376	1,126
acres	-	16,975	34,288	-	12,953	108,268
bushels	-	1,076,922	2,733,463	-	642,216	5,800,659
Sorghum for grain ..... farms	615	-	79	-	26	3
acres	245,384	-	4,895	-	658	36
bushels	22,397,992	-	217,697	-	41,825	360
Sorghum for silage or greenchop ..... farms	12	3	40	-	126	13
acres	467	93	1,008	-	2,635	145
tons	2,089	1,115	7,745	-	32,419	1,716
Soybeans for beans ..... farms	1,455	14	2,158	5	10,461	27,040
acres	593,815	766	386,604	247	1,715,427	6,273,919
bushels	24,717,263	22,570	10,381,954	10,530	67,515,728	259,891,979
Dry edible beans, excluding limas ..... farms	-	16	-	1	1,183	526
acres	-	481	-	(D)	195,419	145,422
cwt	-	4,359	-	(D)	3,207,689	2,638,507
Cotton, all ..... farms	645	-	-	-	-	-
acres	333,804	-	-	-	-	-
bales	698,557	-	-	-	-	-
Upland cotton ..... farms	645	-	-	-	-	-
acres	333,804	-	-	-	-	-
bales	698,557	-	-	-	-	-
Pima cotton ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
bales	-	-	-	-	-	-
Tobacco ..... farms	-	-	70	60	-	-
acres	-	-	423	1,324	-	-
pounds	-	-	842,793	2,328,982	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	8,798	3,048	5,123	2,424	21,853	29,844
acres	463,695	197,757	223,390	93,811	1,160,467	1,716,693
tons, dry	1,176,324	428,423	552,667	198,593	2,966,956	4,392,567
Rice ..... farms	848	-	-	-	-	-
acres	377,115	-	-	-	-	-
cwt	23,122,031	-	-	-	-	-
Sunflower seed, all ..... farms	1	1	22	1	67	505
acres	(D)	(D)	596	(D)	5,888	126,552
pounds	(D)	(D)	614,150	(D)	7,206,293	190,298,028
Sugarbeets for sugar ..... farms	-	-	-	-	737	1,247
acres	-	-	-	-	150,054	485,650
tons	-	-	-	-	3,532,941	11,432,253
Sugarcane for sugar ..... farms	461	-	-	-	-	-
acres	405,433	-	-	-	-	-
tons	14,086,448	-	-	-	-	-
Pineapples harvested ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Peanuts for nuts ..... farms	8	-	-	-	-	-
acres	(D)	-	-	-	-	-
pounds	(D)	-	-	-	-	-
Vegetables harvested for sale (see text) ..... farms	759	968	931	1,001	2,878	2,720
acres	18,912	66,783	33,447	15,764	174,685	247,099
Potatoes ..... farms	97	464	236	205	600	478
acres	123	56,362	2,964	2,616	42,267	49,935
Sweet potatoes ..... farms	120	4	61	9	22	-
acres	14,863	1	107	2	27	-
Land in orchards ..... farms	1,050	374	472	458	2,712	814
acres	18,201	3,015	4,542	5,416	115,284	4,979

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Selected crops harvested - Con.						
Oats for grain ..... farms	44	459	488	885	2	-
acres	1,345	7,894	34,633	35,108	(D)	-
bushels	107,161	382,149	1,673,538	2,108,923	(D)	-
Barley for grain ..... farms	-	56	2,347	35	9	1
acres	-	1,531	718,551	1,777	1,062	(D)
bushels	-	59,238	29,670,161	81,963	93,177	(D)
Sorghum for grain ..... farms	302	1,085	-	1,901	1	-
acres	116,901	105,483	-	236,607	(D)	-
bushels	9,815,654	9,922,598	-	22,177,229	(D)	-
Sorghum for silage or greenchop ..... farms	9	174	2	444	-	1
acres	4,739	6,533	(D)	20,376	-	(D)
tons	76,923	79,962	(D)	235,551	-	(D)
Soybeans for beans ..... farms	2,589	18,388	8	16,620	-	-
acres	1,431,085	4,672,738	409	3,834,855	-	-
bushels	54,316,854	165,947,323	16,084	189,547,373	-	-
Dry edible beans, excluding limas ..... farms	-	2	105	495	-	2
acres	-	(D)	17,151	107,583	-	(D)
cwt	-	(D)	290,498	2,453,158	-	(D)
Cotton, all ..... farms	980	511	-	-	-	-
acres	656,051	377,960	-	-	-	-
bales	1,289,270	723,043	-	-	-	-
Upland cotton ..... farms	980	511	-	-	-	-
acres	656,051	377,960	-	-	-	-
bales	1,289,270	723,043	-	-	-	-
Pima cotton ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
bales	-	-	-	-	-	-
Tobacco ..... farms	-	111	-	-	-	-
acres	-	1,577	-	-	-	-
pounds	-	3,557,585	-	-	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	13,271	57,184	12,796	20,576	1,436	1,581
acres	680,402	3,895,401	2,822,442	2,563,515	464,598	76,877
tons, dry	1,572,853	7,182,875	5,490,353	6,289,171	1,582,983	178,138
Rice ..... farms	341	435	-	-	-	-
acres	185,076	179,300	-	-	-	-
cwt	13,313,823	12,266,645	-	-	-	-
Sunflower seed, all ..... farms	1	28	17	222	-	-
acres	(D)	1,963	3,410	47,575	-	-
pounds	(D)	2,456,340	3,787,068	61,133,340	-	-
Sugarbeets for sugar ..... farms	-	-	220	162	-	-
acres	-	-	47,533	44,938	-	-
tons	-	-	1,174,370	1,064,504	-	-
Sugarcane for sugar ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Pineapples harvested ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Peanuts for nuts ..... farms	85	1	-	-	-	-
acres	17,781	(D)	-	-	-	-
pounds	58,481,805	(D)	-	-	-	-
Vegetables harvested for sale (see text) ..... farms	1,156	1,335	313	340	50	427
acres	31,088	32,837	11,899	23,646	11,217	3,408
Potatoes ..... farms	178	313	152	135	24	132
acres	166	6,127	11,192	20,438	7,491	79
Sweet potatoes ..... farms	122	46	-	11	-	-
acres	21,027	54	-	2	-	-
Land in orchards ..... farms	937	1,345	389	339	79	263
acres	15,948	22,447	1,491	1,500	460	2,285

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Selected crops harvested - Con.						
Oats for grain ..... farms	50	45	1,809	556	2,513	2,800
acres	1,234	(D)	60,999	14,337	257,021	46,348
bushels	61,563	16,467	3,556,221	787,753	14,862,093	2,883,967
Barley for grain ..... farms	46	10	327	236	4,855	210
acres	1,947	824	10,793	13,728	1,384,689	2,994
bushels	136,415	80,299	530,407	667,667	75,444,593	159,965
Sorghum for grain ..... farms	12	217	26	210	-	16
acres	614	73,048	717	8,635	-	1,203
bushels	33,018	2,806,719	35,804	394,040	-	50,854
Sorghum for silage or greenchop ..... farms	13	97	155	86	17	122
acres	220	18,833	3,192	2,748	1,122	2,718
tons	2,294	297,382	22,571	28,856	6,464	33,003
Soybeans for beans ..... farms	524	1	1,347	6,896	5,779	23,892
acres	79,218	(D)	199,775	1,380,792	3,073,981	4,236,337
bushels	2,443,231	(D)	7,456,657	29,142,115	106,556,290	191,559,567
Dry edible beans, excluding limas ..... farms	2	178	143	-	1,682	1
acres	(D)	7,760	16,218	-	664,389	(D)
cwt	(D)	173,070	247,762	-	10,745,281	(D)
Cotton, all ..... farms	-	199	-	1,308	-	-
acres	-	42,207	-	526,060	-	-
bales	-	97,206	-	785,557	-	-
Upland cotton ..... farms	-	182	-	1,308	-	-
acres	-	37,615	-	526,060	-	-
bales	-	88,790	-	785,557	-	-
Pima cotton ..... farms	-	44	-	-	-	-
acres	-	4,592	-	-	-	-
bales	-	8,416	-	-	-	-
Tobacco ..... farms	-	-	-	2,622	-	475
acres	-	-	-	170,083	-	3,499
pounds	-	-	-	365,958,031	-	6,811,760
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	3,130	5,583	20,194	19,432	11,561	31,440
acres	115,669	365,843	1,962,620	687,650	2,525,213	1,156,523
tons, dry	226,883	1,565,071	4,981,812	1,170,258	4,832,502	2,807,279
Rice ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
cwt	-	-	-	-	-	-
Sunflower seed, all ..... farms	2	2	28	29	3,000	4
acres	(D)	(D)	357	402	1,054,584	102
pounds	(D)	(D)	367,672	383,562	1,496,184,686	143,800
Sugarbeets for sugar ..... farms	-	-	-	-	553	-
acres	-	-	-	-	245,735	-
tons	-	-	-	-	5,695,862	-
Sugarcane for sugar ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Pineapples harvested ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Peanuts for nuts ..... farms	-	29	-	699	-	-
acres	-	10,305	-	89,029	-	-
pounds	-	31,988,642	-	250,970,518	-	-
Vegetables harvested for sale (see text) ..... farms	1,456	1,743	3,192	3,740	224	2,873
acres	54,062	36,933	160,596	118,780	94,543	47,014
Potatoes ..... farms	127	142	860	1,123	152	631
acres	2,442	5,675	18,911	14,760	91,855	2,943
Sweet potatoes ..... farms	60	2	19	389	-	33
acres	1,068	(D)	7	42,108	-	12
Land in orchards ..... farms	718	2,783	2,686	1,551	41	1,462
acres	10,537	43,859	100,035	13,724	118	10,367

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Selected crops harvested - Con.					
Oats for grain ..... farms	172	259	5,089	2	344
acres	14,816	17,958	79,943	(D)	13,279
bushels	462,865	1,417,220	4,237,273	(D)	559,906
Barley for grain ..... farms	42	339	2,104	-	29
acres	5,038	53,216	41,986	-	747
bushels	207,751	2,798,280	3,053,989	-	44,457
Sorghum for grain ..... farms	966	3	117	-	91
acres	219,883	87	3,155	-	5,996
bushels	11,682,402	8,189	177,639	-	210,854
Sorghum for silage or greenchop ..... farms	164	2	335	-	25
acres	13,661	(D)	4,471	-	1,898
tons	68,537	(D)	40,767	-	13,596
Soybeans for beans ..... farms	813	2	6,374	-	1,920
acres	180,878	(D)	431,053	-	442,461
bushels	4,559,245	(D)	17,386,829	-	7,833,696
Dry edible beans, excluding limas ..... farms	7	49	17	-	-
acres	150	7,559	153	-	-
cwt	2,792	149,465	3,045	-	-
Cotton, all ..... farms	420	-	-	-	458
acres	164,273	-	-	-	158,296
bales	279,871	-	-	-	159,213
Upland cotton ..... farms	420	-	-	-	458
acres	164,273	-	-	-	158,296
bales	279,871	-	-	-	159,213
Pima cotton ..... farms	-	-	-	-	-
acres	-	-	-	-	-
bales	-	-	-	-	-
Tobacco ..... farms	-	-	1,152	-	260
acres	-	-	7,886	-	20,084
pounds	-	-	18,811,546	-	44,660,005
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	39,449	12,590	34,923	351	7,830
acres	3,231,691	1,038,735	1,747,589	9,304	340,951
tons, dry	6,718,879	3,129,873	4,487,424	19,042	591,501
Rice ..... farms	3	-	-	-	-
acres	(D)	-	-	-	-
cwt	(D)	-	-	-	-
Sunflower seed, all ..... farms	20	13	32	-	39
acres	3,626	611	660	-	764
pounds	6,574,767	427,968	405,407	-	249,094
Sugarbeets for sugar ..... farms	-	73	-	-	-
acres	-	11,232	-	-	-
tons	-	346,233	-	-	-
Sugarcane for sugar ..... farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Pineapples harvested ..... farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Peanuts for nuts ..... farms	148	-	-	-	327
acres	16,319	-	-	-	56,332
pounds	55,039,635	-	-	-	178,352,360
Vegetables harvested for sale (see text) ..... farms	834	1,519	4,338	203	1,520
acres	18,013	149,665	55,655	2,418	28,275
Potatoes ..... farms	215	345	1,258	30	226
acres	307	36,361	9,690	542	154
Sweet potatoes ..... farms	29	1	54	5	107
acres	13	(D)	38	1	497
Land in orchards ..... farms	4,036	4,004	2,686	100	1,125
acres	143,892	99,614	46,560	580	22,185

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Selected crops harvested - Con.					
Oats for grain ....farms	1,703	78	1,109	266	12
acres	124,743	1,679	92,653	4,833	211
bushels	8,758,284	83,840	3,663,002	367,230	11,525
Barley for grain ....farms	205	18	28	487	4
acres	28,761	997	2,090	22,124	(D)
bushels	1,218,568	45,265	141,999	1,833,678	(D)
Sorghum for grain ....farms	394	72	5,975	2	1
acres	129,413	10,107	2,427,580	(D)	(D)
bushels	7,732,205	831,540	153,531,033	(D)	(D)
Sorghum for silage or greenchop ....farms	191	48	697	7	5
acres	17,983	1,533	121,393	404	(D)
tons	178,535	8,961	1,705,391	6,408	464
Soybeans for beans ....farms	9,862	2,967	371	-	21
acres	3,222,872	976,011	93,453	-	2,011
bushels	130,377,538	18,552,793	3,439,765	-	75,318
Dry edible beans, excluding limas ....farms	34	-	58	16	6
acres	11,891	-	6,675	1,627	(D)
cwt	208,659	-	127,400	6,994	(D)
Cotton, all ....farms	-	779	7,225	-	-
acres	-	504,057	4,674,229	-	-
bales	-	581,236	8,147,970	-	-
Upland cotton ....farms	-	779	7,193	-	-
acres	-	504,057	4,650,039	-	-
bales	-	581,236	8,102,815	-	-
Pima cotton ....farms	-	-	70	-	-
acres	-	-	24,190	-	-
bales	-	-	45,155	-	-
Tobacco ....farms	-	1,610	-	-	-
acres	-	20,109	-	-	-
pounds	-	38,652,986	-	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ....farms	16,121	42,280	90,860	8,930	3,624
acres	3,239,947	1,784,808	5,264,287	690,946	330,984
tons, dry	6,502,232	2,732,930	14,477,068	2,569,087	962,986
Rice ....farms	-	6	385	-	-
acres	-	2,317	145,006	-	-
cwt	-	240,029	9,472,871	-	-
Sunflower seed, all ....farms	910	8	118	12	2
acres	400,181	23	35,309	5,332	(D)
pounds	613,668,505	20,500	45,693,688	2,460,696	(D)
Sugarbeets for sugar ....farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Sugarcane for sugar ....farms	-	-	114	-	-
acres	-	-	(D)	-	-
tons	-	-	(D)	-	-
Pineapples harvested ....farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Peanuts for nuts ....farms	-	19	784	-	-
acres	-	23	192,291	-	-
pounds	-	14,610	699,723,146	-	-
Vegetables harvested for sale (see text) ....farms	141	1,543	2,353	583	494
acres	1,766	34,013	128,108	5,920	2,927
Potatoes ....farms	45	398	330	113	202
acres	854	304	17,129	464	266
Sweet potatoes ....farms	2	57	45	-	3
acres	(D)	167	2,006	-	(D)
Land in orchards ....farms	113	786	8,848	805	310
acres	550	2,866	215,794	8,058	3,547

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Table 1. **State Summary Highlights: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
Selected crops harvested - Con.						
Oats for grain	farms	230	138	121	7,934	154
	acres	4,893	8,956	1,494	166,794	8,040
	bushels	286,954	426,027	74,953	11,122,339	382,864
Barley for grain	farms	530	843	61	1,104	342
	acres	27,833	223,598	1,328	23,645	52,457
	bushels	2,008,416	13,928,713	92,942	1,351,838	4,485,775
Sorghum for grain	farms	43	-	3	11	-
	acres	1,497	-	(D)	242	-
	bushels	63,521	-	(D)	12,774	-
Sorghum for silage or greenchop	farms	87	1	23	138	10
	acres	2,573	(D)	409	2,201	450
	tons	17,516	(D)	2,539	19,645	7,514
Soybeans for beans	farms	2,104	8	115	14,513	-
	acres	490,396	725	13,717	1,363,124	-
	bushels	12,624,547	27,781	480,186	54,701,222	-
Dry edible beans, excluding limas	farms	-	269	-	6	193
	acres	-	61,055	-	6,069	24,197
	cwt	-	1,049,750	-	93,244	566,459
Cotton, all	farms	196	-	-	-	-
	acres	59,243	-	-	-	-
	bales	101,745	-	-	-	-
Upland cotton	farms	196	-	-	-	-
	acres	59,243	-	-	-	-
	bales	101,745	-	-	-	-
Pima cotton	farms	-	-	-	-	-
	acres	-	-	-	-	-
	bales	-	-	-	-	-
Tobacco	farms	895	-	68	195	-
	acres	20,881	-	248	934	-
	pounds	43,338,678	-	478,054	2,254,739	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	25,986	10,243	16,449	42,082	5,276
	acres	1,305,624	846,140	614,794	2,797,497	1,192,019
	tons, dry	2,464,783	3,595,392	986,097	8,528,063	2,426,555
Rice	farms	-	-	-	-	-
	acres	-	-	-	-	-
	cwt	-	-	-	-	-
Sunflower seed, all	farms	24	4	4	78	21
	acres	137	(D)	8	3,722	4,668
	pounds	79,944	61,858	1,500	4,449,621	3,292,514
Sugarbeets for sugar	farms	-	3	-	-	139
	acres	-	2,076	-	-	30,782
	tons	-	80,206	-	-	675,601
Sugarcane for sugar	farms	-	-	-	-	-
	acres	-	-	-	-	-
	tons	-	-	-	-	-
Pineapples harvested	farms	-	-	-	-	-
	acres	-	-	-	-	-
	tons	-	-	-	-	-
Peanuts for nuts	farms	180	-	-	-	-
	acres	21,631	-	-	-	-
	pounds	52,797,144	-	-	-	-
Vegetables harvested for sale (see text)	farms	1,616	2,026	726	3,319	46
	acres	27,887	343,787	2,210	297,238	952
Potatoes	farms	596	618	277	608	20
	acres	5,408	157,499	275	63,933	843
Sweet potatoes	farms	83	3	7	14	-
	acres	330	(Z)	1	13	-
Land in orchards	farms	1,277	5,470	613	1,135	25
	acres	19,713	299,174	6,909	9,730	73

Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Total sales (see text) ....farms, 2007	2,204,792	48,753	686	15,637	49,346	81,033
2002	2,128,982	45,126	609	7,294	47,483	79,631
$1,000, 2007	297,220,491	4,415,550	57,019	3,234,552	7,508,806	33,885,064
2002	200,646,355	3,264,949	46,143	2,395,447	4,950,397	25,737,173
Average per farm ....dollars, 2007	134,807	90,570	83,119	206,852	152,166	418,164
2002	94,245	72,352	75,768	328,413	104,256	323,205
2007 value of sales:						
Less than $1,000 (see text) .... farms	688,833	17,042	143	7,266	12,814	18,111
$1,000	84,357	2,040	17	1,103	1,735	2,219
$1,000 to $2,499 .... farms	211,494	5,540	88	2,366	4,996	5,854
$1,000	350,588	9,198	140	3,682	8,390	9,652
$2,500 to $4,999 .... farms	200,302	5,458	81	1,721	5,353	6,548
$1,000	718,027	19,369	279	5,975	19,279	23,510
$5,000 to $9,999 .... farms	218,531	5,702	91	1,377	6,263	7,208
$1,000	1,552,543	40,413	628	9,415	44,563	51,093
$10,000 to $19,999 .... farms	190,402	5,217	72	862	5,576	7,761
$1,000	2,682,120	72,543	969	11,632	77,750	108,885
$20,000 to $24,999 .... farms	57,883	1,240	19	201	1,571	2,720
$1,000	1,277,703	27,238	413	4,413	34,598	59,120
$25,000 to $39,999 .... farms	107,046	1,895	49	307	2,278	5,081
$1,000	3,367,661	58,808	1,505	9,542	70,441	158,823
$40,000 to $49,999 .... farms	47,686	643	19	126	740	2,497
$1,000	2,112,835	28,145	831	5,531	32,541	108,929
$50,000 to $99,999 .... farms	125,456	1,287	47	358	1,685	6,212
$1,000	8,961,255	89,616	3,251	25,023	116,773	435,855
$100,000 to $249,999 .... farms	147,500	1,003	40	298	1,587	6,544
$1,000	24,212,940	164,905	5,901	47,690	267,171	1,026,860
$250,000 to $499,999 .... farms	93,373	1,386	18	204	1,884	3,917
$1,000	33,409,883	536,916	6,246	74,022	702,517	1,361,005
$500,000 or more .... farms	116,286	2,340	19	551	4,599	8,580
$1,000	218,490,577	3,366,360	36,839	3,036,525	6,133,048	30,539,114
2002 value of sales:						
Less than $1,000 (see text) .... farms	570,919	13,298	127	2,538	9,750	16,529
$1,000	63,223	1,680	19	259	1,387	1,872
$1,000 to $2,499 .... farms	255,639	6,260	80	907	6,658	6,833
$1,000	422,136	10,453	119	1,543	11,104	11,130
$2,500 to $4,999 .... farms	213,326	6,428	59	647	5,975	6,038
$1,000	762,554	23,068	201	2,308	21,479	21,417
$5,000 to $9,999 .... farms	223,168	6,083	96	598	6,237	7,262
$1,000	1,577,184	42,770	660	4,248	43,808	50,730
$10,000 to $19,999 .... farms	197,967	4,203	65	491	5,023	7,169
$1,000	2,781,507	58,176	916	6,752	69,165	101,385
$20,000 to $24,999 .... farms	58,190	1,003	24	184	1,285	2,286
$1,000	1,285,921	22,113	529	4,029	28,134	50,081
$25,000 to $39,999 .... farms	109,310	1,425	31	310	1,581	4,957
$1,000	3,438,976	44,272	941	9,810	49,138	155,635
$40,000 to $49,999 .... farms	48,596	509	22	120	595	2,174
$1,000	2,154,772	22,526	982	5,244	26,226	95,767
$50,000 to $99,999 .... farms	140,479	1,246	34	307	1,865	6,798
$1,000	10,024,295	86,863	2,282	22,066	135,583	478,765
$100,000 to $249,999 .... farms	159,052	1,280	33	320	2,655	7,281
$1,000	25,401,608	212,895	5,210	49,562	447,409	1,146,367
$250,000 to $499,999 .... farms	81,694	1,441	23	232	3,120	4,145
$1,000	28,530,105	529,623	8,308	82,714	1,177,094	1,455,208
$500,000 or more .... farms	70,642	1,950	15	640	2,739	8,159
$1,000	124,204,073	2,210,510	25,977	2,206,913	2,939,871	22,168,817
Value of sales by commodity or commodity group:						
Crops, including nursery and greenhouse ....farms, 2007	986,080	13,681	384	4,513	15,966	48,901
2002	944,656	11,059	337	2,576	12,995	48,634
$1,000, 2007	143,657,928	676,987	24,749	1,913,014	2,900,973	22,903,021
2002	95,151,954	590,268	20,543	1,587,775	1,620,384	19,152,722
Grains, oilseeds, dry beans, and dry peas ....farms, 2007	479,467	2,359	21	434	5,220	4,261
2002	485,124	2,195	23	485	5,971	4,952
$1,000, 2007	77,215,262	120,656	587	117,494	2,252,907	1,105,369
2002	39,957,698	62,949	(D)	80,408	1,122,883	722,093
Corn ....farms, 2007	347,540	1,856	-	156	1,411	1,811
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	39,909,600	74,138	-	40,187	356,930	309,402
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ....farms, 2007	159,527	518	-	200	2,112	1,188
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	10,623,640	13,680	-	46,107	118,354	155,566
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ....farms, 2007	285,089	924	-	-	4,711	15
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	20,283,986	29,511	-	-	769,976	326
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ....farms, 2007	27,142	88	-	130	707	150
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	1,651,798	801	-	15,167	73,348	7,909
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ....farms, 2007	18,326	-	19	113	-	160
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	701,047	-	497	11,115	-	11,146
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ....farms, 2007	6,085	-	-	-	2,752	1,305
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	2,020,231	-	-	-	932,782	501,046
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ....farms, 2007	55,228	275	5	72	62	967
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	2,024,959	2,526	90	4,917	1,516	119,976
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Total sales (see text) ..... farms, 2007	37,054	4,916	2,546	47,463	47,846	7,521
2002	31,369	4,191	2,391	44,081	49,311	5,398
$1,000, 2007	6,061,134	551,553	1,083,035	7,785,228	7,112,866	513,626
2002	4,525,196	470,637	618,853	6,242,272	4,911,752	533,423
Average per farm ..... dollars, 2007	163,576	112,195	425,387	164,027	148,662	68,292
2002	144,257	112,297	258,826	141,609	99,608	98,819
2007 value of sales:						
Less than $1,000 (see text) ..... farms	14,235	1,307	433	16,150	18,405	1,646
$1,000	1,457	246	66	1,999	2,033	299
$1,000 to $2,499 ..... farms	3,331	626	250	5,379	4,986	1,286
$1,000	5,382	1,038	406	8,840	8,228	2,032
$2,500 to $4,999 ..... farms	3,002	719	201	4,839	4,450	1,012
$1,000	10,597	2,453	709	17,331	16,014	3,588
$5,000 to $9,999 ..... farms	3,122	561	159	4,668	4,527	996
$1,000	21,896	3,886	1,154	32,863	31,999	7,048
$10,000 to $19,999 ..... farms	2,749	499	216	4,093	3,860	939
$1,000	38,794	6,959	2,997	57,225	53,584	12,962
$20,000 to $24,999 ..... farms	851	153	56	1,311	1,046	204
$1,000	18,768	3,383	1,233	28,538	23,011	4,418
$25,000 to $39,999 ..... farms	1,628	228	100	2,301	1,651	401
$1,000	51,246	7,026	2,968	71,667	51,361	12,480
$40,000 to $49,999 ..... farms	755	101	27	1,054	657	156
$1,000	33,349	4,424	1,209	45,631	29,145	6,716
$50,000 to $99,999 ..... farms	2,283	231	115	2,435	1,491	353
$1,000	162,360	16,111	8,056	170,114	103,044	24,332
$100,000 to $249,999 ..... farms	2,348	222	140	2,103	2,182	274
$1,000	378,950	35,505	23,150	331,134	378,793	40,897
$250,000 to $499,999 ..... farms	1,247	91	141	1,063	1,232	106
$1,000	450,488	31,071	52,303	373,432	459,611	37,691
$500,000 or more ..... farms	1,503	178	708	2,067	3,359	148
$1,000	4,887,846	439,451	988,785	6,646,454	5,956,045	361,164
2002 value of sales:						
Less than $1,000 (see text) ..... farms	9,429	1,312	324	12,027	17,108	661
$1,000	777	177	66	1,564	1,671	165
$1,000 to $2,499 ..... farms	3,587	588	283	7,087	6,878	746
$1,000	5,813	949	475	11,404	11,370	1,207
$2,500 to $4,999 ..... farms	2,979	523	141	4,544	5,046	714
$1,000	10,545	1,797	479	16,093	17,996	2,549
$5,000 to $9,999 ..... farms	2,967	398	133	4,285	5,131	916
$1,000	20,955	2,751	876	30,120	36,111	6,366
$10,000 to $19,999 ..... farms	2,882	379	120	3,910	3,881	807
$1,000	40,344	5,294	1,688	55,050	54,211	11,035
$20,000 to $24,999 ..... farms	896	123	39	1,330	997	249
$1,000	19,647	2,713	865	29,469	22,063	5,346
$25,000 to $39,999 ..... farms	1,725	170	93	2,227	1,702	341
$1,000	54,476	5,252	2,914	70,153	53,332	10,519
$40,000 to $49,999 ..... farms	795	71	54	1,078	704	165
$1,000	35,098	3,092	2,365	47,857	30,950	7,109
$50,000 to $99,999 ..... farms	2,179	188	180	2,486	1,592	314
$1,000	154,391	13,160	12,581	175,907	112,269	20,907
$100,000 to $249,999 ..... farms	2,064	195	195	2,092	1,804	249
$1,000	322,541	32,391	31,975	328,219	297,953	37,734
$250,000 to $499,999 ..... farms	867	114	499	1,147	1,997	103
$1,000	299,380	37,906	196,263	395,446	734,621	36,198
$500,000 or more ..... farms	999	130	330	1,868	2,471	133
$1,000	3,561,229	365,155	368,306	5,080,991	3,539,204	394,287
Value of sales by commodity or commodity group:						
Crops, including nursery and greenhouse ..... farms, 2007	13,897	2,937	1,517	17,307	15,305	5,376
2002	10,613	2,376	1,366	17,327	14,837	4,317
$1,000, 2007	1,981,399	401,372	210,635	6,256,228	2,142,270	429,916
2002	1,216,278	327,527	150,404	5,041,433	1,579,596	445,356
Grains, oilseeds, dry beans, and dry peas ..... farms, 2007	5,304	157	1,098	730	4,422	15
2002	4,829	116	1,014	509	3,828	13
$1,000, 2007	1,049,754	2,316	117,073	33,344	300,754	19,353
2002	448,378	1,410	72,393	17,798	102,464	14,647
Corn ..... farms, 2007	2,926	142	855	555	3,190	15
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	487,703	2,182	67,837	17,583	178,260	19,353
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ..... farms, 2007	3,649	3	339	79	1,318	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	435,716	(D)	14,661	2,988	45,390	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ..... farms, 2007	67	7	830	117	1,653	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	3,261	(D)	31,079	2,349	61,703	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ..... farms, 2007	418	1	10	37	448	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	21,707	(D)	(D)	671	6,569	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ..... farms, 2007	326	-	137	-	11	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	24,066	-	3,319	-	80	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ..... farms, 2007	-	-	-	7	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	-	-	8,332	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ..... farms, 2007	1,248	18	23	141	914	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	77,301	29	(D)	1,421	8,751	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Total sales (see text) ....farms, 2007	25,349	76,860	60,938	92,856	65,531	85,260
2002	25,017	73,027	60,296	90,655	64,414	86,541
$1,000, 2007	5,688,765	13,329,107	8,271,291	20,418,096	14,413,182	4,824,561
2002	3,908,262	7,676,239	4,783,158	12,273,634	8,746,244	3,080,080
Average per farm ....dollars, 2007	224,418	173,421	135,733	219,890	219,944	56,586
2002	156,224	105,115	79,328	135,388	135,782	35,591
2007 value of sales:						
Less than $1,000 (see text) .... farms	8,089	22,411	17,258	23,698	18,554	25,918
$1,000	958	2,051	2,300	1,292	1,578	3,805
$1,000 to $2,499 .... farms	2,683	4,468	5,212	3,032	4,177	9,882
$1,000	4,467	7,486	8,760	5,079	6,871	16,482
$2,500 to $4,999 .... farms	2,192	4,278	4,971	3,986	3,863	9,787
$1,000	7,870	15,496	17,878	14,496	14,020	35,359
$5,000 to $9,999 .... farms	2,281	4,877	5,686	5,100	5,198	11,150
$1,000	16,259	34,909	40,403	37,069	37,249	79,547
$10,000 to $19,999 .... farms	1,938	4,316	4,842	4,715	5,845	9,752
$1,000	27,249	61,816	68,895	68,106	83,766	137,218
$20,000 to $24,999 .... farms	679	1,594	1,483	1,948	1,999	2,890
$1,000	14,979	35,448	33,033	43,388	44,260	63,772
$25,000 to $39,999 .... farms	1,166	3,484	3,120	4,670	4,195	4,626
$1,000	36,612	110,770	99,362	149,361	132,914	144,188
$40,000 to $49,999 .... farms	500	1,897	1,411	2,844	1,902	1,670
$1,000	22,142	84,608	62,858	127,565	84,762	73,819
$50,000 to $99,999 .... farms	1,505	6,245	4,273	9,805	5,609	3,663
$1,000	106,929	456,299	307,348	723,244	400,420	256,024
$100,000 to $249,999 .... farms	1,630	9,029	5,283	14,181	6,423	2,892
$1,000	266,828	1,504,558	875,041	2,396,707	1,043,707	458,770
$250,000 to $499,999 .... farms	1,031	7,101	3,372	9,399	3,751	1,417
$1,000	366,846	2,569,946	1,206,047	3,372,226	1,343,309	498,767
$500,000 or more .... farms	1,655	7,160	4,027	9,478	4,015	1,613
$1,000	4,817,628	8,445,720	5,549,365	13,479,563	11,220,326	3,056,810
2002 value of sales:						
Less than $1,000 (see text) .... farms	8,351	16,559	15,523	19,668	16,466	18,452
$1,000	552	1,328	1,516	915	1,300	2,819
$1,000 to $2,499 .... farms	3,236	4,242	6,097	3,768	3,978	14,466
$1,000	5,345	7,088	10,072	6,246	6,623	24,263
$2,500 to $4,999 .... farms	2,123	4,316	5,169	3,737	4,594	11,778
$1,000	7,453	15,621	18,587	13,593	16,686	42,440
$5,000 to $9,999 .... farms	1,998	5,146	5,760	4,902	6,102	13,561
$1,000	14,353	36,776	41,002	35,352	43,855	95,820
$10,000 to $19,999 .... farms	1,897	5,866	5,555	6,631	6,936	10,659
$1,000	26,483	84,771	79,007	96,195	99,523	148,506
$20,000 to $24,999 .... farms	547	2,114	1,774	2,778	2,320	2,495
$1,000	12,058	46,948	39,366	61,731	51,604	55,155
$25,000 to $39,999 .... farms	1,137	4,767	3,438	6,437	4,621	4,832
$1,000	35,629	151,807	108,843	205,720	146,204	150,233
$40,000 to $49,999 .... farms	467	2,491	1,674	3,601	2,096	1,693
$1,000	20,586	110,695	74,501	160,367	93,441	75,155
$50,000 to $99,999 .... farms	1,368	8,052	4,945	11,718	6,282	3,486
$1,000	97,522	581,380	353,319	846,783	448,705	242,915
$100,000 to $249,999 .... farms	1,679	10,911	5,646	14,920	6,521	2,915
$1,000	269,113	1,773,481	907,375	2,417,878	1,033,957	444,138
$250,000 to $499,999 .... farms	910	5,718	2,859	7,731	2,684	1,250
$1,000	319,331	1,978,684	1,001,820	2,679,591	923,282	433,969
$500,000 or more .... farms	1,304	2,845	1,856	4,764	1,814	954
$1,000	3,099,838	2,887,662	2,147,748	5,749,264	5,881,064	1,364,666
Value of sales by commodity or commodity group:						
Crops, including nursery and greenhouse ....farms, 2007	10,688	49,658	36,142	59,196	36,158	35,077
2002	9,261	50,786	35,457	60,303	36,152	46,370
$1,000, 2007	2,324,789	10,876,415	5,319,019	10,343,585	4,887,212	1,404,769
2002	1,787,172	5,871,542	2,992,747	6,071,272	2,418,447	1,110,209
Grains, oilseeds, dry beans, and dry peas ....farms, 2007	4,649	42,901	29,038	53,417	28,543	8,729
2002	4,500	45,989	28,463	55,294	30,326	8,326
$1,000, 2007	806,299	10,257,765	5,021,216	10,123,033	4,510,045	867,298
2002	479,728	5,335,107	2,646,983	5,858,528	2,102,432	518,327
Corn ....farms, 2007	1,361	38,668	24,597	49,970	11,839	7,107
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	132,097	7,073,343	3,114,306	6,796,492	1,697,262	553,127
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ....farms, 2007	2,839	9,395	5,033	570	22,430	1,406
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	458,767	229,850	99,664	5,859	1,403,043	58,632
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ....farms, 2007	-	34,682	22,569	42,597	13,987	4,447
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	2,914,745	1,772,861	3,306,656	688,080	249,237
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ....farms, 2007	-	736	88	50	11,419	107
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	21,872	3,302	697	673,559	3,825
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ....farms, 2007	2,121	40	32	72	152	47
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	151,675	(D)	48	398	1,675	239
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ....farms, 2007	-	3	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	(D)	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ....farms, 2007	1,156	1,043	704	2,558	1,616	113
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	63,760	16,849	31,036	12,930	46,426	2,239
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Total sales (see text) ..... farms, 2007	30,106	8,136	12,834	7,691	56,014	80,992
2002	27,413	7,196	12,198	6,075	53,315	80,839
$1,000, 2007	2,617,981	617,190	1,835,090	489,820	5,753,219	13,180,466
2002	1,815,803	463,603	1,293,303	384,314	3,772,435	8,575,627
Average per farm ..... dollars, 2007	86,959	75,859	142,987	63,687	102,710	162,738
2002	66,239	64,425	106,026	63,262	70,757	106,083
2007 value of sales:						
Less than $1,000 (see text) ..... farms	11,583	2,866	3,745	2,380	18,648	26,286
$1,000	1,135	493	451	438	2,372	2,275
$1,000 to $2,499 ..... farms	3,043	1,058	1,240	949	5,502	4,392
$1,000	5,018	1,752	2,062	1,546	9,234	7,350
$2,500 to $4,999 ..... farms	2,934	838	1,248	839	5,229	4,451
$1,000	10,400	2,991	4,522	3,022	18,659	16,031
$5,000 to $9,999 ..... farms	3,295	846	1,272	769	5,292	4,795
$1,000	23,228	5,944	8,991	5,329	37,544	34,430
$10,000 to $19,999 ..... farms	2,448	747	1,112	791	4,715	4,926
$1,000	34,099	10,538	15,590	10,979	66,930	70,768
$20,000 to $24,999 ..... farms	719	202	357	244	1,379	1,751
$1,000	15,792	4,410	7,865	5,299	30,734	38,828
$25,000 to $39,999 ..... farms	1,288	328	629	362	2,791	3,819
$1,000	40,064	10,213	19,730	11,523	88,022	122,318
$40,000 to $49,999 ..... farms	483	151	281	156	1,150	1,918
$1,000	21,304	6,737	12,462	6,865	51,181	85,686
$50,000 to $99,999 ..... farms	1,091	328	691	398	3,342	6,490
$1,000	75,816	22,723	49,466	27,591	235,867	470,986
$100,000 to $249,999 ..... farms	1,030	377	734	397	3,492	9,479
$1,000	174,107	59,785	118,385	60,648	549,825	1,566,188
$250,000 to $499,999 ..... farms	787	197	555	212	2,054	6,259
$1,000	294,521	67,611	201,269	73,831	732,045	2,228,906
$500,000 or more ..... farms	1,405	198	970	194	2,420	6,426
$1,000	1,922,496	423,992	1,394,298	282,750	3,930,806	8,536,699
2002 value of sales:						
Less than $1,000 (see text) ..... farms	7,948	2,659	3,633	1,727	17,442	23,766
$1,000	971	422	428	289	1,558	1,649
$1,000 to $2,499 ..... farms	3,890	975	1,483	865	5,849	5,258
$1,000	6,376	1,589	2,412	1,376	9,665	8,662
$2,500 to $4,999 ..... farms	3,203	777	1,199	647	4,749	4,417
$1,000	11,391	2,736	4,286	2,243	17,092	16,010
$5,000 to $9,999 ..... farms	3,194	682	1,067	623	5,107	5,491
$1,000	22,192	4,783	7,500	4,281	36,516	39,423
$10,000 to $19,999 ..... farms	2,435	578	1,006	555	4,930	5,994
$1,000	33,615	8,051	14,179	7,728	70,100	85,952
$20,000 to $24,999 ..... farms	604	149	313	160	1,499	2,105
$1,000	13,336	3,292	6,914	3,491	33,184	46,663
$25,000 to $39,999 ..... farms	970	269	531	279	2,839	4,813
$1,000	30,362	8,353	16,467	8,821	89,520	153,426
$40,000 to $49,999 ..... farms	449	118	197	143	1,180	2,429
$1,000	19,826	5,231	8,685	6,277	52,353	108,292
$50,000 to $99,999 ..... farms	1,295	310	670	385	3,229	8,024
$1,000	90,766	22,145	48,317	26,885	228,371	579,548
$100,000 to $249,999 ..... farms	1,529	350	814	380	3,231	9,895
$1,000	245,071	56,012	134,476	58,644	513,700	1,597,222
$250,000 to $499,999 ..... farms	944	163	630	176	1,807	5,022
$1,000	331,184	55,647	223,996	58,991	625,875	1,734,453
$500,000 or more ..... farms	952	166	655	135	1,453	3,625
$1,000	1,010,714	295,343	825,642	205,289	2,094,500	4,204,328
Value of sales by commodity or commodity group:						
Crops, including nursery and greenhouse ..... farms, 2007	8,241	4,427	6,763	4,162	32,167	46,189
2002	8,370	3,825	6,252	3,629	29,697	45,614
$1,000, 2007	1,604,647	326,573	629,303	364,481	3,329,928	7,048,913
2002	1,065,611	222,356	450,202	277,069	2,362,628	4,562,882
Grains, oilseeds, dry beans, and dry peas ..... farms, 2007	3,097	254	3,501	126	17,140	36,298
2002	3,655	308	3,510	110	16,819	36,628
$1,000, 2007	850,540	9,146	307,944	1,781	1,710,733	5,936,153
2002	368,691	7,794	167,555	1,358	990,921	3,551,017
Corn ..... farms, 2007	1,386	62	2,758	117	13,472	30,207
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	337,958	2,574	170,038	1,737	915,597	3,316,564
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ..... farms, 2007	809	8	1,486	5	6,235	6,699
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	42,975	148	46,832	(D)	159,397	451,147
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ..... farms, 2007	1,518	12	2,165	3	10,749	27,407
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	181,781	(D)	84,062	(D)	540,606	2,017,731
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ..... farms, 2007	621	-	80	-	68	5
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	61,212	-	734	-	157	6
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ..... farms, 2007	-	66	638	-	320	1,038
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	(D)	5,430	-	1,778	18,393
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ..... farms, 2007	848	-	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	226,279	-	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ..... farms, 2007	52	161	225	6	3,136	5,635
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	335	3,811	848	(D)	93,198	132,312
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Total sales (see text) ....farms, 2007	41,959	107,825	29,524	47,712	3,131	4,166
2002	42,186	106,797	27,870	49,355	2,989	3,363
$1,000, 2007	4,876,781	7,512,926	2,803,062	15,506,035	513,269	199,051
2002	3,116,295	4,983,255	1,882,114	9,703,657	446,989	144,835
Average per farm ....dollars, 2007	116,227	69,677	94,942	324,992	163,931	47,780
2002	73,870	46,661	67,532	196,609	149,545	43,067
2007 value of sales:						
Less than $1,000 (see text) .... farms	18,389	30,541	9,986	9,086	878	1,434
$1,000	1,447	3,392	715	754	106	246
$1,000 to $2,499 .... farms	3,816	8,938	1,991	1,956	306	634
$1,000	6,307	15,075	3,327	3,233	507	1,048
$2,500 to $4,999 .... farms	3,659	10,172	1,784	1,792	269	466
$1,000	13,107	36,799	6,393	6,494	941	1,686
$5,000 to $9,999 .... farms	4,029	12,872	1,934	2,186	333	469
$1,000	28,572	92,203	13,790	15,794	2,329	3,258
$10,000 to $19,999 .... farms	3,630	12,377	2,070	2,819	262	362
$1,000	50,987	175,934	29,483	40,942	3,788	5,030
$20,000 to $24,999 .... farms	890	3,884	700	1,059	72	104
$1,000	19,597	85,945	15,502	23,477	1,585	2,246
$25,000 to $39,999 .... farms	1,361	7,346	1,458	2,568	154	195
$1,000	42,187	230,505	45,919	82,100	4,779	6,153
$40,000 to $49,999 .... farms	569	3,217	757	1,409	63	68
$1,000	25,155	142,415	33,612	62,519	2,767	2,992
$50,000 to $99,999 .... farms	1,070	6,634	2,464	5,261	179	148
$1,000	74,371	473,382	176,539	384,139	12,856	10,230
$100,000 to $249,999 .... farms	1,049	5,688	3,440	7,947	255	136
$1,000	171,387	931,139	563,632	1,314,877	41,570	20,713
$250,000 to $499,999 .... farms	852	2,959	1,807	5,708	157	85
$1,000	315,923	1,072,242	633,257	2,052,520	53,671	29,596
$500,000 or more .... farms	2,645	3,197	1,133	5,921	203	65
$1,000	4,127,741	4,253,896	1,280,893	11,519,186	388,370	115,854
2002 value of sales:						
Less than $1,000 (see text) .... farms	16,445	23,617	7,968	8,002	758	1,250
$1,000	1,331	2,719	499	502	79	187
$1,000 to $2,499 .... farms	6,001	12,492	2,149	1,818	350	507
$1,000	9,964	20,924	3,565	3,028	569	822
$2,500 to $4,999 .... farms	4,572	11,663	1,776	2,172	256	382
$1,000	16,267	42,110	6,327	7,889	921	1,327
$5,000 to $9,999 .... farms	4,260	15,249	2,162	3,077	291	344
$1,000	29,853	108,657	15,484	22,370	1,998	2,394
$10,000 to $19,999 .... farms	3,130	14,053	2,271	4,220	238	247
$1,000	43,316	197,248	32,405	60,740	3,350	3,434
$20,000 to $24,999 .... farms	762	4,034	772	1,633	74	56
$1,000	16,716	89,156	17,111	36,352	1,623	1,223
$25,000 to $39,999 .... farms	1,155	6,682	1,780	4,083	149	136
$1,000	36,173	209,274	56,409	129,416	4,676	4,090
$40,000 to $49,999 .... farms	433	2,660	938	1,947	65	58
$1,000	19,158	117,894	41,508	86,639	2,799	2,540
$50,000 to $99,999 .... farms	1,071	6,931	3,027	6,619	227	130
$1,000	75,649	487,292	215,811	477,834	16,309	9,255
$100,000 to $249,999 .... farms	1,206	5,271	3,399	8,834	276	130
$1,000	197,863	844,286	526,723	1,411,344	43,170	20,320
$250,000 to $499,999 .... farms	1,269	2,513	1,108	4,126	145	75
$1,000	465,843	869,753	373,328	1,421,255	50,710	25,996
$500,000 or more .... farms	1,882	1,632	520	2,824	160	48
$1,000	2,204,162	1,993,941	592,944	6,046,287	320,784	73,246
Value of sales by commodity or commodity group:						
Crops, including nursery and greenhouse ....farms, 2007	10,712	44,864	12,102	31,099	1,051	2,259
2002	9,724	42,853	11,439	31,493	968	1,730
$1,000, 2007	1,668,028	3,494,938	1,273,721	6,843,325	219,341	106,467
2002	1,025,385	1,992,446	733,324	3,388,265	157,730	83,149
Grains, oilseeds, dry beans, and dry peas ....farms, 2007	3,918	22,731	6,386	26,753	76	60
2002	3,884	24,793	6,517	28,070	97	47
$1,000, 2007	1,089,873	2,963,208	1,009,039	6,528,508	8,455	838
2002	457,364	1,546,535	507,090	3,091,884	(D)	1,246
Corn ....farms, 2007	2,113	15,663	461	23,236	31	55
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	430,983	1,365,543	28,168	4,427,937	2,392	837
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ....farms, 2007	1,003	7,612	5,428	8,012	38	1
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	85,569	171,548	816,021	407,325	5,678	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ....farms, 2007	2,695	19,048	8	17,192	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	405,236	1,272,702	(D)	1,487,283	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ....farms, 2007	305	1,098	2	1,994	1	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	32,893	33,141	(D)	74,590	(D)	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ....farms, 2007	-	54	2,307	35	6	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	163	102,202	194	283	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ....farms, 2007	341	435	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	134,617	115,434	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ....farms, 2007	72	443	1,240	2,274	3	4
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	574	4,675	62,527	131,180	(D)	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Total sales (see text) ..... farms, 2007	10,327	20,930	36,352	52,913	31,970	75,861
2002	9,924	15,170	37,255	53,930	30,619	77,797
$1,000, 2007	986,885	2,175,080	4,418,634	10,313,628	6,084,218	7,070,212
2002	749,872	1,700,030	3,117,834	6,961,686	3,233,366	4,263,549
Average per farm ..... dollars, 2007	95,564	103,922	121,551	194,917	190,310	93,200
2002	75,561	112,065	83,689	129,087	105,600	54,804
2007 value of sales:						
Less than $1,000 (see text) ..... farms	3,194	7,613	9,847	15,855	10,650	20,019
$1,000	1,071	976	1,394	2,484	397	2,940
$1,000 to $2,499 ..... farms	1,754	2,883	3,157	6,753	736	7,537
$1,000	2,766	4,669	5,178	11,000	1,241	12,511
$2,500 to $4,999 ..... farms	999	2,520	3,075	5,863	868	7,357
$1,000	3,522	8,934	11,042	20,983	3,131	26,333
$5,000 to $9,999 ..... farms	1,007	2,252	3,770	5,805	1,215	7,793
$1,000	7,011	15,518	26,785	41,134	8,884	55,802
$10,000 to $19,999 ..... farms	806	1,650	3,674	4,704	1,428	6,827
$1,000	11,271	22,945	51,093	64,868	20,723	97,442
$20,000 to $24,999 ..... farms	302	414	1,032	1,124	539	2,218
$1,000	6,573	9,124	22,778	24,723	12,005	49,279
$25,000 to $39,999 ..... farms	468	753	1,883	1,956	1,361	4,478
$1,000	14,747	23,397	59,246	61,285	43,335	142,141
$40,000 to $49,999 ..... farms	188	312	811	809	802	2,023
$1,000	8,280	13,830	35,982	35,730	35,518	90,602
$50,000 to $99,999 ..... farms	462	844	2,253	1,718	2,891	5,565
$1,000	31,849	60,242	161,929	121,445	211,633	402,232
$100,000 to $249,999 ..... farms	461	759	3,295	1,854	4,303	5,720
$1,000	72,630	120,633	544,576	309,261	721,316	927,974
$250,000 to $499,999 ..... farms	286	376	1,805	1,866	3,552	3,237
$1,000	99,373	132,249	630,352	688,110	1,269,432	1,153,405
$500,000 or more ..... farms	400	554	1,750	4,606	3,625	3,087
$1,000	727,792	1,762,563	2,868,278	8,932,607	3,756,602	4,109,551
2002 value of sales:						
Less than $1,000 (see text) ..... farms	2,927	5,519	9,825	13,520	8,634	18,939
$1,000	937	429	1,101	1,841	250	2,474
$1,000 to $2,499 ..... farms	2,306	1,993	4,418	8,576	677	9,979
$1,000	3,596	3,251	7,245	14,088	1,151	16,517
$2,500 to $4,999 ..... farms	991	1,408	3,364	6,350	1,004	9,022
$1,000	3,432	4,981	12,045	22,575	3,690	32,110
$5,000 to $9,999 ..... farms	820	1,443	3,223	5,925	1,471	8,718
$1,000	5,604	10,168	22,764	41,283	10,702	61,886
$10,000 to $19,999 ..... farms	692	1,208	3,278	4,585	2,165	8,161
$1,000	9,562	16,848	45,447	63,873	31,196	115,285
$20,000 to $24,999 ..... farms	259	378	898	1,273	915	2,482
$1,000	5,664	8,258	19,765	28,108	20,292	55,021
$25,000 to $39,999 ..... farms	347	623	1,880	1,848	1,965	4,431
$1,000	10,858	19,442	59,326	57,476	62,353	139,281
$40,000 to $49,999 ..... farms	142	270	845	854	1,108	1,900
$1,000	6,185	11,878	37,496	37,749	49,187	84,619
$50,000 to $99,999 ..... farms	381	740	3,073	2,208	3,851	5,297
$1,000	26,794	51,971	225,097	158,105	277,864	373,061
$100,000 to $249,999 ..... farms	463	773	3,878	2,630	5,221	5,384
$1,000	72,918	123,777	616,540	439,924	831,944	845,567
$250,000 to $499,999 ..... farms	256	349	1,491	2,579	2,381	2,288
$1,000	88,966	123,763	504,859	931,601	816,893	780,893
$500,000 or more ..... farms	340	466	1,082	3,582	1,227	1,196
$1,000	515,357	1,325,264	1,566,149	5,165,062	1,127,844	1,756,836
Value of sales by commodity or commodity group:						
Crops, including nursery and greenhouse ..... farms, 2007	6,505	7,441	20,009	23,575	18,127	45,060
2002	6,199	4,739	18,743	24,587	16,938	45,454
$1,000, 2007	851,653	553,140	1,561,927	2,606,279	5,038,521	4,109,722
2002	657,494	397,257	1,135,129	2,008,634	2,460,372	2,304,895
Grains, oilseeds, dry beans, and dry peas ..... farms, 2007	1,120	1,054	5,249	9,803	15,377	30,658
2002	1,083	742	4,786	9,513	15,015	30,873
$1,000, 2007	59,860	132,548	315,647	697,792	4,567,800	3,361,418
2002	29,885	68,256	156,300	359,296	2,083,788	1,541,122
Corn ..... farms, 2007	797	398	4,332	6,476	6,401	24,006
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	32,981	70,667	210,169	347,995	821,072	1,643,456
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ..... farms, 2007	317	525	1,039	3,179	12,282	11,426
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	6,656	43,005	28,470	96,691	1,845,619	204,871
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ..... farms, 2007	533	4	1,239	7,080	5,994	24,360
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	19,279	108	61,789	246,716	780,507	1,495,598
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ..... farms, 2007	16	260	45	233	12	50
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	118	12,546	122	1,495	44	909
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ..... farms, 2007	46	9	301	222	4,839	190
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	416	303	1,118	2,273	254,809	482
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ..... farms, 2007	-	-	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	-	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ..... farms, 2007	116	179	1,583	791	8,719	2,397
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	410	5,920	13,979	2,621	865,748	16,103
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Total sales (see text) ....farms, 2007	86,565	38,553	63,163	1,219	25,867
2002	83,300	40,033	58,105	858	24,541
$1,000, 2007	5,806,061	4,386,143	5,808,803	65,908	2,352,681
2002	4,456,404	3,195,497	4,256,959	55,546	1,489,750
Average per farm ....dollars, 2007	67,072	113,769	91,965	54,067	90,953
2002	53,498	79,822	73,263	64,740	60,705
2007 value of sales:					
Less than $1,000 (see text) ....farms	26,638	11,763	21,425	361	11,291
$1,000	3,400	2,196	3,032	54	1,177
$1,000 to $2,499 ....farms	8,031	5,687	6,070	126	3,045
$1,000	13,365	9,327	10,163	202	5,041
$2,500 to $4,999 ....farms	9,059	4,651	5,609	140	2,609
$1,000	32,379	16,493	20,095	511	9,290
$5,000 to $9,999 ....farms	10,731	3,934	5,746	147	2,875
$1,000	75,936	27,592	41,029	1,054	20,269
$10,000 to $19,999 ....farms	10,529	2,807	4,943	133	1,800
$1,000	147,880	38,969	70,203	1,874	25,452
$20,000 to $24,999 ....farms	2,965	923	1,545	46	489
$1,000	65,247	20,252	34,269	1,004	10,809
$25,000 to $39,999 ....farms	4,932	1,592	2,884	68	964
$1,000	153,476	49,613	90,821	2,092	30,345
$40,000 to $49,999 ....farms	1,954	680	1,219	25	325
$1,000	86,245	29,850	54,101	1,101	14,318
$50,000 to $99,999 ....farms	4,563	1,838	3,067	56	664
$1,000	320,139	129,394	222,378	3,896	46,571
$100,000 to $249,999 ....farms	3,651	1,939	5,695	57	515
$1,000	588,738	307,708	972,348	8,642	82,697
$250,000 to $499,999 ....farms	1,675	1,077	2,718	31	329
$1,000	603,357	380,667	955,587	10,369	119,053
$500,000 or more ....farms	1,837	1,662	2,242	29	961
$1,000	3,715,900	3,374,081	3,334,777	35,109	1,987,659
2002 value of sales:					
Less than $1,000 (see text) ....farms	20,060	11,060	17,658	207	10,752
$1,000	2,257	1,891	1,891	28	1,066
$1,000 to $2,499 ....farms	9,867	7,813	6,736	80	3,744
$1,000	16,412	12,606	11,172	132	6,148
$2,500 to $4,999 ....farms	9,925	4,737	5,881	110	2,543
$1,000	35,590	16,704	21,088	388	9,104
$5,000 to $9,999 ....farms	12,452	4,043	5,134	98	2,204
$1,000	87,909	28,351	36,297	659	15,466
$10,000 to $19,999 ....farms	10,056	3,107	4,643	94	1,683
$1,000	139,858	43,427	65,183	1,310	23,216
$20,000 to $24,999 ....farms	2,777	804	1,341	36	434
$1,000	61,345	17,698	29,660	795	9,515
$25,000 to $39,999 ....farms	5,437	1,591	2,217	45	676
$1,000	169,164	49,857	69,945	1,404	20,988
$40,000 to $49,999 ....farms	1,936	815	1,075	20	245
$1,000	85,330	35,978	47,701	864	10,854
$50,000 to $99,999 ....farms	4,340	1,876	3,823	56	600
$1,000	302,570	131,951	282,356	4,042	41,875
$100,000 to $249,999 ....farms	3,647	1,935	6,195	65	571
$1,000	568,762	313,626	956,471	10,375	92,109
$250,000 to $499,999 ....farms	1,609	1,113	1,977	19	399
$1,000	561,561	389,960	678,145	6,753	142,294
$500,000 or more ....farms	1,194	1,139	1,425	28	690
$1,000	2,425,646	2,153,448	2,057,051	28,797	1,117,115
Value of sales by commodity or commodity group:					
Crops, including nursery and greenhouse ....farms, 2007	26,515	16,488	33,119	705	8,781
2002	22,786	16,853	28,094	526	7,869
$1,000, 2007	1,187,625	2,976,087	1,869,706	55,602	798,490
2002	819,078	2,194,911	1,320,914	47,138	593,245
Grains, oilseeds, dry beans, and dry peas ....farms, 2007	9,450	1,845	15,771	20	3,365
2002	10,524	2,217	13,621	23	2,755
$1,000, 2007	698,093	316,772	500,428	94	214,661
2002	432,194	149,648	203,156	171	81,580
Corn ....farms, 2007	1,034	379	13,436	17	2,591
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	149,778	37,084	319,930	93	129,332
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ....farms, 2007	8,555	1,400	4,463	-	711
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	464,517	255,159	45,332	-	17,941
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ....farms, 2007	951	2	5,713	-	1,974
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	36,486	(D)	122,103	-	64,675
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ....farms, 2007	981	4	158	-	87
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	38,706	(D)	506	-	1,003
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ....farms, 2007	42	331	1,787	-	25
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	(D)	12,468	5,325	-	115
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ....farms, 2007	3	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	(D)	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ....farms, 2007	535	382	4,175	3	460
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	7,543	12,017	7,232	1	1,595
2002	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Total sales (see text) ..... farms, 2007	31,169	79,280	247,437	16,700	6,984
2002	31,736	87,595	228,926	15,282	6,571
$1,000, 2007	6,570,450	2,617,394	21,001,074	1,415,678	673,713
2002	3,834,625	2,199,814	14,134,744	1,115,898	473,065
Average per farm ..... dollars, 2007	210,801	33,015	84,874	84,771	96,465
2002	120,829	25,113	61,744	73,020	71,993
2007 value of sales:					
Less than $1,000 (see text) ..... farms	6,981	27,068	86,279	4,806	1,778
$1,000	465	4,089	11,329	685	341
$1,000 to $2,499 ..... farms	1,296	11,454	30,608	2,253	803
$1,000	2,174	19,346	50,794	3,710	1,297
$2,500 to $4,999 ..... farms	1,077	9,539	28,630	1,857	695
$1,000	3,860	34,108	102,467	6,595	2,511
$5,000 to $9,999 ..... farms	1,433	11,217	30,256	1,951	841
$1,000	10,349	79,899	213,977	13,855	5,930
$10,000 to $19,999 ..... farms	1,809	7,476	23,546	1,528	710
$1,000	26,034	104,602	328,934	21,289	9,633
$20,000 to $24,999 ..... farms	706	2,012	6,554	466	192
$1,000	15,727	44,182	144,638	10,255	4,207
$25,000 to $39,999 ..... farms	1,576	3,393	10,804	948	365
$1,000	50,300	105,537	338,673	29,897	11,501
$40,000 to $49,999 ..... farms	939	1,319	4,406	415	132
$1,000	41,910	58,180	194,666	18,463	5,850
$50,000 to $99,999 ..... farms	3,409	2,001	8,774	860	390
$1,000	247,296	139,821	612,408	60,967	28,264
$100,000 to $249,999 ..... farms	5,511	1,630	7,238	785	473
$1,000	919,156	262,088	1,154,800	125,943	77,936
$250,000 to $499,999 ..... farms	3,588	956	4,296	400	314
$1,000	1,267,732	342,793	1,544,859	141,815	108,787
$500,000 or more ..... farms	2,844	1,215	6,046	431	291
$1,000	3,985,447	1,422,750	16,303,529	982,202	417,456
2002 value of sales:					
Less than $1,000 (see text) ..... farms	5,765	24,910	64,572	5,628	1,705
$1,000	327	3,698	9,765	597	281
$1,000 to $2,499 ..... farms	1,187	17,831	37,501	1,664	968
$1,000	1,977	29,551	62,090	2,698	1,545
$2,500 to $4,999 ..... farms	1,412	12,859	32,353	1,455	699
$1,000	5,047	45,398	115,234	5,185	2,508
$5,000 to $9,999 ..... farms	1,774	12,311	29,248	1,399	610
$1,000	12,886	86,097	205,491	9,822	4,224
$10,000 to $19,999 ..... farms	2,528	8,129	23,027	1,350	517
$1,000	36,479	112,444	319,231	19,116	7,265
$20,000 to $24,999 ..... farms	1,002	1,883	5,565	383	116
$1,000	22,154	41,581	122,625	8,512	2,544
$25,000 to $39,999 ..... farms	2,472	2,822	9,582	720	262
$1,000	78,246	87,591	299,157	22,509	8,254
$40,000 to $49,999 ..... farms	1,366	869	3,645	308	134
$1,000	60,739	38,353	161,380	13,581	5,864
$50,000 to $99,999 ..... farms	4,564	2,133	8,769	788	393
$1,000	327,010	148,735	610,754	56,270	29,418
$100,000 to $249,999 ..... farms	6,117	1,915	7,465	788	716
$1,000	967,274	309,966	1,185,554	126,338	116,150
$250,000 to $499,999 ..... farms	2,324	1,131	3,836	419	269
$1,000	794,925	396,453	1,336,948	146,615	92,123
$500,000 or more ..... farms	1,225	802	3,363	380	182
$1,000	1,527,562	899,948	9,706,516	704,654	202,890
Value of sales by commodity or commodity group:					
Crops, including nursery and greenhouse ..... farms, 2007	18,146	23,108	67,997	6,974	4,027
2002	17,585	29,143	56,090	5,088	3,521
$1,000, 2007	3,383,497	1,147,786	6,565,576	372,396	99,262
2002	1,575,910	1,072,548	3,731,751	257,797	71,583
Grains, oilseeds, dry beans, and dry peas ..... farms, 2007	15,123	5,533	14,713	1,496	232
2002	14,792	5,361	16,490	1,158	138
$1,000, 2007	3,238,162	496,727	2,472,814	58,897	5,439
2002	1,406,137	344,880	1,099,460	30,139	2,768
Corn ..... farms, 2007	12,076	4,494	5,124	640	218
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	1,412,488	279,356	1,089,321	21,199	4,890
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ..... farms, 2007	7,144	1,340	8,372	599	6
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	713,110	46,088	689,274	30,173	124
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ..... farms, 2007	10,122	3,133	494	-	13
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	949,942	164,911	29,210	-	401
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ..... farms, 2007	421	78	6,154	7	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	19,786	3,083	540,821	89	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ..... farms, 2007	190	16	26	456	1
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	3,795	148	425	4,433	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ..... farms, 2007	-	6	385	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	2,293	98,385	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ..... farms, 2007	2,564	62	1,393	353	7
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	139,042	848	25,379	3,003	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Total sales (see text) ....farms, 2007	47,383	39,284	23,618	78,463	11,069
2002	47,606	35,939	20,812	77,131	9,422
$1,000, 2007	2,906,188	6,792,856	591,665	8,967,358	1,157,535
2002	2,360,911	5,330,740	482,814	5,623,275	863,887
Average per farm ....dollars, 2007	61,334	172,917	25,051	114,288	104,575
2002	49,593	148,327	23,199	72,906	91,688
2007 value of sales:					
Less than $1,000 (see text) ....farms	14,738	13,826	7,589	24,588	3,222
$1,000	2,248	1,852	1,777	3,130	298
$1,000 to $2,499 ....farms	5,453	4,617	4,844	5,708	698
$1,000	9,177	7,694	7,720	9,485	1,138
$2,500 to $4,999 ....farms	5,391	3,817	3,531	5,955	918
$1,000	19,645	13,456	12,477	21,676	3,249
$5,000 to $9,999 ....farms	6,191	3,717	2,913	6,732	947
$1,000	44,218	26,073	20,363	48,316	6,739
$10,000 to $19,999 ....farms	5,141	2,582	2,050	5,865	883
$1,000	72,012	36,135	28,205	83,710	12,428
$20,000 to $24,999 ....farms	1,456	841	488	1,867	378
$1,000	32,187	18,438	10,783	41,568	8,363
$25,000 to $39,999 ....farms	2,428	1,507	724	3,866	617
$1,000	75,928	47,606	22,468	123,068	19,602
$40,000 to $49,999 ....farms	971	683	309	1,838	305
$1,000	42,772	30,190	13,760	81,988	13,600
$50,000 to $99,999 ....farms	1,886	1,729	421	5,397	975
$1,000	132,093	121,344	28,982	389,003	70,601
$100,000 to $249,999 ....farms	1,421	1,950	314	8,550	1,176
$1,000	230,589	321,930	50,839	1,406,417	187,899
$250,000 to $499,999 ....farms	926	1,579	176	4,639	555
$1,000	339,141	563,523	61,461	1,603,196	196,789
$500,000 or more ....farms	1,381	2,436	259	3,458	395
$1,000	1,906,175	5,604,614	332,829	5,155,802	636,830
2002 value of sales:					
Less than $1,000 (see text) ....farms	11,418	10,420	7,835	24,161	2,067
$1,000	1,605	1,143	1,015	1,767	160
$1,000 to $2,499 ....farms	7,006	4,585	4,219	6,330	828
$1,000	11,788	7,454	6,709	10,461	1,393
$2,500 to $4,999 ....farms	6,669	3,244	2,712	5,389	575
$1,000	23,933	11,473	9,647	19,454	2,057
$5,000 to $9,999 ....farms	6,946	3,106	2,398	5,788	935
$1,000	48,954	21,600	16,732	41,633	6,652
$10,000 to $19,999 ....farms	5,424	2,628	1,533	6,128	900
$1,000	75,413	36,480	21,013	87,632	12,611
$20,000 to $24,999 ....farms	1,313	826	342	2,234	324
$1,000	29,035	18,162	7,543	49,569	7,164
$25,000 to $39,999 ....farms	2,200	1,643	523	3,924	622
$1,000	69,178	51,515	16,072	124,830	19,665
$40,000 to $49,999 ....farms	860	735	172	2,005	366
$1,000	38,088	32,358	7,596	89,555	16,255
$50,000 to $99,999 ....farms	1,849	2,157	383	7,242	998
$1,000	129,275	155,079	26,226	529,536	72,729
$100,000 to $249,999 ....farms	1,708	2,893	297	9,247	1,069
$1,000	277,501	470,504	46,513	1,454,143	168,621
$250,000 to $499,999 ....farms	1,137	1,741	172	2,945	441
$1,000	396,285	606,439	60,455	999,152	148,552
$500,000 or more ....farms	1,076	1,961	226	1,738	297
$1,000	1,259,855	3,918,533	263,294	2,215,542	408,030
Value of sales by commodity or commodity group:					
Crops, including nursery and greenhouse ....farms, 2007	16,493	16,374	9,086	43,189	3,622
2002	17,672	17,117	5,883	36,708	2,701
$1,000, 2007	858,301	4,754,898	78,308	2,669,326	213,808
2002	718,219	3,582,818	69,693	1,690,071	137,776
Grains, oilseeds, dry beans, and dry peas ....farms, 2007	4,119	3,378	697	27,775	1,051
2002	4,164	4,036	496	25,170	896
$1,000, 2007	269,782	958,931	11,960	1,643,341	72,618
2002	157,985	581,991	9,575	893,272	44,522
Corn ....farms, 2007	3,125	849	565	24,112	450
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	115,268	134,673	6,549	1,136,931	25,840
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Wheat ....farms, 2007	1,328	2,591	113	5,377	345
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	51,197	696,309	1,779	96,576	15,817
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Soybeans ....farms, 2007	2,121	11	119	13,821	2
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	97,961	642	3,399	390,672	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Sorghum ....farms, 2007	53	-	3	11	6
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	245	-	(D)	25	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Barley ....farms, 2007	472	827	35	479	338
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	3,863	58,084	89	1,272	15,346
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Rice ....farms, 2007	-	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	-	-	-	-	-
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Other grains, oilseeds, dry beans, and dry peas ....farms, 2007	352	816	113	5,718	344
2002	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	1,247	69,223	(D)	17,865	15,562
2002	(NA)	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		United States	Alabama	Alaska	Arizona	Arkansas	California
Total sales (see text) - Con.							
Value of sales by commodity or commodity group - Con.							
Crops, including nursery and greenhouse - Con.							
Tobacco	farms, 2007	16,228	-	-	-	-	-
	2002	56,879	6	-	-	-	-
	$1,000, 2007	1,268,114	-	-	-	-	-
	2002	1,616,533	698	-	-	-	-
Cotton and cottonseed	farms, 2007	18,591	918	-	301	915	854
	2002	24,721	1,305	-	409	1,192	1,392
	$1,000, 2007	4,898,608	104,632	-	147,761	473,019	586,267
	2002	4,005,366	125,232	-	150,682	379,253	682,996
Vegetables, melons, potatoes, and sweet potatoes [1]	farms, 2007	69,100	1,602	95	2,518	809	3,958
	2002	59,044	1,407	86	282	516	4,131
	$1,000, 2007	14,683,058	33,902	4,281	865,260	38,145	5,435,521
	2002	12,785,898	40,649	4,017	749,667	23,342	4,785,101
Fruits, tree nuts, and berries	farms, 2007	112,690	1,708	41	1,326	620	38,034
	2002	107,707	1,548	22	1,192	599	36,386
	$1,000, 2007	18,625,459	27,610	75	97,745	13,209	11,054,581
	2002	13,770,603	20,543	(D)	(D)	12,920	8,720,660
Nursery, greenhouse, floriculture, and sod (see text)	farms, 2007	50,784	675	138	281	357	3,634
	2002	56,070	797	111	367	330	4,423
	$1,000, 2007	16,632,734	264,807	15,478	417,792	48,049	3,647,057
	2002	14,686,390	251,463	12,680	284,463	46,982	3,286,627
Cut Christmas trees and short-rotation woody crops	farms, 2007	13,374	59	-	10	51	322
	2002	14,744	91	2	15	41	403
	$1,000, 2007	384,594	1,036	-	19	1,168	5,704
	2002	399,848	1,200	(D)	(D)	332	12,028
Other crops and hay (see text)	farms, 2007	434,502	8,976	201	849	9,555	5,265
	2002	359,262	6,234	198	777	5,915	5,730
	$1,000, 2007	9,950,098	124,344	4,328	266,943	74,476	1,068,522
	2002	7,929,618	87,535	3,057	186,297	34,672	943,216
Livestock, poultry, and their products	farms, 2007	1,080,312	28,121	303	8,301	29,296	23,192
	2002	1,094,608	28,496	262	3,220	30,956	22,342
	$1,000, 2007	153,562,563	3,738,563	32,271	1,321,538	4,607,833	10,982,043
	2002	105,494,401	2,674,681	25,600	807,672	3,330,014	6,584,451
Poultry and eggs	farms, 2007	148,911	4,884	88	1,022	5,640	4,114
	2002	83,381	3,839	47	303	5,148	1,980
	$1,000, 2007	37,065,947	3,113,194	207	(D)	3,716,164	1,536,763
	2002	23,972,333	2,137,299	104	(D)	2,617,592	1,017,988
Cattle and calves	farms, 2007	798,290	21,356	75	4,078	23,731	12,681
	2002	851,971	23,088	83	2,030	25,955	12,897
	$1,000, 2007	61,209,970	408,276	768	585,479	625,996	2,536,571
	2002	45,115,184	348,253	759	403,959	421,266	1,582,334
Milk and other dairy products from cows	farms, 2007	69,763	165	7	190	369	1,953
	2002	78,963	266	18	127	396	2,422
	$1,000, 2007	31,848,029	38,270	1,487	634,509	44,770	6,569,172
	2002	20,281,166	46,129	3,246	352,784	54,049	3,739,213
Hogs and pigs	farms, 2007	74,789	547	50	284	954	1,267
	2002	82,028	561	47	168	867	1,513
	$1,000, 2007	18,056,981	54,618	242	(D)	84,202	34,188
	2002	12,400,977	39,441	205	(D)	123,803	27,488
Sheep, goats, and their products	farms, 2007	121,171	2,410	40	3,437	1,584	4,635
	2002	96,249	1,383	36	441	1,033	4,256
	$1,000, 2007	704,855	3,128	48	(D)	2,573	71,890
	2002	541,745	1,534	29	4,028	1,604	52,418
Horses, ponies, mules, burros, and donkeys	farms, 2007	114,317	3,039	44	1,452	2,512	3,937
	2002	128,045	2,885	29	900	2,707	4,033
	$1,000, 2007	2,061,862	13,434	247	12,126	9,877	72,433
	2002	1,328,733	13,851	111	(D)	12,865	32,397
Aquaculture (see text)	farms, 2007	6,409	313	51	15	248	217
	2002	6,653	449	47	10	244	204
	$1,000, 2007	1,415,271	99,504	28,540	2,713	118,744	102,228
	2002	1,132,524	80,976	20,807	755	92,638	64,557
Other animals and other animal products (see text)	farms, 2007	43,226	586	66	249	668	1,583
	2002	29,391	412	59	151	509	1,665
	$1,000, 2007	1,199,649	8,140	731	7,206	5,507	58,798
	2002	721,738	7,198	339	1,976	6,196	68,057
Value of agricultural products sold directly to individuals for human consumption (see text)	farms, 2007	136,817	2,175	149	863	1,657	7,068
	2002	116,733	1,822	110	711	1,476	6,436
	$1,000, 2007	1,211,270	8,325	1,682	5,247	8,161	162,896
	2002	812,204	8,039	829	3,911	5,674	114,356

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Total sales (see text) - Con.						
Value of sales by commodity or commodity group - Con.						
Crops, including nursery and greenhouse - Con.						
Tobacco ....farms, 2007	-	75	-	23	224	-
2002	-	80	-	115	822	-
$1,000, 2007	-	56,976	-	4,715	56,978	-
2002	-	36,233	-	15,919	89,058	-
Cotton and cottonseed ....farms, 2007	-	-	-	213	2,577	-
2002	-	-	-	267	3,206	-
$1,000, 2007	-	-	-	28,469	434,014	-
2002	-	-	-	21,037	318,013	-
Vegetables, melons, potatoes, and sweet potatoes [1] ....farms, 2007	738	733	234	1,493	1,346	866
2002	654	582	248	1,559	1,715	666
$1,000, 2007	289,345	30,230	71,479	1,422,150	459,612	61,256
2002	297,752	19,120	50,773	1,013,022	383,556	54,554
Fruits, tree nuts, and berries ....farms, 2007	767	499	64	8,858	3,397	3,667
2002	582	366	67	9,674	3,611	2,582
$1,000, 2007	23,192	28,641	(D)	2,144,718	201,504	154,315
2002	15,735	14,721	2,496	1,611,562	122,151	179,475
Nursery, greenhouse, floriculture, and sod (see text) ....farms, 2007	564	638	175	4,778	1,030	1,628
2002	535	685	129	4,718	1,199	1,386
$1,000, 2007	299,585	269,221	17,114	2,115,641	317,291	119,593
2002	261,426	245,773	22,420	1,844,064	315,324	110,282
Cut Christmas trees and short-rotation woody crops ....farms, 2007	122	338	41	53	144	44
2002	91	382	58	79	188	19
$1,000, 2007	1,238	3,840	(D)	390	3,380	282
2002	398	3,407	401	1,056	2,095	336
Other crops and hay (see text) ....farms, 2007	9,415	1,493	218	3,312	8,593	274
2002	6,410	1,064	227	2,484	7,691	271
$1,000, 2007	318,285	10,148	2,375	506,801	368,738	75,118
2002	192,590	6,863	1,921	516,974	246,936	86,061
Livestock, poultry, and their products ....farms, 2007	17,525	2,040	1,372	21,333	23,271	1,531
2002	16,866	1,490	1,306	20,824	25,319	1,007
$1,000, 2007	4,079,735	150,181	872,400	1,529,000	4,970,596	83,711
2002	3,308,918	143,110	468,449	1,200,839	3,332,156	88,067
Poultry and eggs ....farms, 2007	2,515	801	978	2,984	5,041	282
2002	861	415	857	1,387	3,883	110
$1,000, 2007	161,320	45,274	837,378	410,148	4,246,765	(D)
2002	113,256	62,411	440,774	336,295	2,780,214	12,545
Cattle and calves ....farms, 2007	11,963	805	307	14,146	16,261	713
2002	11,877	715	276	14,149	18,770	550
$1,000, 2007	3,156,348	9,405	7,567	436,193	342,392	44,011
2002	2,632,740	7,025	3,254	328,820	240,070	30,719
Milk and other dairy products from cows ....farms, 2007	447	261	83	227	651	5
2002	260	218	89	452	517	10
$1,000, 2007	456,076	72,338	21,715	412,211	264,423	7,018
2002	247,095	56,523	20,651	371,691	212,720	21,745
Hogs and pigs ....farms, 2007	1,230	251	84	1,326	830	148
2002	1,158	176	86	1,090	995	158
$1,000, 2007	159,808	616	2,754	2,220	68,369	(D)
2002	179,415	(D)	2,853	3,154	65,384	4,612
Sheep, goats, and their products ....farms, 2007	2,273	434	140	2,001	2,244	266
2002	1,926	269	78	1,249	1,792	145
$1,000, 2007	84,730	1,094	(D)	2,419	4,137	923
2002	72,479	528	45	1,348	1,940	1,081
Horses, ponies, mules, burros, and donkeys ....farms, 2007	3,324	221	92	3,576	2,357	96
2002	3,764	156	150	3,996	2,677	82
$1,000, 2007	29,304	4,868	2,278	167,784	21,326	(D)
2002	21,365	2,671	588	73,858	16,573	418
Aquaculture (see text) ....farms, 2007	55	49	4	469	146	59
2002	66	41	13	777	159	67
$1,000, 2007	11,258	15,142	(D)	61,340	14,075	14,057
2002	28,805	12,848	240	56,949	5,310	14,005
Other animals and other animal products (see text) ....farms, 2007	1,052	271	57	1,206	762	196
2002	896	221	23	1,062	433	65
$1,000, 2007	20,890	1,444	203	36,686	9,109	5,787
2002	13,763	(D)	43	28,724	9,944	2,940
Value of agricultural products sold directly to individuals for human consumption (see text) ....farms, 2007	2,777	1,099	216	3,181	1,890	1,141
2002	2,343	853	149	2,479	1,626	796
$1,000, 2007	22,584	29,752	3,505	19,363	13,146	8,657
2002	17,406	17,108	2,856	12,370	8,958	7,089

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Total sales (see text) - Con.							
Value of sales by commodity or commodity group - Con.							
Crops, including nursery and greenhouse - Con.							
Tobacco	farms, 2007	-	13	267	-	-	8,112
	2002	-	6	1,286	3	12	29,253
	$1,000, 2007	-	2,620	6,598	-	-	314,151
	2002	-	955	13,290	29	(D)	403,991
Cotton and cottonseed	farms, 2007	-	-	-	-	110	-
	2002	-	-	-	-	162	-
	$1,000, 2007	-	-	-	-	13,673	-
	2002	-	-	-	-	15,762	-
Vegetables, melons, potatoes, and sweet potatoes [1]	farms, 2007	1,259	1,382	1,380	885	474	2,098
	2002	1,307	1,115	1,175	757	270	1,474
	$1,000, 2007	783,807	103,914	78,719	16,310	24,767	20,937
	2002	752,994	98,067	77,583	19,491	14,317	17,757
Fruits, tree nuts, and berries	farms, 2007	420	627	749	735	344	713
	2002	340	772	676	412	209	723
	$1,000, 2007	30,036	10,246	19,193	7,371	7,293	3,088
	2002	17,471	18,559	15,787	4,496	(D)	5,941
Nursery, greenhouse, floriculture, and sod (see text)	farms, 2007	548	1,159	888	536	399	1,191
	2002	458	1,108	1,117	554	369	1,193
	$1,000, 2007	87,373	435,073	126,241	93,813	77,031	87,748
	2002	66,297	357,506	187,529	77,610	57,561	96,094
Cut Christmas trees and short-rotation woody crops	farms, 2007	80	248	202	169	67	129
	2002	56	338	265	215	102	143
	$1,000, 2007	2,096	6,473	2,662	1,026	473	876
	2002	862	7,633	2,775	1,424	(D)	1,019
Other crops and hay (see text)	farms, 2007	7,853	9,216	8,493	12,209	13,231	21,670
	2002	6,911	8,005	8,449	12,703	12,466	17,200
	$1,000, 2007	615,179	60,325	64,391	102,032	253,930	110,671
	2002	469,820	53,716	48,800	109,695	225,361	67,080
Livestock, poultry, and their products	farms, 2007	12,627	22,851	23,677	38,275	31,417	46,912
	2002	12,155	23,957	24,616	40,829	32,818	47,382
	$1,000, 2007	3,363,976	2,452,692	2,952,272	10,074,511	9,525,971	3,419,792
	2002	2,121,090	1,804,697	1,790,411	6,202,362	6,327,797	1,969,871
Poultry and eggs	farms, 2007	1,075	2,708	3,798	3,174	2,388	4,088
	2002	631	1,063	1,614	1,572	1,102	1,649
	$1,000, 2007	12,673	163,507	887,196	872,263	69,807	978,025
	2002	12,636	83,807	455,153	511,949	(D)	561,178
Cattle and calves	farms, 2007	9,662	16,046	15,088	27,535	27,565	38,212
	2002	9,035	17,699	16,879	29,515	29,589	40,429
	$1,000, 2007	1,383,742	808,487	456,657	3,606,633	8,542,872	935,611
	2002	1,149,407	624,976	324,054	2,119,935	5,715,204	622,855
Milk and other dairy products from cows	farms, 2007	809	1,255	2,071	2,465	795	2,273
	2002	790	1,442	2,345	2,913	842	2,208
	$1,000, 2007	1,843,788	340,336	583,212	689,680	376,511	250,305
	2002	869,526	226,761	333,339	442,431	248,542	214,365
Hogs and pigs	farms, 2007	728	3,063	3,790	8,758	1,542	1,210
	2002	980	4,313	4,603	11,275	1,939	1,220
	$1,000, 2007	6,757	1,105,271	974,290	4,827,224	506,448	90,198
	2002	3,260	844,360	633,112	3,078,455	297,505	69,722
Sheep, goats, and their products	farms, 2007	1,516	2,551	3,000	4,386	1,876	3,508
	2002	1,398	2,049	2,525	3,842	1,569	2,270
	$1,000, 2007	27,373	6,523	7,422	40,199	12,027	7,208
	2002	22,212	3,591	4,419	23,366	5,986	4,679
Horses, ponies, mules, burros, and donkeys	farms, 2007	1,873	1,801	2,749	2,706	1,862	5,391
	2002	2,396	2,269	3,538	2,845	2,120	5,315
	$1,000, 2007	12,808	16,748	15,472	12,681	8,637	952,384
	2002	10,267	15,327	17,440	13,643	(D)	491,345
Aquaculture (see text)	farms, 2007	70	54	31	40	26	81
	2002	85	54	47	47	30	146
	$1,000, 2007	56,219	4,011	2,567	3,507	2,228	2,683
	2002	39,840	2,282	3,151	2,308	745	2,017
Other animals and other animal products (see text)	farms, 2007	527	896	1,057	940	671	1,262
	2002	301	458	651	563	393	744
	$1,000, 2007	20,615	7,807	25,457	22,324	7,441	203,380
	2002	13,940	3,594	19,743	10,276	5,002	3,709
Value of agricultural products sold directly to individuals for human consumption (see text)	farms, 2007	2,076	2,818	3,576	2,987	2,140	3,445
	2002	1,632	2,333	3,205	2,455	1,796	2,565
	$1,000, 2007	7,840	25,893	22,268	16,506	9,272	15,173
	2002	5,889	18,412	17,968	11,651	9,001	10,497

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Total sales (see text) - Con.						
Value of sales by commodity or commodity group - Con.						
Crops, including nursery and greenhouse - Con.						
Tobacco ....farms, 2007	-	-	69	59	-	-
2002	6	-	160	50	-	-
$1,000, 2007	-	-	1,367	15,775	-	-
2002	(D)	-	2,713	15,355	-	-
Cotton and cottonseed ....farms, 2007	644	-	-	-	-	-
2002	1,072	-	-	-	-	-
$1,000, 2007	173,959	-	-	-	-	-
2002	158,806	-	-	-	-	-
Vegetables, melons, potatoes, and sweet potatoes [1] ....farms, 2007	748	976	940	1,010	2,871	2,720
2002	659	977	843	880	2,676	2,774
$1,000, 2007	53,448	155,147	56,394	59,180	347,305	275,912
2002	40,319	126,049	60,488	38,289	322,510	291,285
Fruits, tree nuts, and berries ....farms, 2007	926	1,102	608	1,207	3,407	934
2002	886	998	468	1,086	2,797	655
$1,000, 2007	19,358	85,183	19,393	100,623	392,472	18,517
2002	(D)	33,970	12,967	55,508	181,469	12,948
Nursery, greenhouse, floriculture, and sod (see text) ....farms, 2007	498	676	691	814	2,128	918
2002	665	769	769	902	2,185	983
$1,000, 2007	103,154	51,687	208,692	169,167	623,097	239,354
2002	87,833	37,334	188,484	153,540	628,699	224,410
Cut Christmas trees and short-rotation woody crops ....farms, 2007	87	236	180	280	900	280
2002	113	216	204	306	1,076	327
$1,000, 2007	4,670	(D)	2,398	(D)	29,155	4,984
2002	(D)	2,293	2,313	1,800	30,411	11,855
Other crops and hay (see text) ....farms, 2007	3,521	2,401	2,850	1,906	14,547	16,042
2002	2,816	1,757	2,129	1,449	12,504	15,306
$1,000, 2007	399,517	(D)	33,115	(D)	227,165	573,994
2002	396,391	14,916	15,682	11,220	208,618	471,367
Livestock, poultry, and their products ....farms, 2007	15,107	3,233	5,970	3,187	20,306	31,511
2002	15,050	2,546	5,426	2,114	18,203	33,319
$1,000, 2007	1,013,334	290,617	1,205,787	125,338	2,423,291	6,131,554
2002	750,192	241,247	843,101	107,244	1,409,807	4,012,745
Poultry and eggs ....farms, 2007	1,568	1,195	1,833	1,269	4,831	4,392
2002	1,081	734	1,316	565	2,206	2,667
$1,000, 2007	575,989	75,831	903,531	13,207	258,994	1,045,674
2002	417,755	78,848	583,343	12,107	146,700	750,088
Cattle and calves ....farms, 2007	10,977	1,447	2,947	1,066	11,631	22,122
2002	11,925	1,223	3,004	795	11,293	22,961
$1,000, 2007	223,922	15,660	58,293	12,444	449,371	1,385,740
2002	170,569	15,994	50,570	9,612	298,517	873,074
Milk and other dairy products from cows ....farms, 2007	321	461	676	310	2,453	5,258
2002	445	436	730	264	2,738	6,226
$1,000, 2007	72,020	126,392	192,426	50,485	1,285,571	1,475,929
2002	82,866	87,544	169,458	(D)	697,920	931,754
Hogs and pigs ....farms, 2007	525	460	454	350	2,930	4,748
2002	540	310	379	250	2,336	6,390
$1,000, 2007	1,235	813	(D)	2,108	357,495	2,139,877
2002	(D)	(D)	8,268	(D)	200,027	1,398,234
Sheep, goats, and their products ....farms, 2007	893	709	1,137	697	2,762	2,944
2002	594	490	745	459	2,307	2,891
$1,000, 2007	889	1,979	(D)	(D)	8,867	18,725
2002	392	801	1,179	1,127	6,613	13,351
Horses, ponies, mules, burros, and donkeys ....farms, 2007	2,554	322	813	348	3,010	2,238
2002	1,940	393	674	324	3,286	3,184
$1,000, 2007	20,118	(D)	31,815	5,703	23,550	11,424
2002	(D)	2,802	23,760	3,879	23,743	14,669
Aquaculture (see text) .... farms, 2007	729	98	48	273	87	104
2002	474	78	48	140	83	103
$1,000, 2007	109,138	26,300	4,023	18,548	5,721	12,492
2002	41,285	31,944	1,459	9,481	3,316	8,991
Other animals and other animal products (see text) ....farms, 2007	386	359	452	449	1,497	1,193
2002	280	278	270	312	1,152	1,039
$1,000, 2007	10,022	(D)	3,920	(D)	33,721	41,692
2002	24,979	(D)	5,065	19,589	32,972	22,584
Value of agricultural products sold directly to individuals for human consumption (see text) ....farms, 2007	1,276	1,705	1,407	1,659	6,373	4,293
2002	1,216	1,454	1,168	1,259	4,925	3,847
$1,000, 2007	9,175	18,419	21,220	42,065	58,923	34,667
2002	4,897	11,237	12,551	31,315	37,269	22,763

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Total sales (see text) - Con.							
Value of sales by commodity or commodity group - Con.							
Crops, including nursery and greenhouse - Con.							
Tobacco	farms, 2007	-	111	-	-	-	-
	2002	7	338	-	-	-	-
	$1,000, 2007	-	5,022	-	-	-	-
	2002	496	5,854	-	-	-	-
Cotton and cottonseed	farms, 2007	980	498	-	-	-	-
	2002	1,590	596	-	-	-	-
	$1,000, 2007	362,705	164,714	-	-	-	-
	2002	444,136	137,378	-	-	-	-
Vegetables, melons, potatoes, and sweet potatoes [1]	farms, 2007	1,156	1,340	315	344	49	426
	2002	903	961	242	261	54	320
	$1,000, 2007	82,498	61,705	39,429	63,840	56,356	12,716
	2002	39,942	36,723	28,027	58,337	35,689	8,465
Fruits, tree nuts, and berries	farms, 2007	962	606	412	253	42	419
	2002	1,001	1,113	372	158	51	278
	$1,000, 2007	33,498	4,315	7,877	2,594	(D)	12,968
	2002	14,093	22,823	5,771	1,375	(D)	9,321
Nursery, greenhouse, floriculture, and sod (see text)	farms, 2007	479	913	367	371	45	382
	2002	390	932	318	355	50	337
	$1,000, 2007	46,007	121,280	29,472	41,215	11,949	65,554
	2002	38,967	101,316	33,832	34,259	10,115	53,691
Cut Christmas trees and short-rotation woody crops	farms, 2007	147	131	51	71	1	181
	2002	162	196	54	84	2	173
	$1,000, 2007	7,936	1,078	232	592	(D)	(D)
	2002	7,611	1,843	623	797	(D)	2,028
Other crops and hay (see text)	farms, 2007	4,907	25,596	6,981	9,733	942	1,453
	2002	3,702	21,460	6,234	9,395	856	1,099
	$1,000, 2007	45,511	173,618	187,672	206,577	141,930	(D)
	2002	22,776	139,973	157,980	201,613	108,678	8,398
Livestock, poultry, and their products	farms, 2007	19,262	60,300	14,392	23,869	1,808	1,827
	2002	21,399	65,589	14,587	26,809	1,855	1,301
	$1,000, 2007	3,208,753	4,017,988	1,529,340	8,662,710	293,928	92,584
	2002	2,090,909	2,990,809	1,148,791	6,315,392	289,259	61,686
Poultry and eggs	farms, 2007	3,262	6,114	1,396	1,875	213	793
	2002	2,867	3,103	501	722	148	391
	$1,000, 2007	2,438,690	1,265,166	7,975	165,265	(D)	15,390
	2002	1,490,748	784,986	5,243	142,442	(D)	6,251
Cattle and calves	farms, 2007	14,535	52,060	11,526	20,218	1,260	599
	2002	16,494	57,957	11,793	23,416	1,283	526
	$1,000, 2007	323,621	1,676,632	1,368,699	7,358,555	181,758	6,743
	2002	228,346	1,285,288	1,015,169	5,401,018	215,054	5,140
Milk and other dairy products from cows	farms, 2007	219	2,777	380	494	57	225
	2002	431	3,233	235	642	47	194
	$1,000, 2007	62,875	302,684	54,761	172,066	98,526	59,132
	2002	67,954	300,460	41,842	148,941	62,074	(D)
Hogs and pigs	farms, 2007	439	2,971	565	2,482	70	298
	2002	504	3,752	542	3,594	102	212
	$1,000, 2007	129,424	725,738	36,331	923,209	(D)	518
	2002	82,298	570,551	26,531	590,581	930	(D)
Sheep, goats, and their products	farms, 2007	1,026	3,677	1,522	1,637	330	514
	2002	794	2,598	1,860	1,481	338	351
	$1,000, 2007	1,659	9,580	20,962	10,072	7,003	(D)
	2002	673	5,508	21,210	8,288	6,352	785
Horses, ponies, mules, burros, and donkeys	farms, 2007	2,004	4,482	2,086	1,657	398	198
	2002	2,684	5,710	2,527	1,761	448	174
	$1,000, 2007	9,259	21,369	13,683	9,130	3,370	(D)
	2002	11,390	27,111	12,870	11,098	2,928	875
Aquaculture (see text)	farms, 2007	488	72	28	38	5	25
	2002	515	85	26	39	16	16
	$1,000, 2007	237,883	9,506	3,188	3,826	(D)	3,734
	2002	207,181	11,107	4,185	2,170	(D)	3,340
Other animals and other animal products (see text)	farms, 2007	514	1,254	407	408	64	289
	2002	272	874	444	309	76	165
	$1,000, 2007	5,343	7,313	23,742	20,585	898	(D)
	2002	2,319	5,796	21,740	10,853	650	1,024
Value of agricultural products sold directly to individuals for human consumption (see text)	farms, 2007	1,229	4,341	1,287	1,288	200	982
	2002	1,192	3,942	1,164	1,088	246	748
	$1,000, 2007	9,659	20,982	6,321	5,902	1,074	16,021
	2002	7,506	14,712	4,523	4,015	1,606	10,420

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Total sales (see text) - Con.						
Value of sales by commodity or commodity group - Con.						
Crops, including nursery and greenhouse - Con.						
Tobacco ....farms, 2007	-	-	-	2,622	-	475
2002	-	-	1	7,836	-	1,835
$1,000, 2007	-	-	-	549,636	-	10,229
2002	-	-	(D)	630,397	-	17,244
Cotton and cottonseed ....farms, 2007	-	198	-	1,305	-	-
2002	-	271	-	2,091	-	-
$1,000, 2007	-	26,006	-	211,129	-	-
2002	-	25,704	-	181,835	-	-
Vegetables, melons, potatoes, and sweet potatoes [1] ....farms, 2007	1,453	1,706	3,189	3,745	227	2,902
2002	1,442	446	2,759	3,005	261	2,376
$1,000, 2007	181,543	88,996	338,037	333,939	162,655	135,355
2002	167,956	96,914	322,577	215,247	133,894	136,844
Fruits, tree nuts, and berries ....farms, 2007	1,064	2,484	3,227	1,765	66	1,865
2002	966	2,102	2,989	1,376	23	1,814
$1,000, 2007	147,933	105,867	363,295	79,288	(D)	45,419
2002	87,148	59,061	180,540	55,756	(D)	34,532
Nursery, greenhouse, floriculture, and sod (see text) ....farms, 2007	1,682	231	2,009	2,317	71	2,104
2002	1,828	223	2,552	2,587	78	2,678
$1,000, 2007	442,953	60,267	389,117	573,529	9,126	444,855
2002	356,863	41,585	344,320	424,478	11,025	464,617
Cut Christmas trees and short-rotation woody crops ....farms, 2007	884	17	844	934	12	594
2002	899	20	1,001	1,043	15	775
$1,000, 2007	2,612	8	8,819	65,023	(D)	7,285
2002	3,852	369	(D)	57,625	(D)	9,323
Other crops and hay (see text) ....farms, 2007	2,493	3,691	12,091	9,366	6,819	16,062
2002	2,054	2,187	11,028	8,400	4,972	15,079
$1,000, 2007	16,751	139,447	147,013	95,943	298,303	105,160
2002	11,791	105,368	118,837	84,001	231,530	101,213
Livestock, poultry, and their products ....farms, 2007	4,017	10,550	17,317	26,448	11,352	33,031
2002	3,553	7,171	17,570	26,948	12,273	34,837
$1,000, 2007	135,233	1,621,940	2,856,706	7,707,350	1,045,697	2,960,490
2002	92,378	1,302,773	1,982,706	4,953,052	772,994	1,958,654
Poultry and eggs ....farms, 2007	1,360	1,150	3,810	6,003	578	5,539
2002	910	465	1,742	4,807	243	3,452
$1,000, 2007	33,044	(D)	123,727	4,087,004	28,496	883,301
2002	26,041	17,468	106,620	2,382,365	22,365	604,808
Cattle and calves ....farms, 2007	1,136	7,021	10,898	15,953	10,025	21,438
2002	1,227	5,622	11,972	18,584	10,944	22,938
$1,000, 2007	9,559	576,025	318,080	288,801	856,489	565,746
2002	7,094	533,952	251,121	185,222	625,070	408,242
Milk and other dairy products from cows ....farms, 2007	158	253	5,799	472	410	3,681
2002	138	182	6,681	706	551	4,255
$1,000, 2007	34,091	1,009,671	2,280,218	161,373	78,959	861,632
2002	29,154	730,083	1,560,895	150,406	65,450	551,877
Hogs and pigs ....farms, 2007	381	351	1,817	2,459	351	4,505
2002	378	306	1,490	2,332	474	4,976
$1,000, 2007	2,349	375	28,302	3,104,731	34,910	571,685
2002	2,313	381	14,005	2,183,646	25,888	322,687
Sheep, goats, and their products ....farms, 2007	1,218	2,577	2,252	3,544	742	4,907
2002	949	904	2,432	2,267	820	4,848
$1,000, 2007	1,784	(D)	10,246	6,632	8,479	14,186
2002	1,482	9,433	9,421	2,960	6,979	9,971
Horses, ponies, mules, burros, and donkeys ....farms, 2007	847	1,354	2,026	2,730	831	3,404
2002	878	1,186	2,200	2,621	972	5,658
$1,000, 2007	33,732	7,856	50,616	17,959	(D)	26,271
2002	18,314	6,600	15,223	15,202	(D)	31,260
Aquaculture (see text) .... farms, 2007	116	16	127	311	4	140
2002	50	19	157	202	6	100
$1,000, 2007	6,637	3,228	20,417	32,175	(D)	6,582
2002	2,223	1,604	15,185	17,669	(D)	3,338
Other animals and other animal products (see text) ....farms, 2007	444	304	1,439	1,591	369	2,576
2002	313	170	1,021	683	349	1,707
$1,000, 2007	14,036	2,982	25,101	8,676	33,986	31,088
2002	5,758	3,254	10,235	15,581	20,866	26,471
Value of agricultural products sold directly to individuals for human consumption (see text) ....farms, 2007	1,931	1,529	5,338	3,712	444	6,827
2002	1,769	1,071	4,651	3,054	452	6,205
$1,000, 2007	30,106	11,193	77,464	29,144	2,429	54,270
2002	19,126	6,582	59,724	17,245	1,765	37,217

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Total sales (see text) - Con.						
Value of sales by commodity or commodity group - Con.						
Crops, including nursery and greenhouse - Con.						
Tobacco	farms, 2007	-	-	1,151	-	257
	2002	-	-	893	-	874
	$1,000, 2007	-	-	28,156	-	73,026
	2002	-	-	15,413	-	104,521
Cotton and cottonseed	farms, 2007	421	-	-	-	456
	2002	581	-	-	-	489
	$1,000, 2007	68,169	-	-	-	46,274
	2002	43,685	-	-	-	33,101
Vegetables, melons, potatoes, and sweet potatoes [1]	farms, 2007	842	1,462	4,300	208	1,511
	2002	586	1,879	3,779	142	1,080
	$1,000, 2007	25,315	339,388	125,623	8,111	126,311
	2002	19,276	353,996	125,923	5,527	90,457
Fruits, tree nuts, and berries	farms, 2007	2,204	4,187	3,222	159	1,013
	2002	2,078	4,755	2,547	102	1,077
	$1,000, 2007	17,543	515,582	151,101	4,483	34,481
	2002	11,863	277,745	109,383	2,358	40,003
Nursery, greenhouse, floriculture, and sod (see text)	farms, 2007	471	2,583	2,719	260	623
	2002	578	3,039	3,073	225	771
	$1,000, 2007	204,020	989,483	892,279	40,739	227,041
	2002	168,259	806,851	732,709	37,593	219,980
Cut Christmas trees and short-rotation woody crops	farms, 2007	63	1,320	1,205	49	179
	2002	73	1,106	1,326	60	152
	$1,000, 2007	785	116,759	22,727	(D)	7,558
	2002	636	107,984	31,193	658	2,427
Other crops and hay (see text)	farms, 2007	16,697	8,626	17,525	238	3,893
	2002	12,234	8,225	13,818	156	2,933
	$1,000, 2007	173,699	698,104	149,392	(D)	69,138
	2002	143,166	498,687	103,136	831	21,177
Livestock, poultry, and their products	farms, 2007	54,100	19,757	31,208	444	10,604
	2002	58,248	21,030	29,152	305	10,133
	$1,000, 2007	4,618,436	1,410,055	3,939,097	10,306	1,554,190
	2002	3,637,326	1,000,586	2,936,045	8,408	896,505
Poultry and eggs	farms, 2007	5,014	3,070	7,885	162	2,090
	2002	2,726	2,478	4,028	76	1,113
	$1,000, 2007	748,776	119,812	1,015,843	1,908	1,289,876
	2002	508,373	86,506	745,624	1,766	694,290
Cattle and calves	farms, 2007	45,512	13,077	19,784	148	6,782
	2002	51,414	13,654	20,571	118	7,139
	$1,000, 2007	3,062,020	800,336	556,192	846	105,282
	2002	2,448,916	543,231	441,671	735	76,146
Milk and other dairy products from cows	farms, 2007	1,022	592	8,407	39	115
	2002	989	515	9,146	28	215
	$1,000, 2007	191,775	401,786	1,890,190	4,599	52,550
	2002	163,006	293,927	1,393,992	3,859	46,240
Hogs and pigs	farms, 2007	2,274	1,466	3,440	81	700
	2002	2,256	1,558	3,785	51	736
	$1,000, 2007	555,521	5,662	336,437	354	77,211
	2002	462,849	3,540	269,318	227	61,589
Sheep, goats, and their products	farms, 2007	3,972	3,671	4,462	97	1,363
	2002	3,032	3,699	3,425	65	991
	$1,000, 2007	12,109	20,987	10,322	168	1,458
	2002	6,672	17,397	7,355	104	878
Horses, ponies, mules, burros, and donkeys	farms, 2007	4,706	2,578	3,398	30	1,443
	2002	5,711	3,918	3,220	36	1,444
	$1,000, 2007	36,191	18,935	49,320	313	21,622
	2002	33,979	18,960	41,809	436	13,825
Aquaculture (see text)	farms, 2007	56	96	292	27	93
	2002	74	131	267	15	66
	$1,000, 2007	3,253	16,270	44,519	1,653	4,775
	2002	3,467	17,054	15,325	863	3,173
Other animals and other animal products (see text)	farms, 2007	778	1,256	2,283	63	578
	2002	664	1,176	1,456	40	215
	$1,000, 2007	8,792	26,267	36,275	465	1,415
	2002	10,064	19,973	20,951	419	363
Value of agricultural products sold directly to individuals for human consumption (see text)	farms, 2007	3,194	6,274	7,537	249	1,323
	2002	1,920	6,383	6,082	180	1,175
	$1,000, 2007	11,534	56,362	75,893	6,292	12,660
	2002	3,735	21,411	53,760	3,697	8,287

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Total sales (see text) - Con.					
Value of sales by commodity or commodity group - Con.					
Crops, including nursery and greenhouse - Con.					
Tobacco ....farms, 2007	-	1,613	-	-	-
2002	-	8,151	-	-	-
$1,000, 2007	-	70,634	-	-	-
2002	-	141,412	-	-	-
Cotton and cottonseed ....farms, 2007	-	779	7,226	-	-
2002	-	920	8,866	-	-
$1,000, 2007	-	147,468	1,885,146	-	-
2002	-	178,354	1,088,675	-	-
Vegetables, melons, potatoes, and sweet potatoes [1] ....farms, 2007	140	1,483	2,348	532	506
2002	158	1,601	2,527	347	422
$1,000, 2007	3,464	71,870	373,704	16,092	13,192
2002	5,192	68,516	298,997	13,620	10,140
Fruits, tree nuts, and berries ....farms, 2007	61	327	7,033	615	499
2002	43	718	7,496	460	325
$1,000, 2007	412	2,552	219,819	17,022	15,875
2002	(D)	6,363	114,822	6,162	9,270
Nursery, greenhouse, floriculture, and sod (see text) ....farms, 2007	121	1,517	1,958	254	437
2002	119	2,323	2,137	275	418
$1,000, 2007	19,984	325,079	862,183	128,626	24,795
2002	18,350	282,815	704,699	92,646	22,803
Cut Christmas trees and short-rotation woody crops ....farms, 2007	19	177	254	33	255
2002	14	202	310	26	252
$1,000, 2007	202	2,018	7,606	342	3,448
2002	(D)	2,312	6,541	103	2,372
Other crops and hay (see text) ....farms, 2007	6,579	14,786	45,419	5,505	3,050
2002	6,573	14,741	30,044	3,986	2,710
$1,000, 2007	121,272	31,438	744,302	151,418	36,513
2002	145,766	47,896	418,557	115,127	24,231
Livestock, poultry, and their products ....farms, 2007	17,573	47,350	145,480	9,271	3,395
2002	19,625	51,367	148,859	8,059	3,161
$1,000, 2007	3,186,953	1,469,608	14,435,499	1,043,281	574,451
2002	2,258,715	1,127,266	10,402,993	858,101	401,482
Poultry and eggs ....farms, 2007	977	4,369	12,747	1,133	1,001
2002	451	2,554	6,319	645	571
$1,000, 2007	140,798	572,866	2,113,086	140,359	10,996
2002	70,820	359,286	1,260,951	84,178	5,875
Cattle and calves ....farms, 2007	15,171	38,961	116,626	6,257	1,937
2002	17,060	42,017	125,518	5,617	2,104
$1,000, 2007	2,307,618	633,303	10,503,774	347,299	57,581
2002	1,693,838	499,143	8,083,024	371,418	45,106
Milk and other dairy products from cows ....farms, 2007	672	1,115	1,268	422	1,222
2002	982	1,048	1,162	451	1,393
$1,000, 2007	279,765	180,503	1,245,441	292,141	493,926
2002	156,498	173,410	676,703	196,812	342,440
Hogs and pigs ....farms, 2007	1,042	1,160	4,053	630	239
2002	1,738	1,130	3,962	480	206
$1,000, 2007	381,360	33,797	237,504	196,595	697
2002	(D)	42,632	128,231	153,112	374
Sheep, goats, and their products ....farms, 2007	1,829	3,839	18,416	1,699	645
2002	2,074	3,331	15,314	1,372	436
$1,000, 2007	36,697	6,712	107,807	23,377	3,851
2002	31,285	4,196	94,164	17,804	1,581
Horses, ponies, mules, burros, and donkeys ....farms, 2007	1,408	5,149	14,107	1,610	266
2002	1,850	6,847	15,477	1,725	235
$1,000, 2007	8,884	31,212	117,744	10,020	2,454
2002	(D)	38,201	91,567	7,776	2,853
Aquaculture (see text) .... farms, 2007	12	106	275	27	23
2002	10	197	392	41	26
$1,000, 2007	3,108	4,893	46,102	4,074	1,989
2002	(D)	4,799	31,058	5,746	1,325
Other animals and other animal products (see text) ....farms, 2007	351	1,494	4,211	543	332
2002	313	977	2,404	308	258
$1,000, 2007	28,723	6,322	64,042	29,415	2,957
2002	23,179	5,599	37,295	21,255	1,927
Value of agricultural products sold directly to individuals for human consumption (see text) ....farms, 2007	752	3,581	8,619	1,584	1,474
2002	713	3,392	8,459	1,115	1,163
$1,000, 2007	6,158	15,380	38,696	10,098	22,863
2002	3,789	11,227	25,639	6,983	9,567

See footnote(s) at end of table.

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Table 2. **Market Value of Agricultural Products Sold Including Direct Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
Total sales (see text) - Con.						
Value of sales by commodity or commodity group - Con.						
Crops, including nursery and greenhouse - Con.						
Tobacco	farms, 2007	892	-	70	195	-
	2002	4,163	-	530	452	-
	$1,000, 2007	68,073	-	758	3,400	-
	2002	112,503	-	3,413	6,111	-
Cotton and cottonseed	farms, 2007	196	-	-	-	-
	2002	312	-	-	-	-
	$1,000, 2007	25,203	-	-	-	-
	2002	20,718	-	-	-	-
Vegetables, melons, potatoes, and sweet potatoes [1]	farms, 2007	1,619	2,082	712	3,320	48
	2002	1,303	2,041	411	2,957	28
	$1,000, 2007	93,988	809,963	5,811	422,639	3,501
	2002	79,345	805,567	4,613	341,615	1,798
Fruits, tree nuts, and berries	farms, 2007	1,358	5,988	365	1,719	22
	2002	1,251	6,215	404	1,331	11
	$1,000, 2007	68,193	2,081,031	14,206	218,248	(D)
	2002	40,954	1,354,238	11,443	107,972	87
Nursery, greenhouse, floriculture, and sod (see text)	farms, 2007	1,040	1,472	323	1,635	56
	2002	1,241	1,883	371	1,487	50
	$1,000, 2007	248,153	327,046	23,371	244,216	6,339
	2002	218,698	391,930	26,849	197,439	5,301
Cut Christmas trees and short-rotation woody crops	farms, 2007	352	534	173	849	3
	2002	514	508	184	859	4
	$1,000, 2007	6,949	23,225	935	17,822	(D)
	2002	9,633	26,270	1,182	23,412	41
Other crops and hay (see text)	farms, 2007	10,432	6,900	7,771	21,691	3,166
	2002	9,156	6,399	4,378	16,449	2,298
	$1,000, 2007	77,961	554,702	21,267	119,660	130,888
	2002	78,384	422,822	12,618	120,249	86,027
Livestock, poultry, and their products	farms, 2007	27,744	17,178	14,261	39,619	6,797
	2002	29,060	14,372	11,616	38,793	6,433
	$1,000, 2007	2,047,887	2,037,958	513,357	6,298,032	943,728
	2002	1,642,692	1,747,922	413,121	3,933,204	726,111
Poultry and eggs	farms, 2007	3,790	3,810	2,434	7,058	610
	2002	2,140	1,540	995	3,110	254
	$1,000, 2007	971,851	228,825	301,708	375,284	997
	2002	750,035	143,962	250,922	224,968	663
Cattle and calves	farms, 2007	21,884	9,521	10,474	30,193	4,880
	2002	23,970	8,979	9,513	31,807	4,997
	$1,000, 2007	574,506	716,720	164,962	1,014,553	801,833
	2002	471,703	709,585	117,967	834,895	643,123
Milk and other dairy products from cows	farms, 2007	1,173	823	161	14,270	32
	2002	1,253	884	395	16,972	81
	$1,000, 2007	330,344	873,365	31,386	4,573,294	22,331
	2002	275,402	634,908	32,202	2,651,018	7,473
Hogs and pigs	farms, 2007	964	1,596	1,042	3,516	368
	2002	834	1,067	717	3,245	247
	$1,000, 2007	56,960	5,921	2,089	100,309	41,923
	2002	72,213	6,803	1,992	79,836	23,057
Sheep, goats, and their products	farms, 2007	2,951	2,762	1,860	3,212	1,004
	2002	2,278	1,971	1,397	2,456	1,019
	$1,000, 2007	7,710	6,738	3,241	17,141	34,292
	2002	6,030	4,902	2,168	10,545	28,853
Horses, ponies, mules, burros, and donkeys	farms, 2007	2,247	2,938	1,291	2,845	1,967
	2002	3,007	2,698	891	2,949	1,555
	$1,000, 2007	46,876	26,134	4,476	12,873	24,631
	2002	40,581	18,599	3,787	14,986	12,400
Aquaculture (see text)	farms, 2007	182	355	39	169	20
	2002	182	334	50	208	17
	$1,000, 2007	53,032	162,867	3,478	14,182	7,157
	2002	19,945	215,130	2,712	14,262	3,213
Other animals and other animal products (see text)	farms, 2007	1,293	1,398	737	1,640	225
	2002	682	798	390	1,216	174
	$1,000, 2007	6,606	17,388	2,017	190,395	10,564
	2002	6,782	14,033	1,372	102,694	7,329
Value of agricultural products sold directly to individuals for human consumption (see text)	farms, 2007	2,855	5,418	1,990	6,243	645
	2002	2,513	4,527	1,434	4,918	521
	$1,000, 2007	28,878	43,537	7,097	43,491	3,025
	2002	16,825	34,753	4,588	29,072	2,381

[1] 2002 data do not include potatoes, sweet potatoes, or ginseng.

Table 3. **Farm Production Expenses: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Total farm production expenses [1] ....farms, 2007	2,204,792	48,753	686	15,637	49,346	81,033
2002	2,128,739	45,124	609	7,294	47,474	79,655
$1,000, 2007	241,113,666	3,922,143	50,547	2,782,786	6,134,870	26,962,641
2002	173,199,216	2,588,600	39,123	1,825,328	3,898,297	20,527,198
Average per farm ....dollars, 2007	109,359	80,449	73,683	177,962	124,324	332,737
2002	81,362	57,366	64,242	250,251	82,114	257,701
Fertilizer, lime, and soil conditioners purchased ....farms, 2007	1,148,218	27,461	388	3,106	23,681	48,395
2002	1,189,850	25,700	331	3,050	25,040	50,120
$1,000, 2007	18,107,194	168,838	2,334	165,318	437,022	1,314,175
2002	9,751,460	106,697	1,535	81,131	216,013	834,536
Chemicals purchased ....farms, 2007	918,604	19,390	156	2,525	18,919	44,599
2002	947,279	18,317	127	2,289	18,730	46,868
$1,000, 2007	10,074,914	84,495	282	133,265	327,730	1,369,132
2002	7,608,921	79,322	187	70,845	245,100	1,102,974
Seeds, plants, vines, and trees ....farms, 2007	775,893	13,866	264	3,829	10,977	26,247
2002	874,634	13,097	199	2,218	12,924	29,176
$1,000, 2007	11,740,521	87,849	2,167	199,392	276,030	991,450
2002	7,598,706	59,062	2,176	58,502	143,862	722,080
Livestock and poultry purchased or leased (see text) ....farms, 2007	490,819	11,619	118	2,283	12,921	10,881
2002	553,714	13,420	117	1,631	15,183	10,745
$1,000, 2007	38,003,682	701,381	303	315,343	828,459	1,264,818
2002	27,420,965	505,196	569	171,369	515,620	949,697
Breeding livestock purchased or leased (see text) [2] ....farms, 2007	278,572	5,994	46	1,374	7,012	5,951
2002	316,013	7,124	51	954	8,543	6,070
$1,000, 2007	3,599,873	56,499	107	46,303	49,799	186,901
2002	2,037,136	17,300	432	21,233	22,752	114,594
Other livestock and poultry purchased or leased (see text) ....farms, 2007	279,155	7,022	86	1,257	7,713	6,356
2002	309,818	7,830	80	869	8,638	6,404
$1,000, 2007	34,403,809	644,882	196	269,040	778,660	1,077,917
2002	25,383,829	487,896	137	150,137	492,868	835,104
Feed purchased ....farms, 2007	1,135,968	30,051	299	12,611	30,394	29,596
2002	1,240,747	32,201	293	4,524	34,143	28,663
$1,000, 2007	49,095,106	1,611,020	5,096	617,035	2,023,611	4,274,263
2002	31,694,850	927,774	4,078	307,212	1,250,849	2,494,806
Gasoline, fuels, and oils ....farms, 2007	2,148,806	47,750	667	15,143	48,357	78,163
2002	2,024,139	42,178	568	7,053	45,735	76,747
$1,000, 2007	12,912,179	163,784	3,786	146,118	395,167	1,124,340
2002	6,675,419	93,418	2,125	67,183	188,568	610,228
Utilities (see text) ....farms, 2007	1,102,530	21,735	439	7,559	22,493	55,511
2002	1,241,247	22,713	442	4,620	25,743	58,359
$1,000, 2007	5,917,615	94,692	2,974	104,463	154,488	1,231,547
2002	4,874,139	72,885	1,517	71,533	107,383	986,812
Supplies, repairs, and maintenance ....farms, 2007	1,992,234	44,622	599	12,018	45,387	74,487
2002	1,898,607	40,423	554	6,578	42,876	72,338
$1,000, 2007	15,896,723	188,980	6,310	144,191	324,927	1,782,730
2002	13,386,560	178,923	4,089	133,522	280,599	1,532,050
Hired farm labor ....farms, 2007	482,186	9,541	220	3,200	10,265	29,661
2002	554,434	10,123	240	2,678	12,225	34,342
$1,000, 2007	21,877,661	208,023	16,463	380,491	268,860	5,015,513
2002	18,568,446	180,937	13,427	343,422	253,395	4,317,078
Contract labor ....farms, 2007	182,701	3,557	57	964	4,133	22,586
2002	228,692	4,202	95	1,648	5,253	24,716
$1,000, 2007	4,514,166	24,373	1,838	76,645	36,102	2,265,515
2002	3,451,190	21,559	926	95,038	27,758	1,665,671
Customwork and custom hauling ....farms, 2007	362,475	4,715	48	894	5,836	15,667
2002	449,633	6,120	65	1,226	7,473	19,733
$1,000, 2007	4,091,038	20,956	357	51,758	58,647	860,315
2002	3,313,737	28,347	151	52,671	45,059	706,279
Cash rent for land, buildings, and grazing fees ....farms, 2007	490,372	8,172	110	1,537	8,716	13,299
2002	497,885	8,185	123	1,063	8,609	14,367
$1,000, 2007	13,274,530	67,370	658	111,351	209,658	1,013,008
2002	9,045,945	44,215	397	71,355	119,961	754,122
Rent and lease expenses for machinery, equipment, and farm share of vehicles ....farms, 2007	109,199	1,738	49	482	1,842	6,623
2002	150,761	1,741	63	831	2,744	9,639
$1,000, 2007	1,385,219	17,709	143	27,822	50,000	216,265
2002	1,468,423	15,225	244	32,771	41,031	222,702
Interest expense ....farms, 2007	667,454	11,714	162	1,634	16,157	23,854
2002	758,437	11,903	198	2,170	18,484	26,941
$1,000, 2007	10,880,731	130,780	2,655	65,119	231,796	1,099,536
2002	9,571,577	112,871	2,892	58,562	203,361	930,722
Secured by real estate ....farms, 2007	519,095	9,272	117	1,139	12,150	18,896
2002	575,525	9,150	100	1,464	13,461	20,755
$1,000, 2007	7,185,334	101,681	1,370	35,257	151,605	773,509
2002	6,704,002	91,228	657	30,979	136,209	687,470
Not secured by real estate ....farms, 2007	413,327	6,707	92	992	10,323	12,843
2002	405,177	5,249	127	1,248	10,148	12,177
$1,000, 2007	3,695,397	29,099	1,285	29,862	80,191	326,028
2002	2,867,575	21,643	2,235	27,583	67,152	243,252
Property taxes paid ....farms, 2007	1,995,808	44,234	501	6,446	45,468	72,181
2002	1,962,637	40,970	466	6,530	43,779	71,688
$1,000, 2007	6,223,048	43,059	1,312	32,745	76,778	638,682
2002	5,350,817	34,590	968	26,286	56,674	525,721
All other production expenses (see text) ....farms, 2007	1,115,703	20,733	370	6,651	25,214	44,163
2002	1,254,079	22,395	362	4,406	27,058	48,667
$1,000, 2007	17,119,339	308,835	3,868	211,727	435,596	2,501,352
2002	13,418,059	127,579	3,843	183,925	203,063	2,171,720
Depreciation expenses claimed (see text) [1] ....farms, 2007	963,340	18,883	316	2,549	21,217	37,834
2002	853,797	14,471	256	2,965	18,733	36,531
$1,000, 2007	20,185,540	249,083	5,839	160,562	416,410	1,800,646
2002	15,389,666	180,487	6,230	143,767	295,494	1,575,604

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Total farm production expenses [1]	farms, 2007	37,054	4,916	2,546	47,463	47,846	7,521
	2002	31,358	4,205	2,391	44,081	49,304	5,438
	$1,000, 2007	5,431,280	469,319	823,103	5,762,883	5,982,253	486,648
	2002	4,412,593	397,687	471,674	4,734,590	3,845,512	450,946
Average per farm	dollars, 2007	146,577	95,468	323,293	121,418	125,031	64,705
	2002	140,717	94,575	197,271	107,407	77,996	82,925
Fertilizer, lime, and soil conditioners purchased	farms, 2007	11,685	2,746	1,414	27,041	26,820	5,653
	2002	11,201	2,236	1,424	26,563	27,037	4,326
	$1,000, 2007	201,343	15,142	35,665	439,145	353,104	29,807
	2002	115,405	14,211	23,780	289,115	190,338	17,791
Chemicals purchased	farms, 2007	11,860	1,545	1,309	20,462	20,092	4,207
	2002	10,319	1,426	1,423	21,458	20,872	3,627
	$1,000, 2007	102,032	7,711	23,147	376,699	250,881	17,238
	2002	64,906	6,681	15,174	321,442	197,468	16,134
Seeds, plants, vines, and trees	farms, 2007	8,935	1,952	1,282	13,124	14,517	2,579
	2002	8,972	1,794	1,196	14,865	16,847	1,887
	$1,000, 2007	163,708	45,871	25,271	379,703	184,635	17,950
	2002	113,949	34,632	18,135	308,778	117,965	11,188
Livestock and poultry purchased or leased (see text)	farms, 2007	8,517	1,077	981	8,322	10,114	547
	2002	8,174	948	1,039	8,931	12,342	329
	$1,000, 2007	1,778,706	7,164	102,328	175,186	871,341	3,343
	2002	1,662,797	8,644	55,182	147,080	372,108	6,025
Breeding livestock purchased or leased (see text) [2]	farms, 2007	4,866	392	131	5,111	4,907	267
	2002	4,686	361	158	5,337	6,460	179
	$1,000, 2007	86,507	2,058	1,043	59,350	43,265	1,135
	2002	46,389	686	444	49,880	27,615	873
Other livestock and poultry purchased or leased (see text)	farms, 2007	4,944	846	899	4,460	6,399	345
	2002	4,650	701	928	4,919	7,172	193
	$1,000, 2007	1,692,199	5,106	101,284	115,836	828,076	2,208
	2002	1,616,409	7,957	54,738	97,200	344,493	5,152
Feed purchased	farms, 2007	18,817	2,458	1,426	27,297	26,287	1,939
	2002	18,525	2,372	1,540	26,515	32,119	1,267
	$1,000, 2007	1,221,367	55,295	416,368	547,947	2,121,379	24,678
	2002	866,170	42,832	207,528	410,603	1,365,162	27,997
Gasoline, fuels, and oils	farms, 2007	35,901	4,709	2,473	45,826	46,952	7,091
	2002	29,202	3,797	2,339	42,746	46,566	4,721
	$1,000, 2007	252,730	29,508	20,685	266,387	301,942	24,443
	2002	123,357	13,064	21,131	146,528	149,582	14,458
Utilities (see text)	farms, 2007	19,465	2,608	1,539	22,600	21,462	3,881
	2002	19,049	2,244	1,690	26,345	25,089	2,912
	$1,000, 2007	141,173	12,894	13,032	107,341	129,618	25,473
	2002	115,798	10,740	11,822	97,800	99,923	19,474
Supplies, repairs, and maintenance	farms, 2007	32,421	4,326	2,331	42,144	43,940	6,611
	2002	26,692	3,622	2,195	39,972	43,888	4,626
	$1,000, 2007	300,187	39,671	27,954	421,996	306,086	53,497
	2002	233,632	36,823	25,183	354,556	276,568	50,411
Hired farm labor	farms, 2007	7,393	1,140	647	10,081	10,225	1,783
	2002	7,747	1,106	891	10,672	11,636	1,527
	$1,000, 2007	390,625	141,360	36,460	1,208,631	361,419	178,496
	2002	367,016	127,084	31,579	1,157,569	326,621	177,692
Contract labor	farms, 2007	3,793	274	178	6,865	3,949	1,005
	2002	4,350	318	190	10,204	5,175	824
	$1,000, 2007	42,835	8,744	3,569	546,016	64,557	14,240
	2002	32,013	5,211	2,818	422,218	60,861	7,159
Customwork and custom hauling	farms, 2007	6,178	289	376	5,453	4,879	393
	2002	6,931	383	485	7,831	6,431	282
	$1,000, 2007	78,971	2,501	2,409	194,711	41,766	1,789
	2002	55,481	1,840	2,839	217,113	44,921	9,232
Cash rent for land, buildings, and grazing fees	farms, 2007	7,755	624	780	4,322	7,715	1,718
	2002	7,014	559	737	4,494	7,748	1,655
	$1,000, 2007	142,850	7,820	19,612	141,937	154,249	20,211
	2002	96,970	6,104	16,584	102,564	101,768	19,723
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	1,722	203	155	1,994	1,705	350
	2002	1,947	196	222	3,244	2,590	343
	$1,000, 2007	24,370	3,204	2,139	28,979	20,169	2,675
	2002	22,247	3,410	3,537	27,578	29,393	3,066
Interest expense	farms, 2007	11,114	975	801	10,609	12,375	1,223
	2002	12,410	793	1,024	12,165	13,335	955
	$1,000, 2007	229,425	16,913	14,590	203,987	225,086	14,838
	2002	199,300	9,036	14,025	163,345	193,171	8,633
Secured by real estate	farms, 2007	8,764	747	638	8,921	10,081	777
	2002	9,415	551	843	9,849	10,763	611
	$1,000, 2007	152,793	13,823	11,126	165,996	173,911	10,950
	2002	133,319	7,256	10,769	131,710	161,781	6,114
Not secured by real estate	farms, 2007	6,700	516	478	6,260	6,613	723
	2002	6,396	351	435	4,599	5,226	430
	$1,000, 2007	76,632	3,089	3,465	37,991	51,176	3,888
	2002	65,982	1,779	3,255	31,635	31,389	2,519
Property taxes paid	farms, 2007	33,380	4,420	2,252	43,882	44,054	5,975
	2002	28,597	3,753	2,194	41,922	45,745	4,195
	$1,000, 2007	89,405	23,053	4,524	180,155	139,812	10,873
	2002	72,884	16,975	4,556	139,310	113,694	6,463
All other production expenses (see text)	farms, 2007	18,208	2,698	1,577	22,097	21,301	2,843
	2002	19,625	2,523	1,677	24,901	23,585	2,389
	$1,000, 2007	271,553	52,470	75,351	544,062	456,207	47,097
	2002	270,668	60,401	17,803	428,994	205,969	55,499
Depreciation expenses claimed (see text) [1]	farms, 2007	14,870	1,823	1,217	14,751	17,862	2,341
	2002	13,247	1,259	1,061	13,093	15,785	1,709
	$1,000, 2007	353,613	29,707	33,409	390,420	374,338	46,427
	2002	286,282	21,253	28,682	330,261	277,167	34,498

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Total farm production expenses [1]	farms, 2007	25,349	76,860	60,938	92,856	65,531	85,260
	2002	25,016	73,000	60,286	90,648	64,390	86,591
	$1,000, 2007	4,604,040	9,045,080	6,280,596	15,443,759	12,364,531	3,930,240
	2002	3,440,579	6,223,876	4,310,513	10,303,448	8,443,180	2,604,069
Average per farm	dollars, 2007	181,626	117,683	103,065	166,319	188,682	46,097
	2002	137,535	85,259	71,501	113,664	131,126	30,073
Fertilizer, lime, and soil conditioners purchased	farms, 2007	11,049	49,671	36,853	58,664	39,479	44,729
	2002	10,602	52,258	37,155	61,514	40,576	54,539
	$1,000, 2007	370,237	1,480,395	888,112	1,344,600	840,338	308,598
	2002	202,192	731,424	435,657	665,890	413,519	180,986
Chemicals purchased	farms, 2007	11,849	43,618	29,009	53,136	32,028	27,108
	2002	11,226	47,465	31,184	54,776	30,563	36,236
	$1,000, 2007	160,030	731,968	373,897	618,336	358,384	100,920
	2002	120,830	559,165	258,403	464,509	200,234	77,715
Seeds, plants, vines, and trees	farms, 2007	7,693	43,539	29,538	52,703	26,613	27,313
	2002	8,439	49,231	33,636	59,724	29,131	35,000
	$1,000, 2007	147,784	1,001,039	514,775	989,162	358,008	133,724
	2002	120,163	596,072	326,799	603,316	221,766	94,685
Livestock and poultry purchased or leased (see text)	farms, 2007	6,598	11,350	11,645	22,679	15,145	18,470
	2002	7,350	12,734	14,613	25,756	16,103	21,156
	$1,000, 2007	584,795	588,949	511,239	3,290,203	5,192,954	523,127
	2002	616,224	411,546	307,156	1,854,227	3,554,091	298,839
Breeding livestock purchased or leased (see text) [2]	farms, 2007	3,473	6,443	5,669	10,743	9,558	11,737
	2002	3,871	6,918	6,852	13,436	9,506	13,530
	$1,000, 2007	128,710	57,009	57,350	180,644	150,517	171,651
	2002	93,697	40,328	39,425	100,883	60,943	71,492
Other livestock and poultry purchased or leased (see text)	farms, 2007	4,074	6,404	7,398	15,086	7,797	9,159
	2002	4,439	7,362	9,431	16,372	8,750	9,936
	$1,000, 2007	456,085	531,940	453,890	3,109,559	5,042,438	351,475
	2002	522,527	371,218	267,731	1,753,344	3,493,148	227,347
Feed purchased	farms, 2007	13,075	23,374	24,908	35,808	29,672	46,766
	2002	14,692	24,652	29,682	41,037	33,531	51,368
	$1,000, 2007	1,137,906	705,155	1,092,067	3,058,988	2,237,287	793,669
	2002	646,250	528,144	660,587	1,922,817	1,410,837	443,883
Gasoline, fuels, and oils	farms, 2007	24,734	74,841	58,717	89,899	63,693	83,309
	2002	22,998	70,346	56,917	87,485	60,781	83,246
	$1,000, 2007	220,007	562,346	344,253	666,373	574,447	203,942
	2002	109,251	280,056	171,335	348,189	309,599	111,695
Utilities (see text)	farms, 2007	16,234	37,566	27,459	51,903	32,620	40,616
	2002	15,604	44,354	34,564	62,217	38,761	46,071
	$1,000, 2007	174,139	141,827	106,869	234,210	140,364	79,696
	2002	151,832	126,128	88,783	215,675	123,586	72,019
Supplies, repairs, and maintenance	farms, 2007	23,032	68,871	53,959	83,411	58,985	77,321
	2002	21,634	65,798	52,988	81,393	57,036	77,394
	$1,000, 2007	330,249	591,737	423,721	792,166	550,628	284,408
	2002	263,214	476,733	340,507	646,011	472,105	267,605
Hired farm labor	farms, 2007	6,588	16,369	11,240	23,287	14,437	18,846
	2002	6,995	19,750	14,256	28,135	16,549	24,882
	$1,000, 2007	499,505	483,699	320,902	492,091	412,164	322,169
	2002	369,892	421,803	300,988	409,190	332,498	291,881
Contract labor	farms, 2007	2,584	3,043	2,665	5,005	4,906	7,370
	2002	3,113	3,791	4,078	6,425	4,749	11,778
	$1,000, 2007	41,669	20,393	31,559	50,828	42,624	56,810
	2002	33,410	18,530	25,888	37,829	32,466	58,808
Customwork and custom hauling	farms, 2007	5,570	15,123	10,229	25,512	13,720	11,023
	2002	6,423	18,689	13,649	30,366	16,214	15,129
	$1,000, 2007	115,139	112,968	62,518	216,307	166,577	32,431
	2002	77,267	95,153	58,364	160,788	121,409	30,952
Cash rent for land, buildings, and grazing fees	farms, 2007	5,761	23,595	15,678	34,668	19,820	9,563
	2002	5,532	22,737	20,221	34,940	19,486	9,295
	$1,000, 2007	232,167	1,210,803	701,777	1,712,297	383,968	128,975
	2002	168,764	745,690	531,802	1,182,053	227,683	91,818
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	1,540	5,170	3,224	6,163	3,450	2,435
	2002	1,807	7,257	4,180	8,558	4,938	3,616
	$1,000, 2007	31,256	70,328	40,697	70,584	41,787	15,849
	2002	37,240	63,241	37,849	68,636	44,379	29,119
Interest expense	farms, 2007	7,976	28,707	20,451	41,181	25,569	26,249
	2002	9,212	33,744	24,895	49,156	29,707	28,738
	$1,000, 2007	220,279	498,091	316,937	762,070	408,926	240,331
	2002	192,730	476,340	294,199	704,077	409,944	212,332
Secured by real estate	farms, 2007	6,149	21,058	16,685	30,888	19,799	22,047
	2002	7,174	24,302	20,035	36,961	22,187	23,631
	$1,000, 2007	128,104	299,322	212,189	449,215	231,594	186,194
	2002	123,196	322,087	215,324	456,338	260,677	175,945
Not secured by real estate	farms, 2007	5,150	19,133	12,469	27,436	16,687	14,118
	2002	5,002	20,957	13,351	30,368	18,532	11,374
	$1,000, 2007	92,175	198,769	104,748	312,855	177,333	54,137
	2002	69,533	154,253	78,875	247,739	149,267	36,387
Property taxes paid	farms, 2007	23,098	68,109	56,576	82,855	60,184	79,174
	2002	23,696	65,530	57,299	82,051	61,481	80,524
	$1,000, 2007	62,915	245,586	207,559	353,029	191,132	102,439
	2002	67,753	261,469	175,948	346,765	192,522	87,610
All other production expenses (see text)	farms, 2007	13,926	42,358	30,546	57,702	36,406	39,330
	2002	15,446	45,410	36,317	64,832	42,320	46,222
	$1,000, 2007	275,962	599,794	343,714	792,516	464,941	603,152
	2002	263,569	432,380	296,246	673,475	376,541	254,122
Depreciation expenses claimed (see text) [1]	farms, 2007	11,141	39,068	28,306	51,922	30,850	37,692
	2002	10,106	37,072	25,712	49,049	28,886	29,304
	$1,000, 2007	387,357	937,711	608,309	1,356,932	669,721	481,580
	2002	293,763	682,002	464,258	1,005,074	525,988	352,134

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Total farm production expenses [1]	farms, 2007	30,106	8,136	12,834	7,691	56,014	80,992
	2002	27,394	7,121	12,179	6,077	53,296	80,785
	$1,000, 2007	2,118,965	493,693	1,546,646	461,483	4,786,767	10,320,405
	2002	1,615,624	399,767	1,127,590	364,833	3,333,716	7,288,947
Average per farm	dollars, 2007	70,383	60,680	120,512	60,003	85,457	127,425
	2002	58,977	56,139	92,585	60,035	62,551	90,226
Fertilizer, lime, and soil conditioners purchased	farms, 2007	14,696	3,364	7,287	3,964	29,252	44,332
	2002	15,292	3,510	7,367	3,393	28,156	44,286
	$1,000, 2007	228,664	24,426	98,320	14,788	453,795	999,236
	2002	126,666	18,170	55,169	11,852	241,158	493,994
Chemicals purchased	farms, 2007	11,837	2,059	5,724	2,272	22,986	40,143
	2002	11,726	2,176	5,746	2,101	23,602	38,940
	$1,000, 2007	179,158	20,210	50,845	12,490	229,101	449,837
	2002	159,159	17,397	33,887	9,166	181,198	350,354
Seeds, plants, vines, and trees	farms, 2007	8,500	2,209	5,749	2,439	23,690	40,295
	2002	9,921	2,504	6,307	2,427	25,048	43,195
	$1,000, 2007	130,179	21,985	75,021	24,634	356,913	786,553
	2002	80,476	16,887	57,940	21,958	257,178	485,998
Livestock and poultry purchased or leased (see text)	farms, 2007	5,909	1,741	3,087	1,450	11,151	17,464
	2002	6,664	1,845	3,300	1,101	11,647	20,375
	$1,000, 2007	120,621	13,601	171,246	5,819	308,543	1,304,042
	2002	89,122	16,895	96,056	6,482	196,578	836,490
Breeding livestock purchased or leased (see text) [2]	farms, 2007	3,899	721	1,216	556	4,442	8,243
	2002	4,440	1,007	1,208	373	5,274	9,757
	$1,000, 2007	27,852	4,596	10,151	1,776	68,144	115,218
	2002	13,593	5,319	7,486	2,703	31,345	75,727
Other livestock and poultry purchased or leased (see text)	farms, 2007	2,804	1,291	2,236	1,064	8,184	11,354
	2002	3,140	1,112	2,376	816	7,934	12,945
	$1,000, 2007	92,769	9,005	161,095	4,043	240,399	1,188,825
	2002	75,529	11,576	88,569	3,779	165,233	760,762
Feed purchased	farms, 2007	16,578	3,640	6,474	3,821	22,314	30,806
	2002	17,496	3,567	6,740	2,698	24,297	37,871
	$1,000, 2007	369,975	103,475	456,411	45,134	740,126	1,944,488
	2002	260,900	73,459	318,290	26,253	390,264	1,271,172
Gasoline, fuels, and oils	farms, 2007	29,217	7,825	12,548	7,382	54,468	79,261
	2002	26,134	6,406	11,490	5,597	50,597	74,441
	$1,000, 2007	179,282	35,779	67,511	31,070	300,854	618,971
	2002	89,018	16,300	43,006	14,927	145,503	322,649
Utilities (see text)	farms, 2007	13,666	3,778	6,648	4,027	26,811	45,581
	2002	15,019	3,817	7,257	3,695	30,422	54,386
	$1,000, 2007	42,129	18,097	35,814	16,599	114,239	187,999
	2002	37,354	13,270	29,948	11,067	91,391	176,246
Supplies, repairs, and maintenance	farms, 2007	27,193	7,119	11,850	6,754	50,239	74,306
	2002	24,892	6,018	10,962	5,352	47,754	71,046
	$1,000, 2007	200,444	48,228	110,024	46,053	391,491	693,634
	2002	188,682	39,619	102,101	37,850	334,489	583,946
Hired farm labor	farms, 2007	6,278	1,886	3,058	1,972	11,315	19,337
	2002	7,567	2,045	3,321	1,770	12,279	22,623
	$1,000, 2007	191,748	90,323	151,232	118,224	606,717	521,852
	2002	181,647	78,420	127,779	99,292	469,731	459,332
Contract labor	farms, 2007	2,225	718	876	801	3,234	3,848
	2002	2,365	740	1,241	712	3,614	4,746
	$1,000, 2007	28,534	10,263	12,131	12,889	42,587	41,671
	2002	14,232	6,005	15,194	11,378	35,023	29,399
Customwork and custom hauling	farms, 2007	2,914	709	2,159	623	8,304	18,993
	2002	3,819	894	2,545	573	9,148	22,114
	$1,000, 2007	34,331	6,141	16,902	6,698	94,519	157,929
	2002	33,906	4,403	18,197	3,067	63,676	118,850
Cash rent for land, buildings, and grazing fees	farms, 2007	5,521	846	2,727	1,136	12,378	26,132
	2002	5,843	885	2,543	990	12,399	25,526
	$1,000, 2007	116,382	12,529	55,393	10,138	294,570	1,019,476
	2002	88,671	9,033	37,683	7,932	216,140	737,291
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	1,174	309	656	306	3,040	6,325
	2002	1,722	505	1,081	381	3,940	8,192
	$1,000, 2007	20,554	3,445	5,655	2,445	29,011	75,977
	2002	24,172	4,784	9,793	2,758	33,771	72,773
Interest expense	farms, 2007	6,183	1,800	3,402	1,531	16,625	32,517
	2002	6,660	1,813	3,409	1,269	18,089	37,826
	$1,000, 2007	69,870	18,277	64,323	19,171	261,676	584,665
	2002	73,597	15,230	50,924	13,451	211,406	546,747
Secured by real estate	farms, 2007	4,310	1,391	2,559	1,185	13,502	25,282
	2002	4,327	1,454	2,422	981	14,332	29,200
	$1,000, 2007	39,136	12,542	49,739	15,623	180,621	347,297
	2002	43,028	11,533	38,751	11,124	154,977	365,154
Not secured by real estate	farms, 2007	3,871	1,137	2,073	925	9,981	22,100
	2002	3,651	887	1,757	565	8,737	23,276
	$1,000, 2007	30,733	5,735	14,584	3,548	81,054	237,368
	2002	30,569	3,697	12,174	2,326	56,428	181,593
Property taxes paid	farms, 2007	25,666	7,466	11,339	6,761	52,283	75,030
	2002	22,720	6,823	11,015	5,504	50,494	75,624
	$1,000, 2007	26,956	24,156	41,361	32,509	188,916	241,383
	2002	20,432	21,081	34,982	23,431	157,933	194,722
All other production expenses (see text)	farms, 2007	13,298	3,889	6,792	3,921	27,134	45,424
	2002	14,586	4,352	7,443	3,494	30,851	53,001
	$1,000, 2007	180,138	42,759	134,458	62,823	373,709	692,692
	2002	147,589	48,812	96,641	63,969	308,277	608,983
Depreciation expenses claimed (see text) [1]	farms, 2007	10,537	2,944	6,284	2,626	25,510	44,410
	2002	8,939	2,411	5,056	2,204	21,682	40,429
	$1,000, 2007	181,939	56,382	144,804	37,569	534,770	1,054,788
	2002	155,164	32,511	103,136	37,740	386,335	830,311

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Total farm production expenses [1]	farms, 2007	41,959	107,825	29,524	47,712	3,131	4,166
	2002	42,175	106,749	27,873	49,356	2,988	3,378
	$1,000, 2007	4,288,729	6,135,205	2,399,635	12,325,329	401,986	195,791
	2002	2,767,787	4,578,834	1,862,305	9,050,038	335,437	145,342
Average per farm	dollars, 2007	102,212	56,900	81,277	258,328	128,389	46,997
	2002	65,626	42,893	66,814	183,362	112,261	43,026
Fertilizer, lime, and soil conditioners purchased	farms, 2007	21,157	57,932	11,009	30,276	921	1,845
	2002	20,726	63,363	12,264	32,982	1,043	1,531
	$1,000, 2007	263,845	671,131	225,315	914,427	20,975	4,627
	2002	127,224	355,973	115,112	465,636	11,894	2,797
Chemicals purchased	farms, 2007	14,470	36,523	11,549	27,697	850	900
	2002	14,988	35,192	11,731	29,632	912	843
	$1,000, 2007	219,911	250,883	120,522	404,471	11,776	2,367
	2002	209,634	190,396	81,365	281,683	7,056	2,043
Seeds, plants, vines, and trees	farms, 2007	12,155	33,347	8,038	26,847	719	1,175
	2002	14,435	36,287	9,274	30,944	840	1,095
	$1,000, 2007	176,730	366,266	51,509	596,673	9,114	18,033
	2002	105,861	220,016	44,179	370,108	7,047	8,643
Livestock and poultry purchased or leased (see text)	farms, 2007	7,762	25,620	7,287	13,253	854	994
	2002	9,917	30,120	7,935	16,074	908	705
	$1,000, 2007	469,684	761,333	291,561	4,066,702	32,202	4,470
	2002	380,748	546,196	207,332	3,211,783	34,954	1,638
Breeding livestock purchased or leased (see text) [2]	farms, 2007	4,012	17,469	5,523	8,516	613	360
	2002	5,128	19,512	5,514	9,741	574	227
	$1,000, 2007	31,192	142,362	90,394	175,943	9,493	1,786
	2002	18,496	97,217	41,400	90,966	8,620	522
Other livestock and poultry purchased or leased (see text)	farms, 2007	4,616	11,591	2,996	6,927	393	768
	2002	5,894	14,508	3,700	9,173	447	537
	$1,000, 2007	438,492	618,971	201,167	3,890,759	22,710	2,684
	2002	362,251	448,979	165,932	3,120,817	26,335	1,116
Feed purchased	farms, 2007	21,203	59,938	13,716	21,335	1,965	2,308
	2002	26,071	69,368	15,381	26,376	2,062	2,010
	$1,000, 2007	1,468,308	1,383,506	219,242	2,045,635	76,549	30,644
	2002	804,106	1,136,939	192,619	1,490,523	58,036	20,933
Gasoline, fuels, and oils	farms, 2007	41,149	106,121	28,271	46,873	3,037	4,049
	2002	40,015	102,981	25,356	46,325	2,767	3,088
	$1,000, 2007	227,904	412,227	221,523	608,153	29,689	13,170
	2002	122,546	205,423	118,897	331,458	16,249	5,663
Utilities (see text)	farms, 2007	15,382	52,812	16,365	30,941	1,897	2,029
	2002	17,707	62,089	18,268	36,103	1,791	1,964
	$1,000, 2007	92,265	117,628	72,745	217,214	29,122	6,869
	2002	69,737	107,972	63,845	173,402	21,239	4,248
Supplies, repairs, and maintenance	farms, 2007	38,778	98,832	25,818	43,662	2,749	3,663
	2002	37,408	94,673	23,637	44,184	2,488	2,979
	$1,000, 2007	241,876	453,315	227,050	624,920	35,465	21,128
	2002	199,085	376,075	188,106	465,069	32,867	17,613
Hired farm labor	farms, 2007	8,441	18,263	6,492	14,603	827	860
	2002	9,966	22,168	7,649	17,489	1,024	793
	$1,000, 2007	213,631	325,526	164,119	417,067	65,134	36,176
	2002	184,111	287,744	139,334	371,650	53,802	32,013
Contract labor	farms, 2007	2,722	6,225	2,708	4,435	339	268
	2002	3,276	8,584	3,766	5,016	419	258
	$1,000, 2007	35,708	32,556	20,707	39,369	5,538	2,791
	2002	18,524	37,297	20,836	26,263	5,023	3,567
Customwork and custom hauling	farms, 2007	3,884	18,323	4,941	13,419	476	303
	2002	5,062	24,826	6,152	15,996	587	377
	$1,000, 2007	50,248	76,874	46,094	148,214	7,679	2,324
	2002	40,213	66,851	37,957	105,236	7,538	1,858
Cash rent for land, buildings, and grazing fees	farms, 2007	6,520	20,767	9,502	20,041	587	373
	2002	7,188	20,006	8,623	20,243	502	397
	$1,000, 2007	222,744	344,925	223,363	831,078	14,053	4,445
	2002	141,274	183,466	126,354	471,124	11,226	2,650
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	1,374	3,421	1,857	4,435	169	139
	2002	1,954	4,889	2,429	6,037	201	132
	$1,000, 2007	44,860	25,001	17,057	59,717	2,402	1,241
	2002	40,339	30,197	19,131	58,333	3,006	1,301
Interest expense	farms, 2007	9,573	37,243	10,051	23,107	795	875
	2002	10,201	42,907	12,286	28,741	981	778
	$1,000, 2007	138,598	388,746	185,028	480,896	19,984	8,718
	2002	124,247	362,803	187,994	468,738	22,034	5,468
Secured by real estate	farms, 2007	7,263	30,015	7,559	17,345	577	709
	2002	7,557	33,617	9,049	21,006	787	604
	$1,000, 2007	91,081	277,471	131,417	264,321	13,372	6,917
	2002	88,708	276,331	136,909	283,382	16,166	4,252
Not secured by real estate	farms, 2007	5,813	22,632	6,590	15,622	510	485
	2002	4,825	22,763	7,409	18,686	563	346
	$1,000, 2007	47,517	111,275	53,612	216,575	6,612	1,801
	2002	35,539	86,473	51,084	185,356	5,867	1,216
Property taxes paid	farms, 2007	37,253	101,652	26,017	43,473	2,573	3,754
	2002	36,841	101,982	26,148	45,731	2,731	3,235
	$1,000, 2007	78,158	172,858	115,971	316,430	13,189	19,974
	2002	55,954	144,577	109,744	272,832	11,470	13,606
All other production expenses (see text)	farms, 2007	16,015	55,923	16,515	32,562	1,769	2,121
	2002	18,753	65,068	18,239	36,449	1,923	2,142
	$1,000, 2007	344,260	352,428	197,827	554,363	29,114	18,815
	2002	144,183	326,910	209,499	486,199	31,996	21,298
Depreciation expenses claimed (see text) [1]	farms, 2007	13,561	47,749	13,207	28,558	1,328	1,336
	2002	11,341	42,879	12,698	28,236	1,364	1,318
	$1,000, 2007	267,739	679,390	330,113	790,639	47,379	18,058
	2002	185,281	483,858	228,306	579,279	41,997	16,645

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Total farm production expenses [1]	farms, 2007	10,327	20,930	36,352	52,913	31,970	75,861
	2002	9,920	15,211	37,252	53,935	30,580	77,788
	$1,000, 2007	835,211	1,904,465	3,503,312	8,309,765	4,239,872	5,459,960
	2002	647,202	1,500,021	2,796,920	5,645,471	2,706,081	3,925,358
Average per farm	dollars, 2007	80,876	90,992	96,372	157,046	132,620	71,973
	2002	65,242	98,614	75,081	104,672	88,492	50,462
Fertilizer, lime, and soil conditioners purchased	farms, 2007	6,287	6,158	17,500	33,805	15,800	43,627
	2002	5,530	4,868	18,049	36,121	16,193	46,108
	$1,000, 2007	43,892	57,807	172,920	376,476	674,950	655,238
	2002	28,203	32,645	103,849	238,389	293,625	325,128
Chemicals purchased	farms, 2007	3,670	4,962	12,609	25,209	15,841	34,721
	2002	3,784	4,514	14,190	26,680	15,991	38,490
	$1,000, 2007	28,288	29,835	103,710	228,484	428,021	254,732
	2002	22,541	19,735	80,700	220,109	258,775	193,596
Seeds, plants, vines, and trees	farms, 2007	4,526	4,729	14,164	20,277	14,931	36,234
	2002	4,697	3,506	16,721	23,959	15,759	41,146
	$1,000, 2007	86,620	28,983	159,353	249,975	397,673	415,876
	2002	69,770	18,514	120,601	160,111	213,028	289,540
Livestock and poultry purchased or leased (see text)	farms, 2007	1,768	4,054	8,447	12,342	6,074	16,523
	2002	1,819	3,708	9,678	11,972	7,129	19,791
	$1,000, 2007	11,977	187,501	117,208	1,666,076	204,142	538,127
	2002	8,265	217,212	122,666	1,049,514	124,054	269,910
Breeding livestock purchased or leased (see text) [2]	farms, 2007	572	2,569	4,657	5,004	4,901	7,668
	2002	562	2,344	5,796	5,119	5,406	9,275
	$1,000, 2007	4,681	66,729	49,526	131,277	59,706	78,925
	2002	1,971	71,093	50,639	57,036	31,117	37,335
Other livestock and poultry purchased or leased (see text)	farms, 2007	1,380	2,066	5,103	8,677	2,022	11,055
	2002	1,397	2,060	5,053	7,997	2,841	13,139
	$1,000, 2007	7,296	120,772	67,683	1,534,800	144,436	459,202
	2002	6,294	146,119	72,026	992,478	92,937	232,575
Feed purchased	farms, 2007	4,669	12,073	18,994	28,263	9,597	34,423
	2002	4,654	9,443	22,148	30,938	11,956	40,506
	$1,000, 2007	41,361	697,004	695,165	3,183,993	158,337	959,439
	2002	31,277	486,979	537,185	1,917,997	118,559	648,768
Gasoline, fuels, and oils	farms, 2007	10,008	20,343	35,769	51,860	30,303	74,090
	2002	9,289	13,777	35,446	51,753	26,894	74,930
	$1,000, 2007	51,333	112,281	226,204	332,524	374,451	319,466
	2002	25,155	51,544	115,975	170,533	169,655	168,692
Utilities (see text)	farms, 2007	4,949	10,958	21,864	24,777	16,951	38,087
	2002	4,967	8,747	25,237	28,141	19,929	45,396
	$1,000, 2007	25,514	69,630	123,576	137,087	66,925	102,485
	2002	19,000	48,567	101,727	118,921	58,686	93,314
Supplies, repairs, and maintenance	farms, 2007	9,166	18,129	33,506	48,659	27,431	68,834
	2002	8,474	12,894	33,742	48,838	25,222	69,599
	$1,000, 2007	83,885	131,980	379,409	338,501	351,705	413,074
	2002	78,553	100,927	344,052	319,142	267,416	385,348
Hired farm labor	farms, 2007	2,415	4,773	9,273	12,284	7,881	14,057
	2002	2,374	4,249	10,494	16,091	9,208	16,585
	$1,000, 2007	237,683	218,193	583,051	623,130	169,978	411,941
	2002	186,913	182,380	448,924	552,486	140,999	362,702
Contract labor	farms, 2007	570	2,085	2,222	4,683	1,681	3,743
	2002	612	2,610	2,634	5,599	1,989	4,583
	$1,000, 2007	23,097	31,486	27,441	115,346	14,459	38,191
	2002	19,629	27,307	23,019	65,193	11,704	27,071
Customwork and custom hauling	farms, 2007	747	2,292	6,305	5,323	8,094	13,110
	2002	1,025	2,666	7,365	6,937	9,456	16,909
	$1,000, 2007	5,759	37,507	76,039	44,513	89,324	66,116
	2002	6,132	31,922	60,643	42,331	68,019	51,566
Cash rent for land, buildings, and grazing fees	farms, 2007	1,384	4,028	7,419	11,718	14,636	17,931
	2002	1,385	3,515	8,012	11,885	14,655	17,747
	$1,000, 2007	16,810	54,226	92,070	196,528	573,719	423,015
	2002	13,781	40,403	61,303	209,033	405,271	320,970
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	398	745	2,123	1,898	3,407	4,478
	2002	655	1,134	3,111	2,921	4,176	6,579
	$1,000, 2007	7,817	10,440	24,668	17,262	45,619	28,753
	2002	7,643	7,942	30,797	25,402	43,395	40,511
Interest expense	farms, 2007	1,652	3,890	10,998	12,480	14,137	25,172
	2002	1,752	4,613	11,967	14,250	16,925	28,112
	$1,000, 2007	24,207	86,921	159,396	176,525	258,449	296,918
	2002	19,898	82,017	128,020	164,828	222,187	266,004
Secured by real estate	farms, 2007	1,259	3,040	8,508	9,754	10,305	20,578
	2002	1,283	3,558	8,786	10,803	12,237	22,226
	$1,000, 2007	19,161	55,623	107,761	130,361	129,772	213,350
	2002	14,970	51,978	89,128	124,251	128,087	204,149
Not secured by real estate	farms, 2007	899	2,368	7,366	7,164	10,446	14,992
	2002	798	2,286	7,068	6,259	11,620	13,783
	$1,000, 2007	5,047	31,298	51,635	46,163	128,676	83,568
	2002	4,927	30,038	38,892	40,577	94,100	61,855
Property taxes paid	farms, 2007	9,192	15,110	33,912	48,424	28,777	70,100
	2002	9,167	14,027	35,189	50,423	27,824	72,128
	$1,000, 2007	54,754	29,117	188,015	127,148	110,963	164,687
	2002	41,999	24,348	170,947	109,636	85,650	165,640
All other production expenses (see text)	farms, 2007	4,734	8,603	21,652	24,253	19,135	39,308
	2002	5,479	8,264	25,103	26,766	20,653	46,821
	$1,000, 2007	92,214	121,552	375,086	496,197	321,157	371,901
	2002	68,441	127,580	346,512	281,848	225,057	316,599
Depreciation expenses claimed (see text) [1]	farms, 2007	3,674	6,058	17,736	20,422	18,468	36,878
	2002	3,129	5,670	16,185	17,713	16,509	33,002
	$1,000, 2007	60,919	166,065	398,834	400,776	545,888	576,916
	2002	43,898	141,546	355,453	326,025	360,780	459,891

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Total farm production expenses [1]	farms, 2007	86,565	38,553	63,163	1,219	25,867
	2002	83,282	40,055	58,144	858	24,535
	$1,000, 2007	5,223,365	3,734,859	4,909,109	65,062	2,012,179
	2002	4,069,112	2,786,838	3,614,072	48,029	1,313,233
Average per farm	dollars, 2007	60,340	96,876	77,721	53,373	77,789
	2002	48,859	69,575	62,157	55,978	53,525
Fertilizer, lime, and soil conditioners purchased	farms, 2007	37,256	19,781	33,575	707	14,472
	2002	39,623	20,402	33,528	533	13,723
	$1,000, 2007	286,976	245,374	205,463	3,175	143,408
	2002	168,328	147,940	135,921	1,853	86,434
Chemicals purchased	farms, 2007	33,724	17,556	25,980	399	9,803
	2002	33,342	18,539	26,444	339	9,390
	$1,000, 2007	90,112	165,957	111,666	1,441	73,930
	2002	60,663	130,190	77,774	1,047	62,783
Seeds, plants, vines, and trees	farms, 2007	18,266	10,999	26,345	499	8,374
	2002	22,146	12,640	29,726	446	9,351
	$1,000, 2007	78,039	158,305	185,879	3,319	81,099
	2002	57,951	112,969	127,372	3,707	60,591
Livestock and poultry purchased or leased (see text)	farms, 2007	24,499	9,557	15,367	203	4,097
	2002	27,203	11,223	17,996	169	4,828
	$1,000, 2007	1,463,556	281,444	482,913	748	170,676
	2002	1,244,354	201,604	333,396	730	97,058
Breeding livestock purchased or leased (see text) [2]	farms, 2007	15,462	4,840	6,716	90	1,977
	2002	16,355	5,484	8,990	75	2,557
	$1,000, 2007	187,690	33,064	76,826	214	14,017
	2002	80,813	22,334	66,562	118	6,302
Other livestock and poultry purchased or leased (see text)	farms, 2007	12,523	6,048	10,712	143	2,613
	2002	14,409	7,244	11,417	122	2,654
	$1,000, 2007	1,275,865	248,380	406,087	534	156,659
	2002	1,163,542	179,270	266,834	612	90,756
Feed purchased	farms, 2007	57,396	21,691	32,576	583	12,517
	2002	64,090	24,322	36,011	425	13,901
	$1,000, 2007	1,307,568	454,733	1,267,184	5,171	761,414
	2002	917,560	259,418	937,355	3,121	369,275
Gasoline, fuels, and oils	farms, 2007	85,505	37,614	60,621	1,174	25,395
	2002	78,726	36,792	55,102	801	22,990
	$1,000, 2007	316,477	190,604	245,604	3,950	102,948
	2002	173,813	98,710	126,126	1,823	59,334
Utilities (see text)	farms, 2007	40,351	22,381	31,188	652	9,803
	2002	44,114	24,034	35,797	528	11,087
	$1,000, 2007	97,967	114,150	148,033	1,946	41,332
	2002	89,808	92,847	120,745	1,426	32,688
Supplies, repairs, and maintenance	farms, 2007	79,351	34,977	55,090	1,081	23,986
	2002	73,251	34,763	52,591	784	21,421
	$1,000, 2007	350,931	312,176	476,884	6,347	122,381
	2002	300,016	262,153	387,473	5,577	123,943
Hired farm labor	farms, 2007	16,826	10,300	11,722	324	4,310
	2002	17,700	10,978	13,512	277	4,821
	$1,000, 2007	255,062	817,277	590,891	16,165	173,196
	2002	237,162	620,422	443,050	13,508	158,993
Contract labor	farms, 2007	7,816	4,741	2,532	97	1,320
	2002	10,468	5,812	3,115	59	1,803
	$1,000, 2007	49,286	90,683	62,941	1,112	21,872
	2002	38,838	62,764	35,792	1,259	22,198
Customwork and custom hauling	farms, 2007	12,956	5,523	11,359	56	1,912
	2002	15,572	6,688	13,281	55	2,275
	$1,000, 2007	90,772	74,390	97,625	1,360	17,399
	2002	65,083	63,028	74,354	450	14,324
Cash rent for land, buildings, and grazing fees	farms, 2007	21,092	6,447	12,729	193	3,915
	2002	22,398	6,816	11,539	135	3,631
	$1,000, 2007	167,558	193,669	148,292	2,582	62,216
	2002	125,005	143,878	93,126	1,555	38,536
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	2,896	2,389	3,129	52	717
	2002	3,883	3,231	4,273	35	997
	$1,000, 2007	16,351	27,875	18,660	328	6,579
	2002	24,443	29,591	26,841	456	7,796
Interest expense	farms, 2007	28,011	10,649	17,056	221	4,820
	2002	30,978	12,192	18,505	201	5,164
	$1,000, 2007	287,123	196,025	220,775	3,159	58,971
	2002	243,623	162,360	187,899	1,455	55,104
Secured by real estate	farms, 2007	21,591	8,598	13,390	157	3,808
	2002	22,907	9,435	14,232	154	4,072
	$1,000, 2007	187,562	134,588	164,776	2,685	44,652
	2002	168,363	115,333	147,267	1,145	44,350
Not secured by real estate	farms, 2007	17,690	6,142	10,361	117	2,788
	2002	17,143	5,942	9,477	90	2,020
	$1,000, 2007	99,560	61,436	56,000	474	14,319
	2002	75,260	47,027	40,632	310	10,753
Property taxes paid	farms, 2007	79,340	34,871	56,634	1,062	23,544
	2002	77,092	37,290	52,196	777	22,298
	$1,000, 2007	106,592	101,411	211,603	6,421	37,423
	2002	98,889	87,884	167,248	3,640	38,128
All other production expenses (see text)	farms, 2007	44,669	20,311	31,282	607	9,304
	2002	48,927	23,245	35,469	511	10,692
	$1,000, 2007	258,996	310,787	434,697	7,837	137,337
	2002	223,575	311,080	339,600	6,423	86,048
Depreciation expenses claimed (see text) [1]	farms, 2007	36,002	17,422	25,724	378	7,764
	2002	29,882	16,548	21,636	246	6,213
	$1,000, 2007	467,223	316,142	448,828	5,877	121,045
	2002	326,830	247,433	341,717	3,575	99,266

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		South Dakota	Tennessee	Texas	Utah	Vermont
Total farm production expenses [1]	farms, 2007	31,169	79,280	247,437	16,700	6,984
	2002	31,710	87,587	228,886	15,292	6,576
	$1,000, 2007	4,989,172	2,620,841	19,223,099	1,215,579	549,904
	2002	3,311,884	1,996,798	13,734,706	933,114	427,717
Average per farm	dollars, 2007	160,068	33,058	77,689	72,789	78,738
	2002	104,443	22,798	60,007	61,020	65,042
Fertilizer, lime, and soil conditioners purchased	farms, 2007	16,491	44,443	104,083	7,017	2,865
	2002	17,387	51,404	108,277	6,737	2,605
	$1,000, 2007	524,327	301,586	931,140	34,635	19,789
	2002	239,257	171,689	555,239	23,771	10,879
Chemicals purchased	farms, 2007	17,398	28,400	85,148	6,504	1,403
	2002	17,118	30,874	85,665	5,999	1,618
	$1,000, 2007	257,553	126,529	492,500	14,033	5,637
	2002	163,371	101,619	345,210	11,110	4,944
Seeds, plants, vines, and trees	farms, 2007	15,733	22,444	52,335	4,716	1,888
	2002	17,240	29,154	63,681	5,133	1,876
	$1,000, 2007	376,934	173,849	483,493	29,641	8,990
	2002	224,745	105,870	308,361	17,914	8,778
Livestock and poultry purchased or leased (see text)	farms, 2007	10,196	16,930	55,194	4,826	1,541
	2002	11,307	21,962	65,435	5,172	1,660
	$1,000, 2007	881,582	213,700	6,017,794	132,323	25,230
	2002	580,920	175,145	4,524,369	158,687	23,993
Breeding livestock purchased or leased (see text) [2]	farms, 2007	7,637	10,548	36,667	2,864	789
	2002	8,111	12,957	43,559	2,702	1,042
	$1,000, 2007	160,850	47,611	420,373	31,074	16,178
	2002	64,732	32,136	186,906	18,789	14,949
Other livestock and poultry purchased or leased (see text)	farms, 2007	4,644	8,552	25,541	2,836	970
	2002	5,317	11,274	30,388	3,092	803
	$1,000, 2007	720,732	166,089	5,597,421	101,250	9,052
	2002	516,188	143,009	4,337,463	139,898	9,045
Feed purchased	farms, 2007	15,462	49,442	158,144	9,214	3,637
	2002	19,389	57,492	167,033	9,479	3,978
	$1,000, 2007	617,725	547,993	4,226,444	389,568	144,129
	2002	433,345	386,790	2,700,281	244,175	108,693
Gasoline, fuels, and oils	farms, 2007	30,430	77,402	242,625	16,397	6,734
	2002	30,630	83,141	225,007	14,148	5,942
	$1,000, 2007	310,328	160,637	1,053,222	82,302	32,656
	2002	160,186	93,416	533,321	42,227	14,895
Utilities (see text)	farms, 2007	19,055	32,708	107,727	10,076	3,851
	2002	23,034	39,454	121,694	9,380	4,355
	$1,000, 2007	94,296	54,900	445,871	42,687	18,760
	2002	84,141	51,715	334,071	30,779	14,942
Supplies, repairs, and maintenance	farms, 2007	28,563	71,411	224,498	15,164	6,308
	2002	29,117	77,699	209,473	13,403	5,210
	$1,000, 2007	339,058	210,755	1,132,765	98,739	64,724
	2002	259,190	209,225	926,466	81,828	49,566
Hired farm labor	farms, 2007	8,465	14,575	45,081	4,271	1,884
	2002	10,364	17,223	49,206	4,570	1,913
	$1,000, 2007	177,684	214,487	1,169,767	147,213	72,316
	2002	134,685	173,255	969,979	114,694	62,720
Contract labor	farms, 2007	2,132	5,020	28,743	1,410	562
	2002	2,595	7,174	37,394	1,649	593
	$1,000, 2007	18,850	47,410	207,267	12,694	4,998
	2002	11,787	34,127	172,668	9,939	3,549
Customwork and custom hauling	farms, 2007	8,921	8,662	35,639	2,910	1,135
	2002	11,096	12,082	45,209	3,430	1,338
	$1,000, 2007	99,590	27,353	320,740	27,481	19,829
	2002	69,026	27,000	229,904	23,661	13,929
Cash rent for land, buildings, and grazing fees	farms, 2007	14,161	11,522	45,190	4,020	1,230
	2002	14,162	12,748	48,714	3,975	1,547
	$1,000, 2007	499,619	105,705	503,722	32,408	11,363
	2002	272,995	73,368	351,243	24,791	9,209
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	2,684	2,559	7,823	815	360
	2002	3,738	3,608	11,215	986	344
	$1,000, 2007	29,097	14,261	64,684	7,194	2,699
	2002	29,741	13,812	77,361	6,384	3,378
Interest expense	farms, 2007	14,920	19,067	54,057	4,205	1,936
	2002	18,338	22,286	61,028	4,656	1,718
	$1,000, 2007	306,448	158,689	676,379	58,768	26,913
	2002	266,573	147,275	523,438	48,332	18,881
Secured by real estate	farms, 2007	11,342	15,374	39,185	3,137	1,532
	2002	14,010	17,979	42,614	3,318	1,323
	$1,000, 2007	182,119	120,778	426,140	40,956	19,878
	2002	174,259	120,033	335,987	35,815	13,875
Not secured by real estate	farms, 2007	10,269	10,756	33,826	2,641	1,223
	2002	11,531	9,434	31,715	2,465	850
	$1,000, 2007	124,328	37,912	250,239	17,812	7,035
	2002	92,314	27,243	187,451	12,518	5,005
Property taxes paid	farms, 2007	27,952	73,873	221,113	14,729	6,320
	2002	29,052	81,759	206,050	14,166	6,067
	$1,000, 2007	148,940	97,014	489,194	28,431	30,579
	2002	135,833	94,350	370,215	21,679	28,464
All other production expenses (see text)	farms, 2007	20,702	36,296	106,733	8,162	4,021
	2002	23,851	43,517	121,277	9,283	3,784
	$1,000, 2007	307,143	165,974	1,008,116	77,462	61,290
	2002	246,089	138,141	812,579	73,145	50,897
Depreciation expenses claimed (see text) [1]	farms, 2007	18,112	31,582	93,398	6,282	3,088
	2002	17,943	26,493	76,721	5,818	2,323
	$1,000, 2007	592,234	297,137	1,467,205	125,886	57,311
	2002	401,185	236,120	998,769	89,441	44,526

See footnote(s) at end of table.

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Table 3. **Farm Production Expenses: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
Total farm production expenses [1]	farms, 2007	47,383	39,284	23,618	78,463	11,069
	2002	47,605	35,959	20,764	77,133	9,432
	$1,000, 2007	2,711,537	5,390,313	545,855	6,748,715	970,138
	2002	2,045,598	4,430,693	408,650	4,642,287	828,003
Average per farm	dollars, 2007	57,226	137,214	23,112	86,011	87,645
	2002	42,970	123,215	19,681	60,185	87,787
Fertilizer, lime, and soil conditioners purchased	farms, 2007	26,303	17,083	10,049	43,025	3,021
	2002	28,686	17,937	9,421	42,048	3,085
	$1,000, 2007	189,325	380,358	19,364	495,308	31,959
	2002	114,943	231,964	12,976	260,006	22,555
Chemicals purchased	farms, 2007	16,027	16,386	4,853	35,784	3,405
	2002	17,870	17,580	4,267	37,052	3,038
	$1,000, 2007	76,060	317,784	6,054	263,235	11,630
	2002	67,506	262,331	5,591	184,368	10,532
Seeds, plants, vines, and trees	farms, 2007	13,700	11,005	4,371	37,999	2,224
	2002	17,156	13,292	4,298	39,746	2,348
	$1,000, 2007	97,235	200,704	7,213	371,941	13,267
	2002	73,863	155,355	7,592	223,674	8,978
Livestock and poultry purchased or leased (see text)	farms, 2007	11,487	8,589	5,845	19,948	3,493
	2002	13,434	7,365	5,911	21,117	3,673
	$1,000, 2007	323,214	326,256	96,910	356,954	215,888
	2002	277,272	394,109	63,817	294,121	199,126
Breeding livestock purchased or leased (see text) [2]	farms, 2007	6,167	4,247	2,800	10,799	2,354
	2002	6,974	3,765	3,255	12,329	2,565
	$1,000, 2007	38,777	37,873	8,821	139,475	38,436
	2002	27,806	26,454	8,075	108,518	21,091
Other livestock and poultry purchased or leased (see text)	farms, 2007	6,815	5,553	3,814	11,816	1,803
	2002	8,182	4,690	3,393	11,343	1,747
	$1,000, 2007	284,437	288,383	88,089	217,479	177,453
	2002	249,466	367,655	55,742	185,603	178,035
Feed purchased	farms, 2007	29,233	19,927	14,027	38,826	6,398
	2002	31,374	18,421	14,291	43,074	6,761
	$1,000, 2007	727,195	663,387	177,847	1,091,862	150,962
	2002	507,692	471,553	130,696	785,165	137,943
Gasoline, fuels, and oils	farms, 2007	46,775	38,350	22,895	75,533	10,557
	2002	45,285	33,510	18,969	73,275	9,110
	$1,000, 2007	156,818	265,061	37,698	425,000	66,227
	2002	84,041	145,339	20,134	193,005	36,091
Utilities (see text)	farms, 2007	19,930	21,707	8,187	45,030	6,671
	2002	22,952	23,685	8,074	50,736	6,611
	$1,000, 2007	52,952	186,322	10,698	204,032	32,933
	2002	48,221	165,260	8,843	159,689	25,318
Supplies, repairs, and maintenance	farms, 2007	43,815	35,609	21,157	70,221	9,850
	2002	42,932	31,733	18,249	69,388	8,424
	$1,000, 2007	219,378	439,705	48,207	635,867	77,189
	2002	180,927	380,491	45,276	473,225	67,731
Hired farm labor	farms, 2007	10,571	11,063	3,251	17,889	2,716
	2002	12,907	13,598	3,539	19,275	3,102
	$1,000, 2007	293,996	1,151,383	32,794	785,018	97,820
	2002	242,131	987,399	31,843	515,473	81,799
Contract labor	farms, 2007	3,043	3,293	894	3,381	1,400
	2002	4,169	3,702	1,064	3,630	1,792
	$1,000, 2007	29,483	58,442	5,105	29,740	11,202
	2002	22,545	55,607	4,766	20,181	10,344
Customwork and custom hauling	farms, 2007	5,560	5,149	1,614	22,496	1,759
	2002	7,662	6,834	2,168	25,607	2,455
	$1,000, 2007	29,291	108,062	4,001	169,816	15,994
	2002	21,574	96,634	3,448	125,552	15,539
Cash rent for land, buildings, and grazing fees	farms, 2007	9,457	5,807	2,315	21,257	3,558
	2002	9,874	6,081	2,201	21,310	3,645
	$1,000, 2007	88,021	260,112	7,263	356,370	71,455
	2002	67,238	180,856	7,322	245,901	45,743
Rent and lease expenses for machinery, equipment, and farm share of vehicles	farms, 2007	1,592	2,633	443	5,382	626
	2002	2,322	3,798	513	7,017	846
	$1,000, 2007	9,579	42,158	1,393	53,828	4,634
	2002	9,601	48,787	1,654	45,463	5,399
Interest expense	farms, 2007	11,897	10,448	4,612	28,899	3,874
	2002	12,688	12,115	4,121	31,847	4,191
	$1,000, 2007	123,286	219,629	28,549	523,903	68,386
	2002	90,843	248,172	20,711	342,250	63,529
Secured by real estate	farms, 2007	9,064	8,139	3,616	23,834	3,059
	2002	9,224	9,285	2,986	25,521	2,984
	$1,000, 2007	94,658	136,486	22,060	374,491	49,300
	2002	69,572	173,455	16,454	249,580	44,574
Not secured by real estate	farms, 2007	7,186	6,206	2,693	16,838	2,377
	2002	6,280	5,991	1,984	16,392	2,614
	$1,000, 2007	28,628	83,143	6,488	149,411	19,086
	2002	21,270	74,717	4,257	92,670	18,954
Property taxes paid	farms, 2007	43,406	35,748	21,808	73,764	10,073
	2002	44,043	33,714	19,378	72,184	8,545
	$1,000, 2007	96,068	161,799	19,612	307,453	30,904
	2002	74,908	146,685	15,227	254,629	23,867
All other production expenses (see text)	farms, 2007	23,600	20,135	9,843	44,299	6,568
	2002	27,633	22,319	9,677	49,818	6,554
	$1,000, 2007	199,637	609,150	43,146	678,388	69,688
	2002	162,293	460,151	28,754	519,585	73,510
Depreciation expenses claimed (see text) [1]	farms, 2007	20,797	16,262	7,786	39,448	5,367
	2002	17,772	16,286	4,974	36,463	4,475
	$1,000, 2007	268,614	430,311	56,670	817,853	118,174
	2002	201,680	397,602	36,105	602,103	92,212

[1] 2002 data are based on a sample of farms.
[2] 2002 data do not include breeding livestock leased.

Table 4. **Net Cash Farm Income of Operations and Operators: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Net cash farm income of the operations (see text) [1] $1,000, 2007	74,581,098	737,898	11,341	583,946	1,773,782	7,983,228
2002	40,514,055	905,961	10,511	652,021	1,384,246	5,931,847
Average per farm ..... dollars, 2007	33,827	15,135	16,532	37,344	35,946	98,518
2002	19,032	20,077	17,260	89,391	29,158	74,469
Farms with net gains [2] ..... number, 2007	1,037,041	21,176	292	3,410	23,251	35,095
2002	993,861	20,607	285	2,438	22,347	35,789
Average per farm ..... dollars, 2007	89,479	47,747	85,720	235,501	89,925	282,231
2002	56,679	54,657	63,224	315,795	74,247	211,826
Farms with net losses ..... number, 2007	1,167,751	27,577	394	12,227	26,095	45,938
2002	1,134,879	24,517	324	4,856	25,127	43,866
Average per farm ..... dollars, 2007	15,596	9,906	34,744	17,920	12,150	41,832
2002	13,937	8,988	23,171	24,277	10,943	37,596
Net cash farm income of operators (see text) [1] $1,000, 2007	64,197,836	314,063	11,324	378,078	1,064,211	7,746,152
2002	33,736,140	322,527	10,521	638,837	604,082	5,666,128
Average per farm ..... dollars, 2007	29,117	6,442	16,507	24,178	21,566	95,593
2002	15,848	7,148	17,277	87,584	12,724	71,133
Farm operators reporting net gains ..... farms, 2007	1,025,783	20,791	291	3,406	22,597	34,860
2002	996,318	20,607	286	2,493	22,014	36,023
Average per farm ..... dollars, 2007	81,061	29,006	85,975	176,829	63,191	278,379
2002	50,295	27,286	62,955	302,385	41,208	206,154
Farm operators reporting net losses ..... farms, 2007	1,179,009	27,962	395	12,231	26,749	46,173
2002	1,132,422	24,517	323	4,801	25,460	43,632
Average per farm ..... dollars, 2007	16,075	10,336	34,670	18,331	13,597	42,409
2002	14,459	9,780	23,169	23,955	11,904	40,341

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Net cash farm income of the operations (see text) [1] $1,000, 2007	968,925	123,327	291,326	2,268,275	1,566,809	75,878
2002	367,349	92,591	168,894	1,652,232	1,381,354	98,145
Average per farm ..... dollars, 2007	26,149	25,087	114,425	47,790	32,747	10,089
2002	11,715	22,019	70,637	37,482	28,017	18,048
Farms with net gains [2] ..... number, 2007	14,684	1,771	1,571	17,099	17,856	3,483
2002	12,908	1,553	1,403	18,117	18,965	3,278
Average per farm ..... dollars, 2007	96,001	104,400	197,326	171,587	114,497	46,914
2002	58,261	84,787	136,673	118,305	93,544	41,991
Farms with net losses ..... number, 2007	22,370	3,145	975	30,364	29,990	4,038
2002	18,450	2,652	988	25,964	30,339	2,160
Average per farm ..... dollars, 2007	19,703	19,576	19,152	21,924	15,927	21,675
2002	20,850	14,737	23,136	18,915	12,944	18,287
Net cash farm income of operators (see text) [1] $1,000, 2007	1,019,674	124,075	108,810	2,223,990	929,467	75,170
2002	345,793	93,246	57,223	1,590,640	768,110	98,563
Average per farm ..... dollars, 2007	27,519	25,239	42,738	46,857	19,426	9,995
2002	11,027	22,175	23,933	36,084	15,579	18,125
Farm operators reporting net gains ..... farms, 2007	14,486	1,770	1,508	17,060	17,530	3,476
2002	12,946	1,566	1,216	18,419	19,046	3,283
Average per farm ..... dollars, 2007	101,534	104,632	86,207	169,638	81,175	46,821
2002	56,268	84,372	78,703	113,568	62,437	42,210
Farm operators reporting net losses ..... farms, 2007	22,568	3,146	1,038	30,403	30,316	4,045
2002	18,412	2,639	1,175	25,662	30,258	2,155
Average per farm ..... dollars, 2007	19,990	19,429	20,415	22,039	16,279	21,652
2002	20,783	14,733	32,749	19,529	13,916	18,567

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Net cash farm income of the operations (see text) [1] $1,000, 2007	1,361,761	5,242,533	2,498,884	6,451,702	2,961,691	1,285,433
2002	699,093	2,094,037	833,052	2,863,769	841,600	847,511
Average per farm ..... dollars, 2007	53,720	68,209	41,007	69,481	45,195	15,077
2002	27,946	28,685	13,818	31,592	13,070	9,788
Farms with net gains [2] ..... number, 2007	11,748	51,916	33,888	69,025	39,293	40,067
2002	10,641	46,024	28,258	60,139	36,274	45,370
Average per farm ..... dollars, 2007	137,270	106,939	85,565	101,667	87,656	44,708
2002	87,640	53,645	46,218	58,054	38,154	27,012
Farms with net losses ..... number, 2007	13,601	24,944	27,050	23,831	26,238	45,193
2002	14,375	26,976	32,028	30,509	28,116	41,221
Average per farm ..... dollars, 2007	18,446	12,399	14,814	23,744	18,393	11,194
2002	16,243	13,898	14,768	20,570	19,291	9,170
Net cash farm income of operators (see text) [1] $1,000, 2007	1,281,219	4,218,592	2,138,776	5,816,030	2,621,376	1,083,773
2002	671,828	1,589,645	671,107	2,624,949	763,656	676,420
Average per farm ..... dollars, 2007	50,543	54,887	35,098	62,635	40,002	12,711
2002	26,856	21,776	11,132	28,958	11,860	7,812
Farm operators reporting net gains ..... farms, 2007	11,620	51,079	33,381	68,303	38,494	39,762
2002	10,650	44,399	27,975	59,502	35,434	45,868
Average per farm ..... dollars, 2007	132,663	89,320	76,734	93,991	82,686	40,453
2002	84,661	45,258	41,801	54,850	38,945	23,525
Farm operators reporting net losses ..... farms, 2007	13,729	25,781	27,557	24,553	27,037	45,498
2002	14,366	28,601	32,311	31,146	28,956	40,723
Average per farm ..... dollars, 2007	18,961	13,336	15,339	24,592	20,769	11,533
2002	15,997	14,676	15,421	20,508	21,284	9,887

See footnote(s) at end of table.

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Table 4. **Net Cash Farm Income of Operations and Operators: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Net cash farm income of the operations (see text) [1] $1,000, 2007	761,740	167,671	412,752	96,266	1,308,930	3,927,990
2002	383,542	107,571	246,383	64,610	724,021	1,925,185
Average per farm ....dollars, 2007	25,302	20,609	32,161	12,517	23,368	48,498
2002	14,000	15,106	20,230	10,632	13,585	23,831
Farms with net gains [2] .... number, 2007	13,174	3,235	5,725	2,950	25,004	50,508
2002	11,511	2,663	5,097	2,404	22,737	45,902
Average per farm ....dollars, 2007	73,922	71,086	98,587	63,627	67,154	87,914
2002	52,448	57,698	77,003	50,718	47,047	53,308
Farms with net losses .... number, 2007	16,932	4,901	7,109	4,741	31,010	30,484
2002	15,884	4,458	7,082	3,673	30,559	34,883
Average per farm ....dollars, 2007	12,527	12,710	21,333	19,286	11,938	16,807
2002	13,862	10,336	20,630	15,604	11,312	14,958
Net cash farm income of operators (see text) [1] $1,000, 2007	568,615	165,909	207,136	95,807	1,230,624	3,752,045
2002	230,457	108,861	112,295	65,482	705,489	1,813,036
Average per farm ....dollars, 2007	18,887	20,392	16,140	12,457	21,970	46,326
2002	8,412	15,287	9,220	10,775	13,237	22,443
Farm operators reporting net gains ....farms, 2007	13,003	3,231	5,619	2,947	24,835	50,320
2002	11,376	2,671	4,973	2,460	23,069	46,119
Average per farm ....dollars, 2007	61,165	70,623	64,637	63,560	64,874	85,093
2002	41,233	57,792	55,190	49,770	45,546	50,735
Farm operators reporting net losses ....farms, 2007	17,103	4,905	7,215	4,744	31,179	30,672
2002	16,019	4,450	7,206	3,617	30,227	34,666
Average per farm ....dollars, 2007	13,256	12,696	21,630	19,288	12,205	17,275
2002	14,896	10,225	22,504	15,746	11,421	15,197

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Net cash farm income of the operations (see text) [1] $1,000, 2007	972,410	1,959,854	827,156	3,966,860	125,672	26,721
2002	626,916	802,946	350,334	1,225,016	128,806	17,403
Average per farm ....dollars, 2007	23,175	18,176	28,016	83,142	40,138	6,414
2002	14,865	7,522	12,569	24,820	43,108	5,152
Farms with net gains [2] .... number, 2007	17,807	54,106	15,031	33,468	1,260	1,313
2002	17,525	53,518	14,182	30,579	1,083	1,130
Average per farm ....dollars, 2007	73,426	48,151	74,160	129,212	125,372	56,233
2002	51,206	26,594	44,967	56,201	158,194	38,755
Farms with net losses .... number, 2007	24,152	53,719	14,493	14,244	1,871	2,853
2002	24,650	53,231	13,691	18,777	1,905	2,248
Average per farm ....dollars, 2007	13,874	12,014	19,840	25,105	17,262	16,513
2002	10,973	11,653	20,991	26,285	22,320	11,739
Net cash farm income of operators (see text) [1] $1,000, 2007	608,021	1,468,838	726,378	3,482,705	116,777	27,149
2002	272,806	651,698	298,672	1,089,630	129,367	18,567
Average per farm ....dollars, 2007	14,491	13,622	24,603	72,994	37,297	6,517
2002	6,468	6,105	10,715	22,077	43,295	5,496
Farm operators reporting net gains ....farms, 2007	17,584	53,368	14,853	32,925	1,245	1,310
2002	17,529	53,778	14,124	29,693	1,106	1,139
Average per farm ....dollars, 2007	54,276	40,480	68,869	118,796	123,990	56,467
2002	31,921	23,589	42,303	53,567	154,973	39,247
Farm operators reporting net losses ....farms, 2007	24,375	54,457	14,671	14,787	1,886	2,856
2002	24,646	52,971	13,749	19,663	1,882	2,239
Average per farm ....dollars, 2007	14,210	12,698	20,213	28,988	19,931	16,395
2002	11,634	11,645	21,734	25,477	22,334	11,673

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Net cash farm income of the operations (see text) [1] $1,000, 2007	251,360	367,493	1,182,644	2,409,247	2,589,025	2,080,357
2002	149,535	294,688	538,670	1,557,074	1,008,285	694,544
Average per farm ....dollars, 2007	24,340	17,558	32,533	45,532	80,983	27,423
2002	15,074	19,373	14,460	28,869	32,972	8,929
Farms with net gains [2] .... number, 2007	4,049	7,404	16,047	22,901	25,174	39,770
2002	3,803	5,927	16,523	25,037	22,964	32,837
Average per farm ....dollars, 2007	87,040	73,142	96,333	122,133	107,275	62,977
2002	61,687	68,645	56,405	75,631	50,768	37,815
Farms with net losses .... number, 2007	6,278	13,526	20,305	30,012	6,796	36,091
2002	6,117	9,284	20,729	28,898	7,616	44,951
Average per farm ....dollars, 2007	16,098	12,868	17,888	12,919	16,408	11,754
2002	13,906	12,082	18,974	11,644	20,686	12,173
Net cash farm income of operators (see text) [1] $1,000, 2007	250,825	357,341	1,174,764	1,393,655	2,474,353	1,809,390
2002	150,686	297,086	548,991	1,025,309	951,933	591,965
Average per farm ....dollars, 2007	24,288	17,073	32,316	26,339	77,396	23,851
2002	15,190	19,531	14,737	19,010	31,129	7,610
Farm operators reporting net gains ....farms, 2007	4,048	7,369	16,006	22,492	25,046	39,302
2002	3,888	5,998	16,646	25,196	22,751	33,034
Average per farm ....dollars, 2007	86,950	72,457	96,240	80,033	103,556	57,249
2002	60,412	68,329	56,494	55,054	49,056	34,814
Farm operators reporting net losses ....farms, 2007	6,279	13,561	20,346	30,421	6,924	36,559
2002	6,032	9,213	20,606	28,739	7,829	44,754
Average per farm ....dollars, 2007	16,109	13,022	17,971	13,361	17,230	12,053
2002	13,958	12,239	18,995	12,590	20,967	12,470

See footnote(s) at end of table.

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Table 4. **Net Cash Farm Income of Operations and Operators: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Net cash farm income of the operations (see text) [1] $1,000, 2007	1,028,845	903,728	1,172,716	6,921	509,026
2002	684,606	607,092	863,628	12,404	311,880
Average per farm ..... dollars, 2007	11,885	23,441	18,567	5,678	19,679
2002	8,220	15,156	14,853	14,457	12,712
Farms with net gains [2] ..... number, 2007	33,708	13,455	26,920	446	9,144
2002	36,375	14,380	23,619	364	8,214
Average per farm ..... dollars, 2007	51,479	95,534	59,587	53,803	82,202
2002	31,559	62,889	53,644	56,739	68,174
Farms with net losses ..... number, 2007	52,857	25,098	36,243	773	16,723
2002	46,907	25,675	34,525	494	16,321
Average per farm ..... dollars, 2007	13,364	15,208	11,902	22,089	14,509
2002	9,878	11,577	11,684	16,699	15,201
Net cash farm income of operators (see text) [1] $1,000, 2007	813,849	840,635	1,030,531	6,934	250,280
2002	567,407	573,363	753,646	12,514	90,542
Average per farm ..... dollars, 2007	9,402	21,805	16,315	5,689	9,676
2002	6,813	14,314	12,962	14,585	3,690
Farm operators reporting net gains ..... farms, 2007	33,315	13,367	26,744	445	9,053
2002	36,382	14,624	23,992	368	8,538
Average per farm ..... dollars, 2007	46,536	91,894	54,913	53,945	56,015
2002	28,207	59,757	48,438	56,315	40,680
Farm operators reporting net losses ..... farms, 2007	53,250	25,186	36,419	774	16,814
2002	46,900	25,431	34,152	490	15,997
Average per farm ..... dollars, 2007	13,831	15,394	12,028	22,056	15,275
2002	9,783	11,817	11,960	16,755	16,052

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Net cash farm income of the operations (see text) [1] $1,000, 2007	2,217,996	243,778	3,167,114	259,403	159,346
2002	902,091	366,526	1,447,457	220,270	101,678
Average per farm ..... dollars, 2007	71,160	3,075	12,800	15,533	22,816
2002	28,448	4,185	6,324	14,404	15,462
Farms with net gains [2] ..... number, 2007	21,983	28,835	82,282	6,631	3,051
2002	20,480	33,203	81,164	5,935	3,157
Average per farm ..... dollars, 2007	109,965	23,371	66,694	58,939	69,973
2002	56,871	22,249	37,605	55,661	43,928
Farms with net losses ..... number, 2007	9,186	50,445	165,155	10,069	3,933
2002	11,230	54,384	147,722	9,357	3,419
Average per farm ..... dollars, 2007	21,702	8,527	14,051	13,052	13,766
2002	23,387	6,844	10,863	11,764	10,823
Net cash farm income of operators (see text) [1] $1,000, 2007	2,106,109	129,610	2,689,662	239,518	159,352
2002	848,668	301,791	1,044,631	222,350	103,124
Average per farm ..... dollars, 2007	67,571	1,635	10,870	14,342	22,817
2002	26,763	3,446	4,564	14,540	15,682
Farm operators reporting net gains ..... farms, 2007	21,792	28,486	81,557	6,562	3,044
2002	20,412	34,141	83,317	6,024	3,188
Average per farm ..... dollars, 2007	106,223	20,230	62,030	57,194	70,144
2002	54,913	19,990	32,063	54,998	43,755
Farm operators reporting net losses ..... farms, 2007	9,377	50,794	165,880	10,138	3,940
2002	11,298	53,446	145,569	9,268	3,388
Average per farm ..... dollars, 2007	22,257	8,794	14,283	13,394	13,748
2002	24,093	7,123	11,175	11,756	10,734

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Net cash farm income of the operations (see text) [1] $1,000, 2007	419,946	1,785,615	71,019	2,739,043	275,712
2002	503,951	1,219,896	103,329	1,384,224	115,282
Average per farm ..... dollars, 2007	8,863	45,454	3,007	34,909	24,909
2002	10,586	33,925	4,976	17,946	12,222
Farms with net gains [2] ..... number, 2007	17,943	14,690	8,495	40,240	4,667
2002	21,898	14,857	7,580	38,527	4,290
Average per farm ..... dollars, 2007	49,030	156,938	19,003	78,109	90,044
2002	32,517	106,715	22,877	43,553	48,758
Farms with net losses ..... number, 2007	29,440	24,594	15,123	38,223	6,402
2002	25,707	21,102	13,184	38,606	5,142
Average per farm ..... dollars, 2007	15,618	21,135	5,978	10,572	22,575
2002	8,095	17,324	5,315	7,609	18,260
Net cash farm income of operators (see text) [1] $1,000, 2007	250,593	1,666,293	22,711	2,677,445	249,203
2002	304,601	1,154,566	40,708	1,353,663	108,960
Average per farm ..... dollars, 2007	5,289	42,417	962	34,124	22,514
2002	6,398	32,108	1,960	17,550	11,552
Farm operators reporting net gains ..... farms, 2007	17,767	14,586	8,406	40,117	4,625
2002	22,278	14,788	7,943	38,808	4,238
Average per farm ..... dollars, 2007	40,621	150,045	13,647	77,077	85,803
2002	23,142	103,114	13,821	42,540	48,359
Farm operators reporting net losses ..... farms, 2007	29,616	24,698	15,212	38,346	6,444
2002	25,327	21,171	12,821	38,325	5,194
Average per farm ..... dollars, 2007	15,908	21,146	6,048	10,813	22,911
2002	8,329	17,490	5,388	7,756	18,480

[1] 2002 data are based on a sample of farms.
[2] Farms with total production expenses equal to total of market value of agricultural products sold, government payments, and farm-related income are included as farms with net gains.

Table 5. **Government Payments and Commodity Credit Corporation Loans: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
GOVERNMENT PAYMENTS						
Total received ....farms, 2007	838,391	14,428	78	1,140	11,461	7,444
2002	707,596	12,863	72	833	7,811	7,228
$1,000, 2007	7,983,922	124,692	1,645	55,947	269,448	240,242
2002	6,545,678	77,930	1,765	31,760	238,577	168,698
Average per farm ....dollars, 2007	9,523	8,642	21,086	49,077	23,510	32,273
2002	9,251	6,058	24,516	38,127	30,544	23,340
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	346,227	6,652	38	3	2,948	668
2002	268,830	5,371	35	4	1,393	778
$1,000, 2007	1,756,226	21,324	(D)	107	17,526	7,528
2002	1,387,956	20,260	988	(D)	6,117	6,994
Average per farm ....dollars, 2007	5,072	3,206	(D)	35,714	5,945	11,270
2002	5,163	3,772	28,220	(D)	4,391	8,990
Amount from other federal farm programs ....farms, 2007	687,434	10,806	56	1,139	10,331	7,084
2002	531,316	8,737	52	830	6,864	6,616
$1,000, 2007	6,227,696	103,368	(D)	55,840	251,922	232,714
2002	5,157,722	57,670	777	(D)	232,460	161,704
Average per farm ....dollars, 2007	9,059	9,566	(D)	49,026	24,385	32,851
2002	9,707	6,601	14,951	(D)	33,867	24,441
COMMODITY CREDIT CORPORATION LOANS						
Total ....farms, 2007	50,572	362	1	70	1,176	1,098
2002	106,120	709	1	179	2,109	1,550
$1,000, 2007	4,445,758	24,418	(D)	16,498	251,805	181,426
2002	3,833,308	19,551	(D)	19,622	215,327	183,714

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
GOVERNMENT PAYMENTS						
Total received ....farms, 2007	11,572	352	950	4,664	14,546	218
2002	10,163	254	617	2,554	15,510	113
$1,000, 2007	155,980	4,122	8,896	45,343	224,523	2,378
2002	125,774	3,681	8,643	21,818	118,535	886
Average per farm ....dollars, 2007	13,479	11,710	9,364	9,722	15,435	10,908
2002	12,376	14,492	14,009	8,543	7,642	7,841
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	5,883	38	226	2,418	5,090	2
2002	3,775	23	157	1,281	5,907	7
$1,000, 2007	72,695	57	908	7,874	12,916	(D)
2002	48,286	39	726	3,760	16,041	(D)
Average per farm ....dollars, 2007	12,357	1,506	4,017	3,257	2,538	(D)
2002	12,791	1,676	4,626	2,935	2,716	(D)
Amount from other federal farm programs ....farms, 2007	8,513	335	828	3,144	12,131	218
2002	7,977	241	525	1,451	10,940	107
$1,000, 2007	83,285	4,065	7,988	37,469	211,606	(D)
2002	77,489	3,643	7,917	18,058	102,494	(D)
Average per farm ....dollars, 2007	9,783	12,133	9,647	11,918	17,443	(D)
2002	9,714	15,114	15,080	12,445	9,369	(D)
COMMODITY CREDIT CORPORATION LOANS						
Total ....farms, 2007	214	1	43	155	1,236	-
2002	711	10	119	157	1,330	1
$1,000, 2007	11,563	(D)	1,978	13,279	116,575	-
2002	18,724	249	1,965	7,511	46,013	(D)

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
GOVERNMENT PAYMENTS						
Total received ....farms, 2007	9,214	56,811	35,864	74,939	44,433	29,511
2002	7,098	47,857	26,841	63,074	39,191	22,825
$1,000, 2007	99,494	487,293	260,809	706,286	427,144	103,104
2002	93,934	412,636	224,701	538,896	328,244	94,053
Average per farm ....dollars, 2007	10,798	8,577	7,272	9,425	9,613	3,494
2002	13,234	8,622	8,372	8,544	8,375	4,121
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	3,285	26,660	14,127	40,502	21,481	8,437
2002	2,334	21,845	9,108	30,454	18,620	7,136
$1,000, 2007	31,198	84,995	32,264	208,329	116,182	26,988
2002	27,341	76,074	21,459	150,444	94,436	24,764
Average per farm ....dollars, 2007	9,497	3,188	2,284	5,144	5,409	3,199
2002	11,714	3,482	2,356	4,940	5,072	3,470
Amount from other federal farm programs ....farms, 2007	7,675	47,130	30,467	58,664	37,548	26,163
2002	5,572	34,694	21,167	45,009	29,444	17,768
$1,000, 2007	68,296	402,298	228,545	497,956	310,962	76,115
2002	66,593	336,561	203,242	388,452	233,808	69,290
Average per farm ....dollars, 2007	8,899	8,536	7,501	8,488	8,282	2,909
2002	11,951	9,701	9,602	8,631	7,941	3,900
COMMODITY CREDIT CORPORATION LOANS						
Total ....farms, 2007	252	3,289	2,756	9,727	1,450	528
2002	863	9,472	5,451	17,025	5,260	1,341
$1,000, 2007	9,899	296,321	293,157	732,579	46,082	33,060
2002	27,542	295,789	207,832	709,718	75,003	25,033

See footnote(s) at end of table.

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Table 5. **Government Payments and Commodity Credit Corporation Loans: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
GOVERNMENT PAYMENTS						
Total received ..... farms, 2007	10,621	1,459	4,588	593	23,239	56,657
2002	7,562	1,244	3,372	415	18,133	43,927
$1,000, 2007	169,333	8,815	33,386	4,603	118,871	445,861
2002	123,599	8,664	33,131	4,268	144,771	350,709
Average per farm ..... dollars, 2007	15,943	6,042	7,277	7,763	5,115	7,869
2002	16,345	6,965	9,825	10,284	7,984	7,984
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ..... farms, 2007	4,160	695	2,525	30	8,592	27,687
2002	1,988	476	1,611	17	6,603	20,211
$1,000, 2007	23,610	1,508	9,697	46	21,880	112,226
2002	9,833	1,223	6,569	(D)	19,364	84,535
Average per farm ..... dollars, 2007	5,675	2,170	3,840	1,517	2,547	4,053
2002	4,946	2,569	4,078	(D)	2,933	4,183
Amount from other federal farm programs ..... farms, 2007	8,897	1,008	3,109	576	18,545	41,951
2002	6,091	844	2,212	404	13,246	29,661
$1,000, 2007	145,723	7,307	23,690	4,558	96,991	333,635
2002	113,766	7,441	26,562	(D)	125,406	266,175
Average per farm ..... dollars, 2007	16,379	7,249	7,620	7,913	5,230	7,953
2002	18,678	8,816	12,008	(D)	9,467	8,974
COMMODITY CREDIT CORPORATION LOANS						
Total ..... farms, 2007	538	8	135	4	1,073	6,495
2002	1,022	71	361	21	2,601	10,035
$1,000, 2007	93,121	(D)	8,127	342	79,301	615,141
2002	63,238	551	8,081	(D)	72,023	454,241

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
GOVERNMENT PAYMENTS						
Total received ..... farms, 2007	17,187	45,102	13,080	34,924	331	423
2002	12,383	43,379	12,389	32,007	439	359
$1,000, 2007	231,382	319,519	221,977	387,340	4,007	2,474
2002	145,508	264,475	210,749	347,517	4,322	3,823
Average per farm ..... dollars, 2007	13,463	7,084	16,971	11,091	12,105	5,848
2002	11,751	6,097	17,011	10,858	9,845	10,648
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ..... farms, 2007	10,714	20,678	5,984	12,511	5	24
2002	8,056	15,066	5,469	10,403	38	18
$1,000, 2007	43,507	106,800	108,592	73,108	42	26
2002	29,157	86,933	102,307	59,681	515	47
Average per farm ..... dollars, 2007	4,061	5,165	18,147	5,843	8,490	1,078
2002	3,619	5,770	18,707	5,737	13,547	2,611
Amount from other federal farm programs ..... farms, 2007	11,316	36,882	10,763	31,590	327	410
2002	5,695	34,000	9,517	26,240	410	346
$1,000, 2007	187,875	212,719	113,385	314,232	3,964	2,448
2002	116,350	177,542	108,442	287,836	3,807	3,776
Average per farm ..... dollars, 2007	16,603	5,768	10,535	9,947	12,123	5,970
2002	20,430	5,222	11,395	10,969	9,286	10,912
COMMODITY CREDIT CORPORATION LOANS						
Total ..... farms, 2007	646	2,075	468	3,366	-	-
2002	1,028	4,171	1,170	7,199	6	15
$1,000, 2007	138,554	180,035	26,355	289,640	-	-
2002	94,558	126,418	31,367	258,686	(D)	186

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
GOVERNMENT PAYMENTS						
Total received ..... farms, 2007	857	3,329	10,596	13,856	26,708	38,069
2002	582	3,246	9,896	12,312	23,892	28,851
$1,000, 2007	6,988	43,377	62,652	147,334	359,532	232,184
2002	4,441	50,201	110,234	97,696	293,067	197,425
Average per farm ..... dollars, 2007	8,154	13,030	5,913	10,633	13,462	6,099
2002	7,630	15,466	11,139	7,935	12,266	6,843
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ..... farms, 2007	143	1,357	2,478	4,181	15,253	13,734
2002	62	1,205	2,390	3,536	12,471	8,988
$1,000, 2007	315	16,556	5,249	9,606	108,166	35,319
2002	135	16,700	7,576	7,456	92,091	23,482
Average per farm ..... dollars, 2007	2,206	12,200	2,118	2,298	7,091	2,572
2002	2,177	13,859	3,170	2,109	7,384	2,613
Amount from other federal farm programs ..... farms, 2007	810	2,547	9,480	11,537	20,169	32,987
2002	526	2,409	8,413	9,536	16,222	23,026
$1,000, 2007	6,673	26,822	57,402	137,728	251,366	196,865
2002	4,306	33,501	102,658	90,239	200,976	173,943
Average per farm ..... dollars, 2007	8,238	10,531	6,055	11,938	12,463	5,968
2002	8,186	13,907	12,202	9,463	12,389	7,554
COMMODITY CREDIT CORPORATION LOANS						
Total ..... farms, 2007	25	67	411	749	1,257	1,733
2002	87	144	678	1,958	3,187	5,003
$1,000, 2007	668	5,833	31,214	41,729	87,231	165,193
2002	1,682	5,501	18,814	37,289	106,238	113,659

See footnote(s) at end of table.

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Table 5. **Government Payments and Commodity Credit Corporation Loans: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
GOVERNMENT PAYMENTS					
Total received ....farms, 2007	27,015	5,115	17,441	101	7,715
2002	24,316	4,430	11,991	52	6,112
$1,000, 2007	209,465	76,491	75,975	743	67,253
2002	149,942	52,085	85,794	528	38,384
Average per farm ....dollars, 2007	7,754	14,954	4,356	7,353	8,717
2002	6,166	11,757	7,155	10,145	6,280
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	6,833	1,756	6,784	-	3,908
2002	5,968	1,320	3,614	3	3,268
$1,000, 2007	34,347	27,169	20,079	-	8,972
2002	31,783	18,824	8,448	(D)	7,231
Average per farm ....dollars, 2007	5,027	15,472	2,960	-	2,296
2002	5,326	14,261	2,338	(D)	2,213
Amount from other federal farm programs ....farms, 2007	24,061	4,494	13,424	101	5,709
2002	20,117	3,633	9,172	50	3,540
$1,000, 2007	175,117	49,322	55,896	743	58,282
2002	118,158	33,261	77,346	(D)	31,153
Average per farm ....dollars, 2007	7,278	10,975	4,164	7,353	10,209
2002	5,874	9,155	8,433	(D)	8,800
COMMODITY CREDIT CORPORATION LOANS					
Total ....farms, 2007	600	86	440	-	329
2002	2,070	358	1,054	2	475
$1,000, 2007	20,196	4,175	16,598	-	24,312
2002	30,658	7,745	10,541	(D)	10,879

Item	South Dakota	Tennessee	Texas	Utah	Vermont
GOVERNMENT PAYMENTS					
Total received ....farms, 2007	22,911	17,320	48,027	2,960	1,351
2002	20,259	16,034	42,217	2,987	1,296
$1,000, 2007	270,748	95,744	720,903	22,759	6,773
2002	215,084	59,231	528,979	26,669	24,377
Average per farm ....dollars, 2007	11,817	5,528	15,010	7,689	5,014
2002	10,617	3,694	12,530	8,928	18,809
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	10,602	5,220	15,665	668	183
2002	8,236	4,376	13,177	588	48
$1,000, 2007	63,038	15,836	138,422	5,826	405
2002	50,878	11,673	104,010	5,485	83
Average per farm ....dollars, 2007	5,946	3,034	8,836	8,722	2,213
2002	6,178	2,667	7,893	9,329	1,739
Amount from other federal farm programs ....farms, 2007	19,689	15,037	40,463	2,635	1,293
2002	15,818	12,596	32,970	2,589	1,272
$1,000, 2007	207,710	79,908	582,481	16,933	6,368
2002	164,206	47,559	424,970	21,184	24,293
Average per farm ....dollars, 2007	10,550	5,314	14,395	6,426	4,925
2002	10,381	3,776	12,890	8,182	19,099
COMMODITY CREDIT CORPORATION LOANS					
Total ....farms, 2007	2,019	896	2,158	44	2
2002	3,721	1,786	4,805	145	71
$1,000, 2007	170,262	56,021	243,247	948	(D)
2002	129,855	82,404	166,699	1,442	788

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
GOVERNMENT PAYMENTS					
Total received ....farms, 2007	9,852	6,899	2,173	47,477	2,790
2002	9,206	7,332	1,675	37,234	3,163
$1,000, 2007	54,940	138,272	2,929	195,787	28,157
2002	54,677	133,763	5,180	247,942	37,913
Average per farm ....dollars, 2007	5,577	20,042	1,348	4,124	10,092
2002	5,939	18,244	3,093	6,659	11,986
Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	2,792	3,722	225	18,105	555
2002	2,600	3,143	383	14,729	541
$1,000, 2007	3,821	68,463	305	44,356	7,016
2002	4,777	53,297	437	39,038	6,583
Average per farm ....dollars, 2007	1,369	18,394	1,357	2,450	12,642
2002	1,837	16,958	1,142	2,650	12,169
Amount from other federal farm programs ....farms, 2007	8,422	5,370	2,105	36,940	2,555
2002	7,286	5,676	1,342	25,607	2,856
$1,000, 2007	51,119	69,809	2,623	151,431	21,141
2002	49,899	80,466	4,743	208,905	31,330
Average per farm ....dollars, 2007	6,070	13,000	1,246	4,099	8,274
2002	6,849	14,176	3,534	8,158	10,970
COMMODITY CREDIT CORPORATION LOANS					
Total ....farms, 2007	251	153	42	2,116	28
2002	717	783	87	4,852	149
$1,000, 2007	10,122	9,701	255	98,105	(D)
2002	12,507	38,998	1,493	92,266	736

[1] 2002 data do not include farms with land in Farmable Wetlands or Conservation Reserve Enhancement Programs.

Table 6. **Income From Farm-Related Sources: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item		United States	Alabama	Alaska	Arizona	Arkansas	California
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	693,187	9,777	117	1,751	9,792	16,846
	2002	621,926	8,757	100	1,332	8,155	14,961
	$1,000, 2007	10,489,874	119,799	3,224	76,233	130,397	820,562
	2002	5,859,226	67,187	1,727	46,346	85,641	528,518
Average per farm	dollars, 2007	15,133	12,253	27,555	43,537	13,317	48,710
	2002	9,421	7,672	17,268	34,794	10,502	35,326
Customwork and other agricultural services	farms, 2007	121,874	1,364	24	423	1,589	3,869
	2002	124,697	1,222	40	287	1,648	4,058
	$1,000, 2007	1,875,665	11,809	799	19,695	26,985	257,785
	2002	1,391,573	7,516	735	15,843	21,868	205,984
Gross cash rent or share payments (see text)	farms, 2007	241,923	3,136	20	304	2,375	4,652
	2002	183,502	2,556	16	261	1,586	4,215
	$1,000, 2007	2,883,897	14,020	84	16,336	37,785	170,043
	2002	1,630,485	11,449	65	10,737	23,039	135,990
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	47,603	1,948	15	152	1,268	546
	2002	45,866	1,830	18	11	1,640	503
	$1,000, 2007	594,944	44,159	37	222	16,952	9,408
	2002	465,046	26,516	44	39	14,586	8,163
Agri-tourism and recreational services (see text)	farms, 2007	23,350	591	28	111	268	685
	2002	28,016	839	13	55	478	499
	$1,000, 2007	566,834	7,107	1,476	6,291	4,124	34,880
	2002	202,184	5,216	195	1,146	3,119	6,587
Patronage dividends and refunds from cooperatives	farms, 2007	288,196	2,787	3	269	4,378	5,381
	2002	254,296	2,215	7	330	3,415	4,934
	$1,000, 2007	854,995	4,610	(D)	12,703	20,873	113,546
	2002	505,449	4,404	2	6,392	13,402	76,373
Crop and livestock insurance payments (see text)	farms, 2007	82,001	880	-	42	854	1,511
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	1,676,727	27,607	-	1,037	10,318	63,418
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	34,410	749	3	254	517	223
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	145,413	1,459	(D)	1,071	1,334	2,460
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	4,226	1,948	(D)	4,216	2,580	11,032
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	118,939	827	51	503	796	3,875
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	1,891,400	9,029	815	18,879	12,026	169,021
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Total income from farm-related sources, gross before taxes and expenses (see text) ....farms, 2007	11,075	1,233	1,063	6,877	10,936	636
2002	9,085	1,116	857	5,382	10,681	449
$1,000, 2007	183,091	36,971	22,499	200,587	211,673	46,522
2002	108,052	17,670	7,391	112,039	147,692	19,237
Average per farm ....dollars, 2007	16,532	29,985	21,165	29,168	19,356	73,147
2002	11,893	15,834	8,624	20,817	13,828	42,844
Customwork and other agricultural services ....farms, 2007	2,191	187	123	983	1,575	197
2002	2,131	131	157	914	1,709	181
$1,000, 2007	38,570	1,601	2,481	24,716	24,677	6,273
2002	24,563	945	1,530	16,329	18,829	7,448
Gross cash rent or share payments (see text) ....farms, 2007	4,387	236	367	1,888	4,285	116
2002	2,529	173	269	1,252	3,742	103
$1,000, 2007	40,317	1,177	2,896	31,599	39,089	5,729
2002	22,282	638	1,068	22,875	29,902	3,482
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products ....farms, 2007	269	219	38	769	2,043	23
2002	183	158	16	694	2,118	21
$1,000, 2007	1,110	908	157	15,986	53,550	(D)
2002	1,209	790	116	16,053	34,285	243
Agri-tourism and recreational services (see text) ....farms, 2007	679	101	24	281	602	121
2002	867	30	36	278	1,059	24
$1,000, 2007	32,913	8,582	445	11,404	14,654	22,911
2002	12,042	335	153	2,844	6,117	1,607
Patronage dividends and refunds from cooperatives ....farms, 2007	3,647	225	450	1,523	1,968	49
2002	3,188	263	433	1,086	1,876	40
$1,000, 2007	6,189	678	1,147	19,306	11,475	(D)
2002	6,044	1,001	1,015	7,295	7,529	90
Crop and livestock insurance payments (see text) ....farms, 2007	1,307	23	220	334	1,329	7
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	24,358	255	8,746	18,405	34,818	19
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments ....farms, 2007	417	98	97	324	332	39
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	1,699	1,975	588	2,023	1,710	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm ....dollars, 2007	4,074	20,156	6,062	6,244	5,150	(D)
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text) ....farms, 2007	2,359	506	139	2,030	1,614	151
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$1,000, 2007	37,935	21,795	6,038	77,148	31,701	10,290
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	7,717	33,127	21,501	49,954	28,874	27,706
	2002	6,643	27,456	18,507	40,681	23,962	33,083
	$1,000, 2007	177,542	471,212	247,380	771,079	485,896	288,008
	2002	130,540	213,081	137,324	339,770	179,214	210,952
Average per farm	dollars, 2007	23,007	14,224	11,506	15,436	16,828	10,395
	2002	19,651	7,761	7,420	8,352	7,479	6,376
Customwork and other agricultural services	farms, 2007	1,765	6,866	4,089	9,911	5,775	2,891
	2002	1,769	7,707	4,681	10,771	5,799	2,772
	$1,000, 2007	39,487	89,050	40,809	137,354	92,067	20,137
	2002	29,598	68,588	35,682	103,243	63,361	14,346
Gross cash rent or share payments (see text)	farms, 2007	3,700	12,261	9,850	20,621	12,585	5,765
	2002	2,580	6,625	7,027	12,081	7,225	8,986
	$1,000, 2007	81,525	216,620	116,189	452,100	101,558	38,353
	2002	72,402	79,474	57,772	170,001	47,051	28,274
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	465	740	1,241	697	356	2,488
	2002	487	751	1,159	688	288	1,727
	$1,000, 2007	6,576	6,978	13,720	6,129	1,438	23,093
	2002	6,829	5,777	10,807	4,934	834	16,994
Agri-tourism and recreational services (see text)	farms, 2007	135	665	267	245	930	428
	2002	105	606	172	256	1,290	421
	$1,000, 2007	5,340	11,776	2,688	3,122	8,091	3,332
	2002	1,100	3,668	838	880	2,886	1,153
Patronage dividends and refunds from cooperatives	farms, 2007	2,335	17,592	6,879	28,817	14,724	4,462
	2002	1,744	15,644	5,774	24,233	13,194	4,293
	$1,000, 2007	11,357	34,858	12,408	61,629	24,635	11,218
	2002	3,577	19,850	7,949	27,174	15,276	2,356
Crop and livestock insurance payments (see text)	farms, 2007	573	3,691	2,237	4,259	9,009	1,174
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	16,031	43,547	31,963	48,599	230,143	29,875
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	182	789	671	2,132	-	3,173
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	1,003	3,512	2,026	8,125	-	7,666
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	5,512	4,451	3,019	3,811	-	2,416
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	1,154	3,108	2,723	4,302	2,556	15,994
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	16,222	64,871	27,578	54,022	27,964	154,334
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	4,951	1,884	4,741	2,087	17,728	44,751
	2002	4,964	1,865	3,847	1,766	15,056	37,874
	$1,000, 2007	93,392	35,359	90,921	63,327	223,607	622,068
	2002	67,770	15,419	40,404	34,623	133,320	282,089
Average per farm	dollars, 2007	18,863	18,768	19,178	30,343	12,613	13,901
	2002	13,652	8,267	10,503	19,605	8,855	7,448
Customwork and other agricultural services	farms, 2007	791	296	776	318	3,006	6,543
	2002	778	337	809	315	3,087	6,577
	$1,000, 2007	17,254	12,809	8,560	3,677	42,258	85,305
	2002	12,806	1,924	7,484	2,503	29,184	55,529
Gross cash rent or share payments (see text)	farms, 2007	1,823	292	1,542	246	7,532	16,798
	2002	2,250	274	1,168	242	5,446	11,000
	$1,000, 2007	31,037	1,733	9,143	902	47,264	230,537
	2002	23,704	1,075	4,621	925	29,230	116,720
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	594	688	297	482	1,524	862
	2002	554	705	264	361	1,557	1,116
	$1,000, 2007	15,063	5,816	3,334	2,401	12,551	5,596
	2002	8,346	3,839	3,477	1,928	11,799	5,414
Agri-tourism and recreational services (see text)	farms, 2007	170	112	231	154	645	367
	2002	307	73	238	52	615	400
	$1,000, 2007	2,486	1,012	7,329	5,306	22,899	7,744
	2002	2,346	433	1,178	665	3,295	1,843
Patronage dividends and refunds from cooperatives	farms, 2007	1,370	257	1,468	407	4,698	28,662
	2002	1,141	308	1,318	333	3,247	25,850
	$1,000, 2007	9,494	405	3,252	9,534	16,161	101,506
	2002	6,392	506	2,891	1,467	8,745	51,818
Crop and livestock insurance payments (see text)	farms, 2007	301	55	628	89	1,560	7,239
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	3,641	1,080	16,199	1,423	21,075	128,173
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	338	148	557	115	607	1,315
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	2,173	1,205	3,968	1,951	1,908	4,715
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	6,428	8,140	7,124	16,968	3,143	3,586
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	575	503	1,176	766	3,356	3,732
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	12,245	11,299	39,137	38,133	59,490	58,491
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	9,672	32,143	11,344	26,568	551	1,063
	2002	7,871	29,866	9,968	23,664	597	881
	$1,000, 2007	152,976	262,604	201,752	398,814	10,383	20,988
	2002	96,948	162,848	103,574	227,333	10,204	14,433
Average per farm	dollars, 2007	15,816	8,170	17,785	15,011	18,844	19,744
	2002	12,317	5,453	10,391	9,607	17,092	16,382
Customwork and other agricultural services	farms, 2007	1,171	6,172	1,674	5,680	171	202
	2002	1,136	6,400	1,782	5,845	162	174
	$1,000, 2007	20,772	58,063	25,161	96,927	3,828	1,016
	2002	19,766	49,033	18,825	69,589	2,698	1,582
Gross cash rent or share payments (see text)	farms, 2007	2,844	11,019	4,510	10,428	191	93
	2002	1,868	7,939	3,109	7,299	170	83
	$1,000, 2007	35,102	90,908	61,253	192,618	2,778	272
	2002	18,843	53,833	34,448	100,318	4,311	168
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	2,146	2,764	370	86	4	376
	2002	2,070	2,596	327	93	13	294
	$1,000, 2007	40,275	19,261	10,671	287	8	4,107
	2002	27,513	14,322	5,542	510	148	4,519
Agri-tourism and recreational services (see text)	farms, 2007	506	588	790	301	38	88
	2002	608	773	1,044	350	55	16
	$1,000, 2007	7,928	7,722	18,543	4,455	799	2,316
	2002	3,475	3,222	7,760	1,375	442	265
Patronage dividends and refunds from cooperatives	farms, 2007	3,492	15,268	5,474	16,989	69	145
	2002	2,910	13,977	4,729	14,835	65	106
	$1,000, 2007	19,326	26,079	7,651	23,285	(D)	420
	2002	15,413	10,534	3,410	14,270	108	259
Crop and livestock insurance payments (see text)	farms, 2007	524	2,994	2,339	4,624	9	23
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	15,173	35,804	60,443	53,182	224	219
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	482	1,718	221	717	4	88
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	1,818	5,124	1,101	2,514	(D)	1,186
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	3,771	2,982	4,981	3,507	(D)	13,478
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	680	3,047	2,556	2,367	186	354
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	12,583	19,643	16,929	25,545	2,500	11,452
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	3,337	3,170	13,891	15,622	20,204	26,316
	2002	2,850	2,413	12,253	15,786	18,258	23,477
	$1,000, 2007	92,697	53,501	204,670	257,582	385,147	237,920
	2002	37,345	38,696	121,091	154,614	173,736	151,788
Average per farm	dollars, 2007	27,778	16,877	14,734	16,488	19,063	9,041
	2002	13,104	16,036	9,883	9,794	9,516	6,465
Customwork and other agricultural services	farms, 2007	294	752	2,285	2,229	2,848	5,174
	2002	323	620	2,182	2,211	2,797	5,787
	$1,000, 2007	4,269	11,965	27,380	27,050	42,359	43,515
	2002	3,135	9,269	20,170	18,765	28,753	34,851
Gross cash rent or share payments (see text)	farms, 2007	479	942	3,453	5,113	9,607	9,414
	2002	408	716	2,776	5,397	7,342	7,250
	$1,000, 2007	1,963	8,929	14,208	23,875	142,859	70,576
	2002	1,548	6,895	7,556	24,527	89,444	35,746
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	1,131	244	2,199	1,632	15	2,248
	2002	926	76	2,170	1,669	6	2,067
	$1,000, 2007	1,393	(D)	19,103	25,131	11	19,112
	2002	997	4,464	16,233	19,037	10	15,809
Agri-tourism and recreational services (see text)	farms, 2007	322	345	575	602	213	418
	2002	204	372	419	622	200	299
	$1,000, 2007	24,700	14,958	17,985	12,661	1,450	4,965
	2002	1,229	3,797	1,420	1,870	914	2,198
Patronage dividends and refunds from cooperatives	farms, 2007	312	534	3,692	3,345	12,680	9,371
	2002	317	446	4,217	3,375	12,029	7,428
	$1,000, 2007	1,395	2,673	16,393	10,743	29,732	15,893
	2002	899	4,743	16,468	10,376	12,745	8,251
Crop and livestock insurance payments (see text)	farms, 2007	91	181	448	1,933	5,731	2,769
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	1,468	2,166	7,585	51,411	151,370	26,231
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	53	314	4,282	758	397	1,022
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	669	(D)	27,673	5,923	1,894	3,169
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	12,629	(D)	6,463	7,813	4,770	3,100
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	1,206	523	3,430	5,494	2,513	4,561
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	56,840	7,995	74,345	100,788	15,471	54,459
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	17,270	10,529	17,846	261	5,458
	2002	15,043	9,943	16,667	164	4,912
	$1,000, 2007	236,684	175,953	197,047	5,333	101,271
	2002	101,237	131,959	127,728	4,359	71,770
Average per farm	dollars, 2007	13,705	16,711	11,042	20,434	18,555
	2002	6,730	13,272	7,664	26,578	14,611
Customwork and other agricultural services	farms, 2007	4,122	2,095	3,752	28	738
	2002	3,801	2,125	3,718	18	665
	$1,000, 2007	53,374	41,273	37,595	121	7,112
	2002	35,430	36,822	25,815	76	5,452
Gross cash rent or share payments (see text)	farms, 2007	5,927	4,225	5,293	30	1,790
	2002	4,601	3,622	4,011	21	1,473
	$1,000, 2007	30,776	35,197	19,348	104	7,394
	2002	27,835	26,008	13,134	170	6,535
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	622	1,488	2,130	65	1,140
	2002	540	1,492	2,091	40	1,294
	$1,000, 2007	3,319	26,603	19,450	301	27,445
	2002	2,330	22,643	17,084	238	26,861
Agri-tourism and recreational services (see text)	farms, 2007	616	376	552	43	376
	2002	891	350	303	6	528
	$1,000, 2007	6,088	6,571	14,926	689	8,162
	2002	2,953	3,000	2,209	23	2,768
Patronage dividends and refunds from cooperatives	farms, 2007	4,996	2,611	5,505	39	901
	2002	4,772	1,981	5,579	21	757
	$1,000, 2007	7,807	13,519	11,074	152	2,190
	2002	5,301	11,751	12,297	28	2,172
Crop and livestock insurance payments (see text)	farms, 2007	3,265	396	1,281	5	657
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	98,618	15,888	16,811	62	22,737
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	1,568	152	690	8	251
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	3,399	1,142	3,426	48	1,849
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	2,168	7,513	4,965	5,954	7,367
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	1,787	2,112	5,011	107	1,200
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	33,305	35,761	74,417	3,857	24,383
	2002	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		South Dakota	Tennessee	Texas	Utah	Vermont
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	18,707	22,015	43,311	3,541	2,433
	2002	16,869	22,847	39,481	2,869	2,065
	$1,000, 2007	365,971	151,481	668,236	36,546	28,764
	2002	160,264	91,379	412,041	20,951	22,840
Average per farm	dollars, 2007	19,563	6,881	15,429	10,321	11,822
	2002	9,500	4,000	10,436	7,302	11,061
Customwork and other agricultural services	farms, 2007	3,137	2,578	9,570	955	416
	2002	3,588	2,824	9,338	863	341
	$1,000, 2007	45,106	17,723	156,995	8,300	2,954
	2002	32,972	13,583	107,503	6,279	2,645
Gross cash rent or share payments (see text)	farms, 2007	7,669	4,514	15,179	1,376	420
	2002	5,213	6,234	12,096	976	347
	$1,000, 2007	137,004	19,164	133,670	5,772	1,507
	2002	64,296	15,554	82,637	4,057	936
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	36	2,248	1,676	40	827
	2002	47	2,171	1,645	28	604
	$1,000, 2007	176	22,420	23,153	122	5,216
	2002	490	18,585	18,860	250	3,513
Agri-tourism and recreational services (see text)	farms, 2007	667	510	5,322	191	109
	2002	735	637	8,230	212	57
	$1,000, 2007	14,936	6,507	109,904	6,034	1,490
	2002	6,155	2,416	77,616	1,868	2,875
Patronage dividends and refunds from cooperatives	farms, 2007	12,150	7,698	12,184	820	739
	2002	11,607	7,102	9,279	598	763
	$1,000, 2007	28,079	6,873	57,407	6,024	2,324
	2002	16,864	4,041	34,174	2,715	4,224
Crop and livestock insurance payments (see text)	farms, 2007	5,149	1,112	4,567	197	68
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	112,387	23,187	91,955	2,054	1,276
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	548	2,494	1,721	135	443
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	2,473	8,094	6,727	1,081	1,561
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	4,512	3,245	3,909	8,010	3,524
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	2,204	8,079	4,999	659	506
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	25,809	47,513	88,424	7,157	12,435
	2002	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 6. **Income From Farm-Related Sources: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
Total income from farm-related sources, gross before taxes and expenses (see text)	farms, 2007	14,910	10,733	4,004	39,314	3,850
	2002	15,317	9,534	3,314	35,240	3,198
	$1,000, 2007	170,355	244,801	22,280	324,614	60,157
	2002	119,904	150,154	16,115	178,137	31,771
Average per farm	dollars, 2007	11,426	22,808	5,564	8,257	15,625
	2002	7,828	15,749	4,863	5,055	9,935
Customwork and other agricultural services	farms, 2007	1,800	1,852	479	5,551	597
	2002	1,914	2,011	462	5,206	524
	$1,000, 2007	13,917	46,653	1,172	69,278	7,629
	2002	11,834	37,718	1,344	45,992	5,836
Gross cash rent or share payments (see text)	farms, 2007	3,371	3,318	778	13,784	1,375
	2002	3,727	2,385	613	11,222	998
	$1,000, 2007	11,064	66,542	1,354	72,378	11,247
	2002	10,983	46,065	1,168	50,405	10,289
Sales of forest products, excluding Christmas trees, short rotation woody crops, and maple products	farms, 2007	1,700	933	1,040	2,657	62
	2002	1,679	762	1,025	3,220	72
	$1,000, 2007	24,137	20,812	10,979	20,711	(D)
	2002	20,692	11,435	8,108	20,348	1,484
Agri-tourism and recreational services (see text)	farms, 2007	476	342	112	568	464
	2002	610	250	175	628	729
	$1,000, 2007	12,909	11,292	970	6,836	15,126
	2002	2,681	2,271	561	1,876	5,301
Patronage dividends and refunds from cooperatives	farms, 2007	6,236	4,496	1,089	23,350	1,660
	2002	6,189	4,166	805	20,127	1,250
	$1,000, 2007	14,635	24,917	1,262	35,936	1,491
	2002	6,457	14,364	771	20,341	923
Crop and livestock insurance payments (see text)	farms, 2007	1,280	616	134	3,644	642
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	30,668	23,510	951	59,544	11,074
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Amount from state and local government agricultural program payments	farms, 2007	970	193	280	1,598	223
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	4,376	1,396	516	3,809	(D)
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Average per farm	dollars, 2007	4,511	7,235	1,844	2,383	(D)
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Other farm-related income sources (see text)	farms, 2007	4,280	2,037	839	4,648	758
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	$1,000, 2007	58,651	49,678	5,076	56,123	11,799
	2002	(NA)	(NA)	(NA)	(NA)	(NA)

Table 7. **Hired Farm Labor - Workers and Payroll: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Hired farm labor ..... farms	482,186	9,541	220	3,200	10,265	29,661
workers	2,636,509	30,932	1,651	28,754	32,502	448,183
$1,000 payroll	21,877,661	208,023	16,463	380,491	268,860	5,015,513
Farms with-						
1 worker ..... farms	166,390	3,762	50	1,397	3,870	7,051
workers	166,390	3,762	50	1,397	3,870	7,051
2 workers ..... farms	110,779	2,380	41	502	2,481	5,262
workers	221,558	4,760	82	1,004	4,962	10,524
3 or 4 workers ..... farms	97,311	1,950	48	484	2,259	5,033
workers	330,447	6,599	166	1,679	7,710	17,286
5 to 9 workers ..... farms	64,593	1,031	33	385	1,261	4,950
workers	406,110	6,323	210	2,455	7,861	32,127
10 workers or more ..... farms	43,113	418	48	432	394	7,365
workers	1,512,004	9,488	1,143	22,219	8,099	381,195
Workers by days worked:						
150 days or more ..... farms	201,292	3,119	101	1,415	4,727	16,852
workers	911,439	9,443	468	15,350	12,993	191,438
Farms with-						
1 worker ..... farms	86,117	1,522	36	397	2,027	4,729
workers	86,117	1,522	36	397	2,027	4,729
2 workers ..... farms	45,512	747	17	285	1,179	3,108
workers	91,024	1,494	34	570	2,358	6,216
3 or 4 workers ..... farms	35,050	497	16	238	961	2,792
workers	117,750	1,641	55	809	3,219	9,527
5 to 9 workers ..... farms	19,999	209	19	204	429	2,756
workers	125,463	1,288	118	1,278	2,627	17,878
10 workers or more ..... farms	14,614	144	13	291	131	3,467
workers	491,085	3,498	225	12,296	2,762	153,088
Less than 150 days ..... farms	384,051	7,870	191	2,410	7,858	21,433
workers	1,725,070	21,489	1,183	13,404	19,509	256,745
Farms with-						
1 worker ..... farms	150,376	3,411	53	1,254	3,560	6,109
workers	150,376	3,411	53	1,254	3,560	6,109
2 workers ..... farms	89,963	1,953	30	409	2,026	3,979
workers	179,926	3,906	60	818	4,052	7,958
3 or 4 workers ..... farms	74,760	1,567	45	366	1,507	3,808
workers	251,323	5,234	153	1,246	5,029	12,957
5 to 9 workers ..... farms	42,007	688	35	187	602	3,055
workers	258,998	4,142	239	1,138	3,586	19,020
10 workers or more ..... farms	26,945	251	28	194	163	4,482
workers	884,447	4,796	678	8,948	3,282	210,701
Reported only workers working 150 days or more ..... farms	98,135	1,671	29	790	2,407	8,228
workers	361,948	4,638	91	5,775	6,153	72,689
$1,000 payroll	6,947,799	86,791	1,652	137,595	104,534	1,699,025
Reported only workers working less than 150 days ..... farms	280,894	6,422	119	1,785	5,538	12,809
workers	816,908	15,423	391	5,427	11,554	71,099
$1,000 payroll	1,459,561	19,078	713	32,163	20,489	212,685
Reported both - workers working 150 days or more and workers working less than 150 days ..... farms	103,157	1,448	72	625	2,320	8,624
150 days or more, workers	549,491	4,805	377	9,575	6,840	118,749
less than 150 days, workers	908,162	6,066	792	7,977	7,955	185,646
$1,000 payroll	13,470,301	102,153	14,098	210,733	143,836	3,103,803
Migrant farm labor on farms with hired labor (see text) ..... farms	38,784	530	3	238	578	5,866
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	8,488	131	5	27	144	1,598

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Hired farm labor ....farms	7,393	1,140	647	10,081	10,225	1,783
workers	38,915	13,061	3,223	115,306	48,088	11,523
$1,000 payroll	390,625	141,360	36,460	1,208,631	361,419	178,496
Farms with-						
1 worker ....farms	2,536	231	229	2,892	3,783	427
workers	2,536	231	229	2,892	3,783	427
2 workers ....farms	1,793	207	143	2,192	2,478	387
workers	3,586	414	286	4,384	4,956	774
3 or 4 workers ....farms	1,415	202	120	1,915	1,910	402
workers	4,841	708	408	6,535	6,459	1,378
5 to 9 workers ....farms	955	250	94	1,533	1,288	324
workers	6,013	1,645	591	9,743	8,082	2,032
10 workers or more ....farms	694	250	61	1,549	766	243
workers	21,939	10,063	1,709	91,752	24,808	6,912
Workers by days worked:						
150 days or more ....farms	3,646	679	390	5,321	4,505	876
workers	15,486	5,546	1,343	52,141	17,187	6,612
Farms with-						
1 worker ....farms	1,582	176	164	1,587	1,939	236
workers	1,582	176	164	1,587	1,939	236
2 workers ....farms	850	148	83	1,091	1,175	193
workers	1,700	296	166	2,182	2,350	386
3 or 4 workers ....farms	618	153	74	975	732	179
workers	2,086	538	249	3,245	2,446	610
5 to 9 workers ....farms	338	115	51	739	410	151
workers	2,077	734	307	4,727	2,552	970
10 workers or more ....farms	258	87	18	929	249	117
workers	8,041	3,802	457	40,400	7,900	4,410
Less than 150 days ....farms	5,683	904	417	7,148	7,650	1,295
workers	23,429	7,515	1,880	63,165	30,901	4,911
Farms with-						
1 worker ....farms	2,255	236	179	2,549	3,237	375
workers	2,255	236	179	2,549	3,237	375
2 workers ....farms	1,370	164	88	1,632	1,826	322
workers	2,740	328	176	3,264	3,652	644
3 or 4 workers ....farms	1,083	199	74	1,323	1,308	285
workers	3,632	681	242	4,509	4,390	968
5 to 9 workers ....farms	578	151	40	872	786	218
workers	3,571	1,003	244	5,341	4,898	1,311
10 workers or more ....farms	397	154	36	772	493	95
workers	11,231	5,267	1,039	47,502	14,724	1,613
Reported only workers working 150 days or more ....farms	1,710	236	230	2,933	2,575	488
workers	6,180	1,386	744	20,906	8,208	3,492
$1,000 payroll	131,509	20,430	18,887	424,238	151,013	83,402
Reported only workers working less than 150 days ....farms	3,747	461	257	4,760	5,720	907
workers	9,219	1,897	763	17,727	16,526	2,827
$1,000 payroll	19,272	5,723	3,413	45,027	27,847	5,877
Reported both - workers working 150 days or more and workers working less than 150 days ....farms	1,936	443	160	2,388	1,930	388
150 days or more, workers	9,306	4,160	599	31,235	8,979	3,120
less than 150 days, workers	14,210	5,618	1,117	45,438	14,375	2,084
$1,000 payroll	239,844	115,207	14,160	739,366	182,559	89,217
Migrant farm labor on farms with hired labor (see text) ....farms	680	111	68	1,205	785	166
Migrant farm labor on farms reporting only contract labor (see text) ....farms	183	14	7	1,558	152	80

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Hired farm labor ..... farms	6,588	16,369	11,240	23,287	14,437	18,846
workers	46,934	56,444	41,414	71,924	47,663	74,496
$1,000 payroll	499,505	483,699	320,902	492,091	412,164	322,169
Farms with-						
1 worker ..... farms	1,830	6,118	3,928	9,147	5,686	5,677
workers	1,830	6,118	3,928	9,147	5,686	5,677
2 workers ..... farms	1,359	4,072	2,612	5,763	3,533	4,443
workers	2,718	8,144	5,224	11,526	7,066	8,886
3 or 4 workers ..... farms	1,318	3,517	2,440	4,834	3,142	4,106
workers	4,471	11,877	8,198	16,288	10,548	13,977
5 to 9 workers ..... farms	1,063	1,967	1,599	2,647	1,551	3,060
workers	6,914	12,048	10,035	16,343	9,494	19,125
10 workers or more ..... farms	1,018	695	661	896	525	1,560
workers	31,001	18,257	14,029	18,620	14,869	26,831
Workers by days worked:						
150 days or more ..... farms	3,282	6,233	4,225	8,093	5,698	4,667
workers	18,744	18,647	12,354	21,658	16,981	14,963
Farms with-						
1 worker ..... farms	1,014	3,003	1,866	4,300	2,901	2,153
workers	1,014	3,003	1,866	4,300	2,901	2,153
2 workers ..... farms	699	1,559	1,068	1,825	1,304	1,134
workers	1,398	3,118	2,136	3,650	2,608	2,268
3 or 4 workers ..... farms	682	1,009	761	1,254	993	735
workers	2,330	3,361	2,564	4,154	3,315	2,441
5 to 9 workers ..... farms	487	453	370	488	309	419
workers	3,146	2,770	2,242	2,978	1,893	2,614
10 workers or more ..... farms	400	209	160	226	191	226
workers	10,856	6,395	3,546	6,576	6,264	5,487
Less than 150 days ..... farms	5,231	13,446	9,283	19,204	11,558	16,807
workers	28,190	37,797	29,060	50,266	30,682	59,533
Farms with-						
1 worker ..... farms	1,738	5,684	3,742	8,307	5,238	5,407
workers	1,738	5,684	3,742	8,307	5,238	5,407
2 workers ..... farms	1,182	3,484	2,190	4,793	2,898	4,007
workers	2,364	6,968	4,380	9,586	5,796	8,014
3 or 4 workers ..... farms	1,013	2,712	1,896	3,815	2,245	3,612
workers	3,391	9,025	6,331	12,716	7,457	12,233
5 to 9 workers ..... farms	664	1,173	1,047	1,740	907	2,588
workers	4,150	7,013	6,457	10,640	5,472	15,966
10 workers or more ..... farms	634	393	408	549	270	1,193
workers	16,547	9,107	8,150	9,017	6,719	17,913
Reported only workers working 150 days or more ..... farms	1,357	2,923	1,957	4,083	2,879	2,039
workers	7,471	7,692	5,207	9,832	7,696	5,587
$1,000 payroll	171,635	159,038	101,394	165,910	161,789	81,768
Reported only workers working less than 150 days ..... farms	3,306	10,136	7,015	15,194	8,739	14,179
workers	9,683	23,815	18,999	36,156	19,647	47,721
$1,000 payroll	23,787	53,945	30,956	55,053	35,303	50,136
Reported both - workers working 150 days or more and workers working less than 150 days ..... farms	1,925	3,310	2,268	4,010	2,819	2,628
150 days or more, workers	11,273	10,955	7,147	11,826	9,285	9,376
less than 150 days, workers	18,507	13,982	10,061	14,110	11,035	11,812
$1,000 payroll	304,083	270,716	188,552	271,128	215,072	190,265
Migrant farm labor on farms with hired labor (see text) ..... farms	944	529	468	123	193	2,282
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	104	78	74	4	72	439

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Hired farm labor ..... farms	6,278	1,886	3,058	1,972	11,315	19,337
workers	27,470	15,634	14,938	13,039	86,072	76,808
$1,000 payroll	191,748	90,323	151,232	118,224	606,717	521,852
Farms with-						
1 worker ..... farms	2,018	411	934	488	2,994	6,571
workers	2,018	411	934	488	2,994	6,571
2 workers ..... farms	1,542	343	681	381	2,197	4,273
workers	3,084	686	1,362	762	4,394	8,546
3 or 4 workers ..... farms	1,314	349	660	387	2,353	4,217
workers	4,478	1,218	2,269	1,328	8,070	14,264
5 to 9 workers ..... farms	850	404	486	364	1,984	2,815
workers	5,373	2,638	3,030	2,325	12,662	17,709
10 workers or more ..... farms	554	379	297	352	1,787	1,461
workers	12,517	10,681	7,343	8,136	57,952	29,718
Workers by days worked:						
150 days or more ..... farms	2,635	822	1,608	1,086	4,702	7,493
workers	9,064	3,561	6,598	4,736	24,284	21,957
Farms with-						
1 worker ..... farms	1,053	210	607	345	1,469	3,457
workers	1,053	210	607	345	1,469	3,457
2 workers ..... farms	584	205	377	262	1,093	1,736
workers	1,168	410	754	524	2,186	3,472
3 or 4 workers ..... farms	515	227	351	219	948	1,403
workers	1,723	754	1,177	740	3,202	4,709
5 to 9 workers ..... farms	304	127	148	162	722	602
workers	1,921	789	926	1,016	4,543	3,700
10 workers or more ..... farms	179	53	125	98	470	295
workers	3,199	1,398	3,134	2,111	12,884	6,619
Less than 150 days ..... farms	5,054	1,633	2,212	1,510	9,494	16,085
workers	18,406	12,073	8,340	8,303	61,788	54,851
Farms with-						
1 worker ..... farms	1,905	401	805	406	2,819	5,961
workers	1,905	401	805	406	2,819	5,961
2 workers ..... farms	1,288	342	502	312	1,921	3,756
workers	2,576	684	1,004	624	3,842	7,512
3 or 4 workers ..... farms	1,042	305	462	305	2,030	3,464
workers	3,520	1,058	1,593	1,029	6,913	11,604
5 to 9 workers ..... farms	510	298	293	271	1,438	1,932
workers	3,140	1,945	1,764	1,680	8,927	11,960
10 workers or more ..... farms	309	287	150	216	1,286	972
workers	7,265	7,985	3,174	4,564	39,287	17,814
Reported only workers working 150 days or more ..... farms	1,224	253	846	462	1,821	3,252
workers	4,019	928	2,907	1,572	6,560	8,101
$1,000 payroll	66,322	13,845	53,584	27,678	127,046	129,658
Reported only workers working less than 150 days ..... farms	3,643	1,064	1,450	886	6,613	11,844
workers	11,012	4,772	4,077	3,468	25,339	32,436
$1,000 payroll	17,838	7,687	9,860	11,361	46,323	54,441
Reported both - workers working 150 days or more and workers working less than 150 days ..... farms	1,411	569	762	624	2,881	4,241
150 days or more, workers	5,045	2,633	3,691	3,164	17,724	13,856
less than 150 days, workers	7,394	7,301	4,263	4,835	36,449	22,415
$1,000 payroll	107,588	68,792	87,787	79,185	433,349	337,753
Migrant farm labor on farms with hired labor (see text) ..... farms	573	158	236	237	1,499	1,186
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	74	34	20	30	136	105

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Hired farm labor ..... farms	8,441	18,263	6,492	14,603	827	860
workers	31,510	47,033	22,377	46,997	4,428	5,020
$1,000 payroll	213,631	325,526	164,119	417,067	65,134	36,176
Farms with-						
1 worker ..... farms	3,017	8,925	2,187	5,498	258	263
workers	3,017	8,925	2,187	5,498	258	263
2 workers ..... farms	2,089	4,467	1,615	3,546	164	173
workers	4,178	8,934	3,230	7,092	328	346
3 or 4 workers ..... farms	1,684	2,996	1,481	3,221	186	151
workers	5,734	10,056	4,989	10,910	643	516
5 to 9 workers ..... farms	1,084	1,465	816	1,706	109	165
workers	6,765	8,956	5,123	10,541	689	1,084
10 workers or more ..... farms	567	410	393	632	110	108
workers	11,816	10,162	6,848	12,956	2,510	2,811
Workers by days worked:						
150 days or more ..... farms	3,217	5,869	3,435	6,673	527	439
workers	9,983	13,609	8,092	17,414	2,438	1,727
Farms with-						
1 worker ..... farms	1,334	3,742	1,522	3,345	191	156
workers	1,334	3,742	1,522	3,345	191	156
2 workers ..... farms	779	1,075	963	1,535	97	113
workers	1,558	2,150	1,926	3,070	194	226
3 or 4 workers ..... farms	596	668	632	1,098	118	79
workers	1,999	2,232	2,090	3,664	411	269
5 to 9 workers ..... farms	365	273	250	482	65	55
workers	2,303	1,677	1,510	2,931	435	344
10 workers or more ..... farms	143	111	68	213	56	36
workers	2,789	3,808	1,044	4,404	1,207	732
Less than 150 days ..... farms	6,958	15,052	4,775	11,261	564	689
workers	21,527	33,424	14,285	29,583	1,990	3,293
Farms with-						
1 worker ..... farms	2,873	8,063	1,999	4,973	230	244
workers	2,873	8,063	1,999	4,973	230	244
2 workers ..... farms	1,812	3,462	1,120	2,803	125	136
workers	3,624	6,924	2,240	5,606	250	272
3 or 4 workers ..... farms	1,296	2,294	961	2,228	103	131
workers	4,357	7,586	3,217	7,463	335	449
5 to 9 workers ..... farms	648	1,006	461	939	65	107
workers	3,967	6,111	2,858	5,672	396	681
10 workers or more ..... farms	329	227	234	318	41	71
workers	6,706	4,740	3,971	5,869	779	1,647
Reported only workers working 150 days or more ..... farms	1,483	3,211	1,717	3,342	263	171
workers	4,101	5,985	3,666	7,319	1,008	479
$1,000 payroll	71,516	96,599	55,457	135,076	22,957	7,002
Reported only workers working less than 150 days ..... farms	5,224	12,394	3,057	7,930	300	421
workers	13,241	24,955	7,855	18,058	682	1,187
$1,000 payroll	20,224	33,170	16,319	35,259	2,062	2,814
Reported both - workers working 150 days or more and workers working less than 150 days ..... farms	1,734	2,658	1,718	3,331	264	268
150 days or more, workers	5,882	7,624	4,426	10,095	1,430	1,248
less than 150 days, workers	8,286	8,469	6,430	11,525	1,308	2,106
$1,000 payroll	121,891	195,756	92,343	246,732	40,115	26,360
Migrant farm labor on farms with hired labor (see text) ..... farms	457	745	428	468	79	76
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	73	189	71	91	10	5

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Hired farm labor ..... farms	2,415	4,773	9,273	12,284	7,881	14,057
workers	24,385	22,996	59,683	77,400	23,706	58,271
$1,000 payroll	237,683	218,193	583,051	623,130	169,978	411,941
Farms with-						
1 worker ..... farms	616	1,746	2,294	3,678	3,489	4,895
workers	616	1,746	2,294	3,678	3,489	4,895
2 workers ..... farms	468	1,054	1,921	2,545	1,821	3,225
workers	936	2,108	3,842	5,090	3,642	6,450
3 or 4 workers ..... farms	446	914	1,870	2,506	1,515	3,050
workers	1,512	3,108	6,409	8,618	5,095	10,365
5 to 9 workers ..... farms	412	638	1,758	1,957	687	1,952
workers	2,633	3,962	11,321	12,547	4,214	12,235
10 workers or more ..... farms	473	421	1,430	1,598	369	935
workers	18,688	12,072	35,817	47,467	7,266	24,326
Workers by days worked:						
150 days or more ..... farms	1,403	1,932	5,324	5,767	3,489	4,895
workers	9,692	9,365	23,993	29,095	7,307	17,986
Farms with-						
1 worker ..... farms	387	802	1,718	2,166	1,986	2,105
workers	387	802	1,718	2,166	1,986	2,105
2 workers ..... farms	252	416	1,171	1,383	769	1,186
workers	504	832	2,342	2,766	1,538	2,372
3 or 4 workers ..... farms	261	312	1,101	1,027	510	882
workers	889	1,063	3,745	3,474	1,686	2,964
5 to 9 workers ..... farms	268	195	816	660	158	447
workers	1,728	1,220	5,181	4,225	974	2,753
10 workers or more ..... farms	235	207	518	531	66	275
workers	6,184	5,448	11,007	16,464	1,123	7,792
Less than 150 days ..... farms	1,738	3,848	6,790	9,521	6,164	11,700
workers	14,693	13,631	35,690	48,305	16,399	40,285
Farms with-						
1 worker ..... farms	536	1,641	2,040	3,180	3,065	4,497
workers	536	1,641	2,040	3,180	3,065	4,497
2 workers ..... farms	362	827	1,486	2,117	1,386	2,719
workers	724	1,654	2,972	4,234	2,772	5,438
3 or 4 workers ..... farms	337	753	1,393	1,833	1,028	2,518
workers	1,139	2,528	4,698	6,230	3,399	8,488
5 to 9 workers ..... farms	232	406	1,032	1,411	432	1,369
workers	1,407	2,465	6,480	8,936	2,624	8,421
10 workers or more ..... farms	271	221	839	980	253	597
workers	10,887	5,343	19,500	25,725	4,539	13,441
Reported only workers working 150 days or more ..... farms	677	925	2,483	2,763	1,717	2,357
workers	3,752	4,516	9,708	11,444	2,990	7,332
$1,000 payroll	66,321	92,643	188,471	198,891	43,406	119,562
Reported only workers working less than 150 days ..... farms	1,012	2,841	3,949	6,517	4,392	9,162
workers	3,630	6,912	13,699	21,904	8,822	24,744
$1,000 payroll	12,607	8,615	32,057	46,054	25,305	32,666
Reported both - workers working 150 days or more and workers working less than 150 days ..... farms	726	1,007	2,841	3,004	1,772	2,538
150 days or more, workers	5,940	4,849	14,285	17,651	4,317	10,654
less than 150 days, workers	11,063	6,719	21,991	26,401	7,577	15,541
$1,000 payroll	158,755	116,936	362,523	378,184	101,268	259,713
Migrant farm labor on farms with hired labor (see text) ..... farms	429	340	1,243	2,266	488	661
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	41	86	86	252	58	123

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Hired farm labor ....farms	16,826	10,300	11,722	324	4,310
workers	48,644	106,320	60,721	1,641	23,197
$1,000 payroll	255,062	817,277	590,891	16,165	173,196
Farms with-					
1 worker ....farms	6,776	2,591	3,818	83	1,454
workers	6,776	2,591	3,818	83	1,454
2 workers ....farms	4,470	1,971	2,471	78	1,034
workers	8,940	3,942	4,942	156	2,068
3 or 4 workers ....farms	3,551	2,086	2,426	58	908
workers	11,898	7,139	8,273	203	3,119
5 to 9 workers ....farms	1,580	1,697	1,843	55	571
workers	9,621	10,788	11,651	349	3,607
10 workers or more ....farms	449	1,955	1,164	50	343
workers	11,409	81,860	32,037	850	12,949
Workers by days worked:					
150 days or more ....farms	5,221	4,353	5,728	206	1,868
workers	14,318	28,384	24,498	784	9,280
Farms with-					
1 worker ....farms	2,811	1,461	2,320	63	761
workers	2,811	1,461	2,320	63	761
2 workers ....farms	1,320	936	1,290	53	448
workers	2,640	1,872	2,580	106	896
3 or 4 workers ....farms	740	792	1,132	46	349
workers	2,435	2,688	3,769	150	1,179
5 to 9 workers ....farms	225	629	615	24	195
workers	1,332	4,005	3,846	155	1,243
10 workers or more ....farms	125	535	371	20	115
workers	5,100	18,358	11,983	310	5,201
Less than 150 days ....farms	13,991	8,764	8,841	226	3,363
workers	34,326	77,936	36,223	857	13,917
Farms with-					
1 worker ....farms	6,076	2,402	3,257	71	1,295
workers	6,076	2,402	3,257	71	1,295
2 workers ....farms	3,792	1,744	1,940	56	817
workers	7,584	3,488	3,880	112	1,634
3 or 4 workers ....farms	2,769	1,820	1,805	47	705
workers	9,169	6,214	6,121	161	2,388
5 to 9 workers ....farms	1,073	1,323	1,138	32	352
workers	6,368	8,351	7,068	195	2,162
10 workers or more ....farms	281	1,475	701	20	194
workers	5,129	57,481	15,897	318	6,438
Reported only workers working 150 days or more ....farms	2,835	1,536	2,881	98	947
workers	7,288	5,733	9,966	352	4,066
$1,000 payroll	104,859	113,383	180,858	4,629	69,057
Reported only workers working less than 150 days ....farms	11,605	5,947	5,994	118	2,442
workers	26,423	25,855	17,913	320	6,172
$1,000 payroll	32,307	37,551	32,553	771	10,226
Reported both - workers working 150 days or more and workers working less than 150 days ....farms	2,386	2,817	2,847	108	921
150 days or more, workers	7,030	22,651	14,532	432	5,214
less than 150 days, workers	7,903	52,081	18,310	537	7,745
$1,000 payroll	117,896	666,343	377,479	10,765	93,913
Migrant farm labor on farms with hired labor (see text) ....farms	647	1,430	811	14	363
Migrant farm labor on farms reporting only contract labor (see text) ....farms	272	266	81	1	54

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Hired farm labor ..... farms	8,465	14,575	45,081	4,271	1,884
workers	24,678	45,716	154,793	19,748	8,343
$1,000 payroll	177,684	214,487	1,169,767	147,213	72,316
Farms with-					
1 worker ..... farms	3,481	5,614	17,948	1,269	565
workers	3,481	5,614	17,948	1,269	565
2 workers ..... farms	2,058	3,681	11,769	932	366
workers	4,116	7,362	23,538	1,864	732
3 or 4 workers ..... farms	1,629	2,933	8,744	1,010	413
workers	5,502	9,872	29,635	3,499	1,422
5 to 9 workers ..... farms	981	1,730	4,586	711	355
workers	6,057	10,659	28,502	4,424	2,295
10 workers or more ..... farms	316	617	2,034	349	185
workers	5,522	12,209	55,170	8,692	3,329
Workers by days worked:					
150 days or more ..... farms	3,515	3,722	17,450	1,754	998
workers	8,206	10,122	53,829	6,992	3,293
Farms with-					
1 worker ..... farms	1,831	1,862	9,714	651	342
workers	1,831	1,862	9,714	651	342
2 workers ..... farms	797	856	3,742	420	235
workers	1,594	1,712	7,484	840	470
3 or 4 workers ..... farms	561	624	2,241	388	245
workers	1,879	2,092	7,466	1,320	831
5 to 9 workers ..... farms	245	252	1,037	189	120
workers	1,482	1,515	6,420	1,171	748
10 workers or more ..... farms	81	128	716	106	56
workers	1,420	2,941	22,745	3,010	902
Less than 150 days ..... farms	6,603	12,690	35,453	3,503	1,412
workers	16,472	35,594	100,964	12,756	5,050
Farms with-					
1 worker ..... farms	3,052	5,244	15,792	1,221	515
workers	3,052	5,244	15,792	1,221	515
2 workers ..... farms	1,600	3,185	8,915	803	313
workers	3,200	6,370	17,830	1,606	626
3 or 4 workers ..... farms	1,207	2,537	6,566	813	289
workers	4,037	8,517	21,989	2,765	987
5 to 9 workers ..... farms	586	1,300	3,053	468	191
workers	3,534	7,951	18,780	2,847	1,203
10 workers or more ..... farms	158	424	1,127	198	104
workers	2,649	7,512	26,573	4,317	1,719
Reported only workers working 150 days or more ..... farms	1,862	1,885	9,628	768	472
workers	3,892	4,649	27,926	2,647	1,373
$1,000 payroll	62,233	72,738	518,673	37,442	26,177
Reported only workers working less than 150 days ..... farms	4,950	10,853	27,631	2,517	886
workers	11,077	27,407	65,748	7,410	2,559
$1,000 payroll	19,755	28,594	96,746	9,634	5,836
Reported both - workers working 150 days or more and workers working less than 150 days ..... farms	1,653	1,837	7,822	986	526
150 days or more, workers	4,314	5,473	25,903	4,345	1,920
less than 150 days, workers	5,395	8,187	35,216	5,346	2,491
$1,000 payroll	95,696	113,154	554,348	100,137	40,303
Migrant farm labor on farms with hired labor (see text) ..... farms	220	1,127	2,996	349	161
Migrant farm labor on farms reporting only contract labor (see text) ..... farms	1	195	1,010	61	17

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Table 7. **Hired Farm Labor - Workers and Payroll: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Hired farm labor ....farms	10,571	11,063	3,251	17,889	2,716
workers	39,484	238,428	9,738	76,452	9,826
$1,000 payroll	293,996	1,151,383	32,794	785,018	97,820
Farms with-					
1 worker ....farms	3,918	2,255	1,246	5,609	867
workers	3,918	2,255	1,246	5,609	867
2 workers ....farms	2,511	1,781	813	4,066	625
workers	5,022	3,562	1,626	8,132	1,250
3 or 4 workers ....farms	2,109	1,944	728	3,773	604
workers	7,149	6,710	2,438	12,842	2,036
5 to 9 workers ....farms	1,357	1,776	367	2,890	451
workers	8,519	11,390	2,264	18,265	2,871
10 workers or more ....farms	676	3,307	97	1,551	169
workers	14,876	214,511	2,164	31,604	2,802
Workers by days worked:					
150 days or more ....farms	4,038	5,445	777	9,445	1,627
workers	13,647	48,896	1,964	30,531	4,440
Farms with-					
1 worker ....farms	1,767	1,652	383	3,649	623
workers	1,767	1,652	383	3,649	623
2 workers ....farms	933	1,121	213	2,264	423
workers	1,866	2,242	426	4,528	846
3 or 4 workers ....farms	776	1,025	121	2,032	362
workers	2,620	3,465	398	6,866	1,211
5 to 9 workers ....farms	364	793	41	1,034	190
workers	2,314	4,987	267	6,376	1,227
10 workers or more ....farms	198	854	19	466	29
workers	5,080	36,550	490	9,112	533
Less than 150 days ....farms	8,394	9,451	2,848	13,169	1,907
workers	25,837	189,532	7,774	45,921	5,386
Farms with-					
1 worker ....farms	3,493	2,148	1,178	4,862	798
workers	3,493	2,148	1,178	4,862	798
2 workers ....farms	2,047	1,600	696	3,157	469
workers	4,094	3,200	1,392	6,314	938
3 or 4 workers ....farms	1,561	1,596	622	2,706	376
workers	5,248	5,457	2,076	9,123	1,271
5 to 9 workers ....farms	904	1,320	285	1,603	198
workers	5,558	8,402	1,758	9,935	1,261
10 workers or more ....farms	389	2,787	67	841	66
workers	7,444	170,325	1,370	15,687	1,118
Reported only workers working 150 days or more ....farms	2,177	1,612	403	4,720	809
workers	6,363	12,365	880	12,320	1,994
$1,000 payroll	110,899	171,593	10,028	215,474	33,112
Reported only workers working less than 150 days ....farms	6,533	5,618	2,474	8,444	1,089
workers	16,940	41,724	6,168	23,058	2,467
$1,000 payroll	23,449	59,900	4,401	35,312	6,394
Reported both - workers working 150 days or more and workers working less than 150 days ....farms	1,861	3,833	374	4,725	818
150 days or more, workers	7,284	36,531	1,084	18,211	2,446
less than 150 days, workers	8,897	147,808	1,606	22,863	2,919
$1,000 payroll	159,648	919,890	18,365	534,231	58,313
Migrant farm labor on farms with hired labor (see text) ....farms	940	2,410	85	636	257
Migrant farm labor on farms reporting only contract labor (see text) ....farms	122	116	8	70	60

Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
FARMS AND LAND IN FARMS						
Farms ..... number, 2007	2,204,792	48,753	686	15,637	49,346	81,033
2002	2,128,982	45,126	609	7,294	47,483	79,631
Land in farms ..... acres, 2007	922,095,840	9,033,537	881,585	26,117,899	13,872,862	25,364,695
2002	938,279,056	8,904,387	900,715	26,586,577	14,502,793	27,589,027
Average size of farm ..... acres, 2007	418	185	1,285	1,670	281	313
2002	441	197	1,479	3,645	305	346
Estimated market value of land and buildings ..... farms, 2007	2,204,792	48,753	686	15,637	49,346	81,033
2002	2,128,739	45,124	609	7,294	47,474	79,655
$1,000, 2007	1,744,295,252	20,704,133	344,607	19,545,145	32,505,792	162,533,390
2002	1,144,905,925	15,126,339	330,816	10,625,602	21,225,836	96,129,402
Average per farm ..... dollars, 2007	791,138	424,674	502,342	1,249,929	658,732	2,005,768
2002	537,833	335,217	543,213	1,456,759	447,104	1,206,822
Average per acre ..... dollars, 2007	1,892	2,292	391	748	2,343	6,408
2002	1,213	1,698	367	398	1,469	3,526
2007 farms by value group:						
$1 to $49,999	223,182	5,954	49	8,090	5,047	5,029
$50,000 to $99,999	212,783	6,413	54	807	5,872	3,759
$100,000 to $199,999	374,783	10,340	104	1,126	9,304	6,414
$200,000 to $499,999	631,939	14,769	273	2,101	13,660	17,710
$500,000 to $999,999	371,783	6,730	132	1,413	7,920	21,030
$1,000,000 to $1,999,999	206,282	3,077	55	809	4,229	11,981
$2,000,000 to $4,999,999	132,549	1,229	12	615	2,299	8,865
$5,000,000 to $9,999,999	36,072	199	6	259	805	3,291
$10,000,000 or more	15,419	42	1	417	210	2,954
Approximate land area ..... acres, 2007	2,260,994,361	32,412,281	366,013,154	72,696,492	33,287,812	99,689,515
Proportion in farms ..... percent, 2007	40.8	27.9	0.2	35.9	41.7	25.4
2007 size of farm:						
1 to 9 acres ..... farms	232,849	3,374	165	9,873	2,581	25,278
acres	1,080,019	17,368	603	25,464	13,375	100,816
10 to 49 acres ..... farms	620,283	16,215	164	2,657	15,119	28,080
acres	15,918,542	443,231	3,859	57,354	416,051	637,914
50 to 69 acres ..... farms	153,862	4,480	36	264	4,068	3,776
acres	8,930,361	259,199	2,121	15,026	235,384	217,567
70 to 99 acres ..... farms	192,043	5,319	41	383	5,049	3,678
acres	15,783,304	437,757	3,256	31,032	412,401	300,943
100 to 139 acres ..... farms	175,146	4,896	46	291	4,544	3,067
acres	20,313,722	566,433	5,462	33,952	526,197	353,529
140 to 179 acres ..... farms	139,479	3,113	33	283	3,255	2,418
acres	21,954,090	488,459	5,171	44,297	511,959	381,684
180 to 219 acres ..... farms	87,502	2,068	20	146	2,123	1,626
acres	17,283,570	408,585	3,925	29,100	418,315	321,033
220 to 259 acres ..... farms	68,313	1,492	18	100	1,690	1,305
acres	16,258,454	356,214	4,227	23,732	401,900	310,154
260 to 499 acres ..... farms	212,553	4,052	73	380	4,777	4,083
acres	75,892,077	1,426,089	26,041	135,873	1,694,363	1,461,559
500 to 999 acres ..... farms	149,713	2,235	38	436	2,959	3,267
acres	104,140,461	1,533,002	24,895	306,473	2,028,825	2,280,819
1,000 to 1,999 acres ..... farms	92,656	960	24	309	1,803	2,194
acres	127,595,277	1,297,715	31,078	446,604	2,499,817	2,999,788
2,000 acres or more ..... farms	80,393	549	28	515	1,378	2,261
acres	496,945,963	1,799,485	770,947	24,968,992	4,714,275	15,998,889
2002 size of farm:						
1 to 9 acres ..... farms	179,346	2,571	127	2,331	1,728	21,827
acres	847,601	13,305	489	8,718	8,802	86,392
10 to 49 acres ..... farms	563,772	14,175	129	1,900	11,222	27,307
acres	14,712,409	397,032	2,845	44,787	321,802	637,104
50 to 69 acres ..... farms	151,823	4,259	27	240	3,732	4,143
acres	8,802,045	246,955	1,554	13,626	215,892	238,771
70 to 99 acres ..... farms	190,728	5,063	32	321	5,156	4,044
acres	15,672,135	416,887	2,608	26,334	422,534	331,779
100 to 139 acres ..... farms	174,524	4,639	54	287	4,914	3,505
acres	20,237,716	535,792	6,161	32,485	569,078	402,344
140 to 179 acres ..... farms	141,630	2,989	49	266	3,495	2,664
acres	22,289,695	467,960	7,653	41,861	548,472	419,296
180 to 219 acres ..... farms	91,262	2,190	12	149	2,687	1,690
acres	18,033,867	431,314	2,372	29,471	529,444	333,502
220 to 259 acres ..... farms	71,842	1,551	19	112	1,927	1,459
acres	17,092,961	369,355	4,451	26,857	458,372	346,364
260 to 499 acres ..... farms	225,513	3,951	62	403	5,755	4,592
acres	80,620,413	1,380,623	21,919	146,441	2,035,247	1,652,825
500 to 999 acres ..... farms	161,552	2,237	41	447	3,526	3,604
acres	112,444,149	1,538,219	28,243	318,410	2,410,673	2,499,755
1,000 to 1,999 acres ..... farms	99,020	978	29	337	2,122	2,374
acres	135,675,665	1,308,990	35,005	468,829	2,891,902	3,251,019
2,000 acres or more ..... farms	77,970	523	28	501	1,219	2,422
acres	491,850,400	1,797,955	787,415	25,428,758	4,090,575	17,389,876
LAND IN FARMS ACCORDING TO USE						
Total cropland ..... farms, 2007	1,685,339	31,773	512	7,475	35,154	61,215
2002	1,751,450	34,073	479	4,440	36,908	61,810
acres, 2007	406,424,909	3,142,958	86,238	1,205,425	8,432,221	9,464,647
2002	434,164,946	3,732,751	98,131	1,261,894	9,576,047	10,994,161
Harvested cropland ..... farms, 2007	1,328,004	23,336	424	4,993	29,050	53,000
2002	1,362,608	23,327	393	3,139	29,466	54,115
acres, 2007	309,607,601	1,994,743	30,772	832,406	7,367,068	7,633,173
2002	302,697,252	1,995,139	31,824	887,966	7,457,599	8,466,321
Cropland used only for pasture or grazing ..... farms, 2007	404,753	10,126	94	1,431	8,790	10,890
2002	716,202	19,293	134	1,584	18,658	10,589
acres, 2007	35,771,154	626,995	7,114	(D)	724,044	800,204
2002	60,557,805	1,180,991	8,917	213,681	1,705,723	1,345,359

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
FARMS AND LAND IN FARMS						
Farms ..... number, 2007	37,054	4,916	2,546	47,463	47,846	7,521
2002	31,369	4,191	2,391	44,081	49,311	5,398
Land in farms ..... acres, 2007	31,604,911	405,616	510,253	9,231,570	10,150,539	1,121,329
2002	31,093,336	357,154	540,080	10,414,877	10,744,239	1,300,499
Average size of farm ..... acres, 2007	853	83	200	195	212	149
2002	991	85	226	236	218	241
Estimated market value of land and buildings ..... farms, 2007	37,054	4,916	2,546	47,463	47,846	7,521
2002	31,358	4,205	2,391	44,081	49,304	5,438
$1,000, 2007	33,058,456	5,137,872	5,279,399	52,053,543	31,635,808	8,620,668
2002	23,757,228	3,533,470	2,343,953	29,330,433	22,552,975	4,583,552
Average per farm ..... dollars, 2007	892,170	1,045,133	2,073,605	1,096,718	661,201	1,146,213
2002	757,613	840,302	980,323	665,376	457,427	842,875
Average per acre ..... dollars, 2007	1,046	12,667	10,347	5,639	3,117	7,688
2002	756	9,491	4,054	2,836	2,112	3,507
2007 farms by value group:						
$1 to $49,999	4,070	276	158	3,156	4,181	621
$50,000 to $99,999	2,624	222	144	3,644	4,377	381
$100,000 to $199,999	4,221	377	228	6,994	8,234	913
$200,000 to $499,999	10,587	1,511	583	14,602	14,984	1,934
$500,000 to $999,999	7,428	1,256	589	9,763	8,601	2,317
$1,000,000 to $1,999,999	4,358	738	377	4,544	4,422	780
$2,000,000 to $4,999,999	2,727	403	232	3,186	2,383	362
$5,000,000 to $9,999,999	801	81	106	833	473	96
$10,000,000 or more	238	52	129	741	191	117
Approximate land area ..... acres, 2007	66,327,849	3,100,721	1,249,176	34,313,428	36,798,743	4,110,586
Proportion in farms ..... percent, 2007	47.6	13.1	40.8	26.9	27.6	27.3
2007 size of farm:						
1 to 9 acres ..... farms	4,276	1,232	651	12,184	3,504	4,813
acres	20,120	5,712	2,549	56,909	18,271	17,330
10 to 49 acres ..... farms	9,359	1,894	802	20,680	16,243	1,972
acres	262,041	45,203	18,684	444,758	431,191	39,725
50 to 69 acres ..... farms	1,631	403	154	2,546	4,568	156
acres	94,680	23,282	8,952	146,086	263,461	8,849
70 to 99 acres ..... farms	2,717	319	177	2,422	4,347	110
acres	217,999	26,434	14,721	197,727	358,966	9,216
100 to 139 acres ..... farms	1,783	364	158	2,129	4,503	94
acres	206,709	41,496	17,979	245,375	521,254	10,410
140 to 179 acres ..... farms	2,345	201	79	1,446	2,826	63
acres	370,059	31,426	12,297	227,084	443,788	9,748
180 to 219 acres ..... farms	986	144	63	923	2,059	35
acres	195,269	28,152	12,419	182,959	406,344	6,780
220 to 259 acres ..... farms	826	58	41	645	1,377	17
acres	196,921	13,699	9,780	153,623	328,608	4,055
260 to 499 acres ..... farms	3,689	198	176	1,893	3,996	102
acres	1,331,348	67,447	64,313	677,051	1,415,853	34,313
500 to 999 acres ..... farms	3,185	63	99	1,225	2,470	44
acres	2,272,531	40,546	69,192	833,620	1,686,205	29,813
1,000 to 1,999 acres ..... farms	2,521	30	99	653	1,253	50
acres	3,552,054	39,470	131,204	872,604	1,704,301	71,132
2,000 acres or more ..... farms	3,736	10	47	717	700	65
acres	22,885,180	42,749	148,163	5,193,774	2,572,297	879,958
2002 size of farm:						
1 to 9 acres ..... farms	2,813	984	456	10,267	3,569	3,440
acres	13,037	4,695	2,176	45,809	18,137	12,110
10 to 49 acres ..... farms	7,475	1,625	794	18,360	15,759	1,309
acres	205,925	39,380	18,230	412,934	419,957	26,972
50 to 69 acres ..... farms	1,300	324	164	2,643	5,000	130
acres	74,831	18,814	9,384	151,874	287,551	7,363
70 to 99 acres ..... farms	2,157	292	164	2,463	4,540	81
acres	173,804	23,944	13,577	201,537	375,142	6,670
100 to 139 acres ..... farms	1,460	294	150	2,214	4,651	82
acres	168,610	34,078	17,674	254,585	536,129	9,291
140 to 179 acres ..... farms	2,039	167	84	1,456	2,969	42
acres	321,856	25,796	13,065	228,610	464,850	6,655
180 to 219 acres ..... farms	951	118	70	979	2,212	34
acres	188,014	23,363	13,826	193,352	436,550	6,724
220 to 259 acres ..... farms	804	65	53	661	1,529	19
acres	191,663	15,540	12,629	157,857	363,699	4,447
260 to 499 acres ..... farms	3,260	204	193	2,044	4,221	93
acres	1,175,356	71,677	68,653	726,097	1,485,866	31,740
500 to 999 acres ..... farms	2,998	91	122	1,330	2,735	61
acres	2,139,843	59,768	82,751	915,050	1,872,638	40,307
1,000 to 1,999 acres ..... farms	2,492	23	89	822	1,394	41
acres	3,490,542	30,316	120,683	1,099,567	1,890,213	56,159
2,000 acres or more ..... farms	3,620	4	52	842	732	66
acres	22,949,855	9,783	167,432	6,027,605	2,593,507	1,092,061
LAND IN FARMS ACCORDING TO USE						
Total cropland ..... farms, 2007	24,938	3,884	1,989	26,555	31,924	6,281
2002	22,240	3,395	1,826	27,348	34,660	4,755
acres, 2007	11,483,936	163,686	432,773	2,953,340	4,478,168	177,626
2002	11,530,700	170,673	457,201	3,715,257	4,676,567	211,120
Harvested cropland ..... farms, 2007	17,899	3,517	1,615	20,486	23,179	6,044
2002	14,655	3,000	1,548	20,495	24,424	4,522
acres, 2007	5,888,926	136,833	409,468	2,112,129	3,390,437	103,120
2002	4,346,955	131,248	433,105	2,313,537	3,245,784	109,461
Cropland used only for pasture or grazing ..... farms, 2007	5,970	836	432	7,331	9,826	366
2002	8,534	1,302	510	9,940	17,534	451
acres, 2007	1,242,231	12,514	8,842	571,490	587,428	23,493
2002	1,797,455	23,431	6,851	1,104,890	866,553	36,540

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
FARMS AND LAND IN FARMS						
Farms ..... number, 2007	25,349	76,860	60,938	92,856	65,531	85,260
2002	25,017	73,027	60,296	90,655	64,414	86,541
Land in farms ..... acres, 2007	11,497,383	26,775,100	14,773,184	30,747,550	46,345,827	13,993,121
2002	11,767,294	27,310,833	15,058,670	31,729,490	47,227,944	13,843,706
Average size of farm ..... acres, 2007	454	348	242	331	707	164
2002	470	374	250	350	733	160
Estimated market value of land and buildings ..... farms, 2007	25,349	76,860	60,938	92,856	65,531	85,260
2002	25,016	73,000	60,286	90,648	64,390	86,591
$1,000, 2007	22,674,602	101,538,246	52,936,772	104,186,583	42,204,526	37,532,557
2002	15,342,391	66,667,341	38,441,073	64,154,298	32,581,256	25,462,631
Average per farm ..... dollars, 2007	894,497	1,321,080	868,699	1,122,023	644,039	440,213
2002	613,303	913,251	637,645	707,730	505,999	294,056
Average per acre ..... dollars, 2007	1,972	3,792	3,583	3,388	911	2,682
2002	1,270	2,425	2,567	2,005	687	1,824
2007 farms by value group:						
$1 to $49,999	2,615	11,937	7,511	8,802	8,347	9,211
$50,000 to $99,999	1,960	7,248	6,517	7,606	7,769	12,278
$100,000 to $199,999	4,194	11,064	12,159	12,663	12,159	19,331
$200,000 to $499,999	7,581	14,775	15,904	20,519	16,959	25,883
$500,000 to $999,999	4,125	9,278	7,845	14,779	9,220	10,982
$1,000,000 to $1,999,999	2,448	7,907	4,735	12,965	6,115	5,010
$2,000,000 to $4,999,999	1,679	9,311	3,951	11,541	4,082	1,902
$5,000,000 to $9,999,999	490	3,846	1,671	3,223	704	490
$10,000,000 or more	257	1,494	645	758	176	173
Approximate land area ..... acres, 2007	52,894,974	35,529,619	22,924,685	35,747,594	52,320,102	25,275,577
Proportion in farms ..... percent, 2007	21.7	75.4	64.4	86.0	88.6	55.4
2007 size of farm:						
1 to 9 acres ..... farms	4,891	8,603	9,720	8,709	2,123	4,579
acres	23,427	44,319	48,215	39,686	10,148	23,611
10 to 49 acres ..... farms	7,497	20,592	19,533	17,824	10,041	25,235
acres	178,295	488,403	472,974	456,783	279,339	677,845
50 to 69 acres ..... farms	1,183	3,938	4,052	4,428	2,772	8,818
acres	68,584	229,129	236,502	258,754	161,851	510,060
70 to 99 acres ..... farms	1,542	5,849	4,915	7,253	6,170	9,825
acres	125,888	479,801	404,523	592,231	500,897	814,601
100 to 139 acres ..... farms	1,298	4,760	4,300	6,280	3,819	10,346
acres	150,461	554,339	499,618	736,483	447,018	1,196,821
140 to 179 acres ..... farms	1,202	3,863	2,726	6,731	6,231	6,390
acres	189,647	606,413	427,924	1,059,126	984,002	1,001,132
180 to 219 acres ..... farms	743	2,629	1,878	4,364	2,324	4,610
acres	147,013	519,269	371,537	861,308	457,748	911,182
220 to 259 acres ..... farms	619	2,211	1,427	3,943	2,630	3,142
acres	146,784	526,332	339,385	937,864	626,220	749,700
260 to 499 acres ..... farms	2,083	8,276	4,707	14,047	9,154	7,328
acres	746,082	3,008,494	1,689,204	5,104,492	3,323,229	2,548,585
500 to 999 acres ..... farms	1,808	8,309	3,774	11,826	7,932	3,242
acres	1,264,754	5,880,719	2,662,513	8,248,050	5,654,900	2,158,863
1,000 to 1,999 acres ..... farms	1,214	5,520	2,621	5,898	6,238	1,207
acres	1,679,122	7,512,648	3,623,024	7,866,091	8,769,146	1,597,921
2,000 acres or more ..... farms	1,269	2,310	1,285	1,553	6,097	538
acres	6,777,326	6,925,234	3,997,765	4,586,682	25,131,329	1,802,800
2002 size of farm:						
1 to 9 acres ..... farms	4,871	3,510	5,436	4,811	1,578	5,342
acres	22,854	17,869	28,074	25,779	7,662	25,436
10 to 49 acres ..... farms	7,439	16,162	18,595	16,278	9,611	24,758
acres	172,833	430,285	477,843	414,842	270,431	676,004
50 to 69 acres ..... farms	1,134	4,242	4,622	3,843	2,708	9,339
acres	65,241	247,070	269,226	224,086	158,495	542,031
70 to 99 acres ..... farms	1,490	6,046	6,008	6,821	5,528	10,274
acres	120,690	495,828	493,676	556,342	449,438	851,689
100 to 139 acres ..... farms	1,194	5,227	4,862	6,300	3,529	10,507
acres	138,281	611,366	565,225	736,158	409,999	1,214,322
140 to 179 acres ..... farms	1,099	4,476	3,199	7,286	5,535	6,508
acres	172,869	704,448	501,786	1,147,324	875,593	1,020,380
180 to 219 acres ..... farms	747	3,179	2,139	4,621	2,168	4,449
acres	147,319	628,107	422,241	913,565	428,699	879,602
220 to 259 acres ..... farms	576	2,700	1,681	4,506	2,492	3,020
acres	137,080	642,680	400,421	1,071,679	592,628	719,863
260 to 499 acres ..... farms	1,956	9,983	5,443	15,592	8,972	7,481
acres	702,800	3,638,212	1,959,795	5,665,052	3,281,186	2,599,904
500 to 999 acres ..... farms	1,873	9,847	4,494	13,063	8,641	3,175
acres	1,313,479	6,957,318	3,134,785	9,083,537	6,191,018	2,131,414
1,000 to 1,999 acres ..... farms	1,346	5,896	2,827	6,213	7,371	1,214
acres	1,872,820	7,925,609	3,861,665	8,189,394	10,324,931	1,615,450
2,000 acres or more ..... farms	1,292	1,759	990	1,321	6,281	474
acres	6,901,028	5,012,041	2,943,933	3,701,732	24,237,864	1,567,611
LAND IN FARMS ACCORDING TO USE						
Total cropland ..... farms, 2007	18,782	67,431	51,283	82,785	55,272	72,015
2002	18,366	68,750	53,725	84,755	56,703	80,927
acres, 2007	5,918,899	23,707,699	12,716,037	26,316,332	28,216,064	7,278,098
2002	6,152,611	24,171,260	12,909,002	27,153,291	29,542,022	8,412,354
Harvested cropland ..... farms, 2007	13,975	54,185	41,743	63,672	43,553	57,528
2002	13,444	56,083	44,298	67,338	44,073	65,815
acres, 2007	4,225,786	22,611,443	12,108,940	23,799,380	19,886,655	5,057,883
2002	4,313,288	22,562,904	11,937,370	23,994,343	18,976,719	4,978,994
Cropland used only for pasture or grazing ..... farms, 2007	5,676	9,113	10,331	13,522	8,362	24,187
2002	8,733	13,650	18,279	20,676	13,750	46,364
acres, 2007	489,260	308,259	282,017	829,784	1,274,320	1,473,676
2002	743,835	528,275	448,588	1,355,161	2,401,459	2,580,719

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
FARMS AND LAND IN FARMS						
Farms ..... number, 2007	30,106	8,136	12,834	7,691	56,014	80,992
2002	27,413	7,196	12,198	6,075	53,315	80,839
Land in farms ..... acres, 2007	8,109,975	1,347,566	2,051,756	517,879	10,031,807	26,917,962
2002	7,830,664	1,369,768	2,077,630	518,570	10,142,958	27,512,270
Average size of farm ..... acres, 2007	269	166	160	67	179	332
2002	286	190	170	85	190	340
Estimated market value of land and buildings ..... farms, 2007	30,106	8,136	12,834	7,691	56,014	80,992
2002	27,394	7,121	12,179	6,077	53,296	80,785
$1,000, 2007	16,686,859	2,968,067	14,432,211	6,376,531	34,199,659	69,164,551
2002	12,163,119	2,297,877	8,452,963	4,589,677	27,143,604	41,776,544
Average per farm ..... dollars, 2007	554,270	364,807	1,124,529	829,090	610,556	853,968
2002	444,007	322,690	694,061	755,254	509,299	517,132
Average per acre ..... dollars, 2007	2,058	2,203	7,034	12,313	3,409	2,569
2002	1,534	1,637	4,084	9,234	2,667	1,513
2007 farms by value group:						
$1 to $49,999	4,762	970	552	537	4,818	5,427
$50,000 to $99,999	4,348	864	601	372	5,737	5,928
$100,000 to $199,999	5,937	1,648	1,121	675	11,336	11,470
$200,000 to $499,999	7,738	3,050	3,405	2,237	18,991	25,389
$500,000 to $999,999	3,521	1,057	3,180	2,068	7,798	15,084
$1,000,000 to $1,999,999	2,009	420	2,142	1,082	4,057	9,164
$2,000,000 to $4,999,999	1,374	110	1,346	606	2,458	6,660
$5,000,000 to $9,999,999	325	9	372	85	568	1,505
$10,000,000 or more	92	8	115	29	251	365
Approximate land area ..... acres, 2007	27,668,285	19,745,809	6,251,090	4,992,934	36,176,779	50,906,881
Proportion in farms ..... percent, 2007	29.3	6.8	32.8	10.4	27.7	52.9
2007 size of farm:						
1 to 9 acres ..... farms	3,282	1,046	1,554	2,199	4,219	3,687
acres	16,707	4,304	7,667	(D)	21,026	18,838
10 to 49 acres ..... farms	10,394	2,383	4,589	2,885	20,726	16,927
acres	268,376	61,782	115,477	68,928	558,422	465,583
50 to 69 acres ..... farms	2,365	734	1,176	545	4,889	4,570
acres	136,632	42,415	68,057	31,773	284,748	266,586
70 to 99 acres ..... farms	2,307	852	1,074	561	6,772	7,577
acres	189,089	69,912	88,764	46,327	550,798	617,303
100 to 139 acres ..... farms	2,230	942	1,116	525	4,607	6,556
acres	255,998	107,726	128,925	60,717	534,164	765,566
140 to 179 acres ..... farms	1,555	491	701	272	2,938	6,976
acres	244,920	76,934	110,737	42,548	460,022	1,099,482
180 to 219 acres ..... farms	1,180	318	482	212	1,994	4,155
acres	232,769	62,856	95,458	41,458	392,840	820,811
220 to 259 acres ..... farms	881	239	362	127	1,386	3,813
acres	209,407	57,091	86,114	30,251	329,719	906,523
260 to 499 acres ..... farms	2,489	621	875	247	3,895	12,220
acres	871,082	219,665	306,247	85,653	1,378,106	4,389,498
500 to 999 acres ..... farms	1,501	330	539	90	2,619	8,323
acres	1,028,969	222,660	369,302	57,127	1,812,327	5,783,926
1,000 to 1,999 acres ..... farms	1,103	131	255	24	1,424	4,264
acres	1,519,788	174,762	340,876	32,389	1,899,837	5,809,990
2,000 acres or more ..... farms	819	49	111	4	545	1,924
acres	3,136,238	247,459	334,132	(D)	1,809,798	5,973,856
2002 size of farm:						
1 to 9 acres ..... farms	2,526	918	1,418	1,429	3,235	3,591
acres	12,369	4,017	7,104	(D)	15,635	17,821
10 to 49 acres ..... farms	8,766	1,861	4,412	2,217	18,663	16,546
acres	229,807	47,680	108,191	52,542	506,880	439,459
50 to 69 acres ..... farms	2,164	580	961	504	4,425	4,089
acres	125,148	33,122	55,762	29,170	257,982	237,780
70 to 99 acres ..... farms	2,349	680	985	432	6,444	6,983
acres	192,254	56,102	81,757	35,673	523,738	567,587
100 to 139 acres ..... farms	2,209	730	977	466	4,573	5,999
acres	253,637	83,767	112,733	53,110	531,314	701,897
140 to 179 acres ..... farms	1,378	516	660	271	3,163	6,884
acres	216,090	80,746	104,408	42,356	497,561	1,085,056
180 to 219 acres ..... farms	1,123	352	482	185	2,084	4,350
acres	222,018	69,620	95,525	36,509	411,090	858,841
220 to 259 acres ..... farms	823	283	365	113	1,618	3,992
acres	195,810	67,701	87,082	27,050	383,752	947,306
260 to 499 acres ..... farms	2,256	699	989	296	4,291	13,030
acres	801,012	246,195	347,703	103,172	1,525,932	4,694,069
500 to 999 acres ..... farms	1,828	393	562	129	2,856	8,986
acres	1,267,613	266,787	381,976	82,074	1,981,384	6,251,102
1,000 to 1,999 acres ..... farms	1,253	135	277	30	1,468	4,554
acres	1,695,768	177,615	371,534	40,930	1,968,565	6,185,579
2,000 acres or more ..... farms	738	49	110	3	495	1,835
acres	2,619,138	236,416	323,855	(D)	1,539,125	5,525,773
LAND IN FARMS ACCORDING TO USE						
Total cropland ..... farms, 2007	19,866	6,557	10,235	5,508	48,592	71,970
2002	20,368	5,929	10,188	4,898	47,904	73,458
acres, 2007	4,691,344	529,253	1,405,442	187,406	7,803,643	21,948,603
2002	5,071,537	536,839	1,487,218	207,734	7,983,574	22,729,158
Harvested cropland ..... farms, 2007	13,783	5,189	8,278	4,792	37,868	53,943
2002	14,017	4,869	8,335	4,210	38,244	57,323
acres, 2007	3,342,048	393,738	1,246,603	153,993	6,859,081	19,267,018
2002	3,332,146	394,121	1,282,004	159,253	6,827,903	19,398,309
Cropland used only for pasture or grazing ..... farms, 2007	6,203	1,358	2,371	1,184	10,274	12,077
2002	9,988	2,187	3,990	1,748	16,190	17,418
acres, 2007	635,317	37,019	(D)	16,219	309,101	725,403
2002	841,621	47,862	107,463	29,858	409,296	728,593

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
FARMS AND LAND IN FARMS						
Farms ..... number, 2007	41,959	107,825	29,524	47,712	3,131	4,166
2002	42,186	106,797	27,870	49,355	2,989	3,363
Land in farms ..... acres, 2007	11,456,241	29,026,573	61,388,462	45,480,358	5,865,392	471,911
2002	11,097,543	29,946,035	59,612,403	45,903,116	6,330,622	444,879
Average size of farm ..... acres, 2007	273	269	2,079	953	1,873	113
2002	263	280	2,139	930	2,118	132
Estimated market value of land and buildings ..... farms, 2007	41,959	107,825	29,524	47,712	3,131	4,166
2002	42,175	106,749	27,873	49,356	2,988	3,378
$1,000, 2007	21,418,146	63,237,014	47,567,755	52,692,729	3,596,558	2,326,230
2002	15,633,797	45,298,629	23,280,911	35,726,993	2,849,414	1,354,386
Average per farm ..... dollars, 2007	510,454	586,478	1,611,155	1,104,392	1,148,693	558,385
2002	370,689	424,347	835,250	723,863	953,619	400,943
Average per acre ..... dollars, 2007	1,870	2,179	775	1,159	613	4,929
2002	1,381	1,508	386	776	446	3,131
2007 farms by value group:						
$1 to $49,999	5,656	7,889	3,059	4,552	278	290
$50,000 to $99,999	5,728	11,206	1,917	4,020	255	206
$100,000 to $199,999	8,412	22,016	3,155	6,455	394	483
$200,000 to $499,999	11,742	34,438	6,936	10,233	878	1,802
$500,000 to $999,999	6,039	17,342	5,197	7,167	698	886
$1,000,000 to $1,999,999	2,586	8,700	3,901	7,190	318	322
$2,000,000 to $4,999,999	1,281	5,106	3,285	6,467	223	153
$5,000,000 to $9,999,999	359	877	1,172	1,337	43	21
$10,000,000 or more	156	251	902	291	44	3
Approximate land area ..... acres, 2007	30,012,193	43,974,665	93,134,579	49,168,368	70,252,997	5,729,316
Proportion in farms ..... percent, 2007	38.2	66.0	65.9	92.5	8.3	8.2
2007 size of farm:						
1 to 9 acres ..... farms	2,056	3,868	1,917	2,270	631	754
acres	10,062	20,683	7,926	10,538	2,444	3,336
10 to 49 acres ..... farms	10,234	25,186	5,462	6,581	898	1,405
acres	293,980	715,590	136,566	167,006	21,636	35,090
50 to 69 acres ..... farms	3,656	7,573	944	1,456	151	363
acres	213,367	441,329	54,734	84,379	8,601	20,992
70 to 99 acres ..... farms	4,537	12,287	1,170	2,825	159	357
acres	374,951	1,006,179	95,713	229,180	12,955	29,640
100 to 139 acres ..... farms	4,882	11,494	1,184	2,232	141	351
acres	566,942	1,338,562	137,945	260,923	15,764	40,121
140 to 179 acres ..... farms	3,444	8,892	1,673	3,591	120	233
acres	542,269	1,394,772	264,227	566,909	19,052	36,681
180 to 219 acres ..... farms	2,433	6,105	853	1,507	100	169
acres	481,542	1,203,968	168,087	298,221	19,830	33,401
220 to 259 acres ..... farms	1,732	4,733	643	1,576	64	96
acres	411,969	1,124,887	153,471	375,718	15,099	22,765
260 to 499 acres ..... farms	4,458	13,699	2,968	6,755	203	281
acres	1,568,828	4,859,001	1,068,160	2,486,990	73,620	96,114
500 to 999 acres ..... farms	2,283	8,180	2,919	7,717	217	119
acres	1,556,189	5,615,557	2,083,004	5,515,550	145,685	77,600
1,000 to 1,999 acres ..... farms	1,243	3,887	2,935	5,965	151	26
acres	1,708,456	5,278,212	4,196,641	8,254,188	208,222	35,112
2,000 acres or more ..... farms	1,001	1,921	6,856	5,237	296	12
acres	3,727,686	6,027,833	53,021,988	27,230,756	5,322,484	41,059
2002 size of farm:						
1 to 9 acres ..... farms	1,807	3,057	1,484	1,656	579	507
acres	8,727	15,785	6,534	7,708	2,147	2,268
10 to 49 acres ..... farms	10,834	21,639	5,005	5,664	817	1,035
acres	309,379	632,691	125,871	149,724	21,312	24,869
50 to 69 acres ..... farms	4,115	6,999	975	1,483	117	340
acres	237,636	407,780	56,583	86,124	6,650	19,750
70 to 99 acres ..... farms	4,869	12,106	1,119	2,732	150	283
acres	401,000	991,130	90,657	221,213	12,268	23,557
100 to 139 acres ..... farms	4,889	11,364	1,135	2,247	125	282
acres	566,026	1,325,174	131,064	262,433	14,495	32,614
140 to 179 acres ..... farms	3,423	9,209	1,268	3,718	119	233
acres	538,366	1,448,004	199,807	587,459	18,761	36,542
180 to 219 acres ..... farms	2,190	6,524	750	1,647	82	150
acres	432,239	1,287,011	147,638	326,043	16,062	29,680
220 to 259 acres ..... farms	1,605	5,293	624	1,742	70	93
acres	381,983	1,256,052	148,443	414,649	16,547	22,326
260 to 499 acres ..... farms	4,257	15,679	2,590	7,921	207	266
acres	1,489,075	5,565,024	938,633	2,931,251	72,380	93,001
500 to 999 acres ..... farms	2,105	9,163	2,770	9,049	214	134
acres	1,432,706	6,284,165	1,988,406	6,443,140	144,562	86,246
1,000 to 1,999 acres ..... farms	1,124	4,079	3,034	6,632	170	22
acres	1,556,008	5,513,691	4,345,573	9,090,967	230,672	28,890
2,000 acres or more ..... farms	968	1,685	7,116	4,864	339	18
acres	3,744,398	5,219,528	51,433,194	25,382,405	5,774,766	45,136
LAND IN FARMS ACCORDING TO USE						
Total cropland ..... farms, 2007	27,349	86,299	21,809	40,798	2,060	2,929
2002	29,021	89,662	21,854	43,722	2,001	2,505
acres, 2007	5,530,825	16,405,595	18,241,710	21,486,025	753,718	128,938
2002	5,822,786	18,884,920	18,315,514	22,520,874	940,295	129,388
Harvested cropland ..... farms, 2007	18,773	69,585	16,441	34,715	1,572	2,494
2002	19,405	71,698	16,543	37,143	1,521	2,043
acres, 2007	4,223,708	12,980,113	9,163,867	18,169,876	504,311	99,520
2002	4,139,341	13,137,184	8,742,111	17,336,624	549,076	95,983
Cropland used only for pasture or grazing ..... farms, 2007	8,109	21,757	5,093	6,045	626	734
2002	13,352	44,338	7,702	10,047	994	1,129
acres, 2007	741,307	1,858,684	1,677,851	891,810	185,465	17,435
2002	896,978	4,178,574	1,726,012	1,881,599	314,430	19,911

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
FARMS AND LAND IN FARMS						
Farms ..... number, 2007	10,327	20,930	36,352	52,913	31,970	75,861
2002	9,924	15,170	37,255	53,930	30,619	77,797
Land in farms ..... acres, 2007	733,450	43,238,049	7,174,743	8,474,671	39,674,586	13,956,563
2002	805,682	44,810,083	7,660,969	9,079,001	39,294,879	14,583,435
Average size of farm ..... acres, 2007	71	2,066	197	160	1,241	184
2002	81	2,954	206	168	1,283	187
Estimated market value of land and buildings ..... farms, 2007	10,327	20,930	36,352	52,913	31,970	75,861
2002	9,920	15,211	37,252	53,935	30,580	77,788
$1,000, 2007	11,255,226	14,568,969	16,322,415	34,715,171	30,596,974	49,243,626
2002	7,358,731	10,631,082	12,870,727	27,977,090	15,823,558	39,617,975
Average per farm ..... dollars, 2007	1,089,883	696,081	449,010	656,080	957,053	649,130
2002	741,808	698,908	345,504	518,719	517,448	509,307
Average per acre ..... dollars, 2007	15,346	337	2,275	4,096	771	3,528
2002	9,245	234	1,708	3,088	404	2,732
2007 farms by value group:						
$1 to $49,999	633	5,751	3,312	4,637	3,399	6,513
$50,000 to $99,999	461	1,923	4,314	4,899	3,450	6,976
$100,000 to $199,999	824	2,716	8,658	9,731	4,850	15,312
$200,000 to $499,999	2,870	4,616	11,950	16,416	6,970	25,049
$500,000 to $999,999	2,905	2,738	4,972	9,011	4,628	10,725
$1,000,000 to $1,999,999	1,543	1,557	1,921	4,819	4,267	5,877
$2,000,000 to $4,999,999	744	1,172	962	2,578	3,350	4,129
$5,000,000 to $9,999,999	221	342	187	604	968	1,015
$10,000,000 or more	126	115	76	218	88	265
Approximate land area ..... acres, 2007	4,707,863	77,629,852	30,162,489	31,113,828	44,161,773	26,149,825
Proportion in farms ..... percent, 2007	15.6	55.7	23.8	27.2	89.8	53.4
2007 size of farm:						
1 to 9 acres ..... farms	2,950	6,471	2,914	5,001	387	7,767
acres	18,298	22,078	13,348	24,548	1,527	39,160
10 to 49 acres ..... farms	4,814	4,405	8,799	20,772	2,268	24,361
acres	101,545	97,168	236,585	540,463	65,730	631,478
50 to 69 acres ..... farms	577	636	3,230	5,536	769	6,555
acres	33,131	36,945	187,620	321,748	44,384	382,090
70 to 99 acres ..... farms	467	770	3,684	5,360	1,368	8,065
acres	38,564	63,195	307,126	442,485	111,888	667,494
100 to 139 acres ..... farms	402	731	4,158	4,408	1,312	6,744
acres	46,488	84,391	484,709	508,614	153,320	783,518
140 to 179 acres ..... farms	229	935	2,775	2,526	2,619	4,445
acres	35,920	148,271	438,674	395,849	414,180	699,048
180 to 219 acres ..... farms	149	393	2,061	1,710	955	3,025
acres	29,403	77,125	408,853	337,358	189,146	596,625
220 to 259 acres ..... farms	123	350	1,537	1,089	1,009	2,106
acres	29,443	83,379	364,771	259,243	240,110	501,548
260 to 499 acres ..... farms	317	1,398	4,141	2,987	4,746	6,059
acres	111,770	505,068	1,462,961	1,048,650	1,742,271	2,166,767
500 to 999 acres ..... farms	191	1,286	2,014	1,862	4,687	4,020
acres	128,338	907,365	1,351,552	1,268,484	3,381,942	2,756,939
1,000 to 1,999 acres ..... farms	91	1,092	760	1,108	5,369	2,062
acres	119,248	1,534,242	1,003,538	1,487,974	7,701,911	2,784,874
2,000 acres or more ..... farms	17	2,463	279	554	6,481	652
acres	41,302	39,678,822	915,006	1,839,255	25,628,177	1,947,022
2002 size of farm:						
1 to 9 acres ..... farms	2,511	3,586	2,959	4,405	277	7,471
acres	15,494	15,388	13,246	21,147	1,183	36,872
10 to 49 acres ..... farms	4,481	3,195	8,359	20,207	1,763	23,261
acres	95,198	72,544	219,784	541,781	51,313	605,295
50 to 69 acres ..... farms	691	548	3,102	5,930	743	6,503
acres	39,884	31,448	179,391	344,994	42,799	379,502
70 to 99 acres ..... farms	544	648	3,415	5,655	1,088	8,419
acres	44,825	52,757	285,111	465,676	88,754	698,107
100 to 139 acres ..... farms	453	530	4,109	4,614	1,114	7,501
acres	52,449	61,083	477,598	532,108	129,942	872,517
140 to 179 acres ..... farms	271	591	2,848	2,812	2,259	5,004
acres	42,760	93,379	448,086	440,225	356,408	786,707
180 to 219 acres ..... farms	165	312	2,308	1,797	837	3,441
acres	32,810	61,245	457,302	355,068	165,893	680,566
220 to 259 acres ..... farms	108	273	1,591	1,258	847	2,365
acres	25,684	65,180	378,336	299,319	201,694	562,857
260 to 499 acres ..... farms	356	1,121	5,078	3,343	4,294	6,809
acres	125,658	403,317	1,812,617	1,179,746	1,588,473	2,420,318
500 to 999 acres ..... farms	228	1,006	2,457	2,146	4,919	4,309
acres	157,504	709,513	1,633,303	1,471,615	3,589,261	2,967,746
1,000 to 1,999 acres ..... farms	99	927	812	1,212	5,994	2,107
acres	130,792	1,291,857	1,065,724	1,647,895	8,596,327	2,826,809
2,000 acres or more ..... farms	17	2,433	217	551	6,484	607
acres	42,624	41,952,372	690,471	1,779,427	24,482,832	1,746,139
LAND IN FARMS ACCORDING TO USE						
Total cropland ..... farms, 2007	8,138	13,191	31,083	39,879	29,378	64,775
2002	8,342	10,855	33,351	45,268	28,502	69,620
acres, 2007	488,697	2,334,018	4,314,954	4,895,204	27,527,180	10,832,772
2002	547,668	2,575,107	4,841,367	5,472,128	26,506,477	11,424,499
Harvested cropland ..... farms, 2007	7,180	9,311	26,814	32,803	20,408	54,790
2002	7,230	7,204	29,162	36,622	20,789	58,577
acres, 2007	415,542	1,009,683	3,651,278	4,188,658	22,035,717	9,991,007
2002	444,670	856,166	3,846,368	4,308,209	19,908,697	10,041,416
Cropland used only for pasture or grazing ..... farms, 2007	1,808	3,447	7,768	9,846	4,025	12,849
2002	2,886	4,269	15,044	21,225	4,974	25,146
acres, 2007	39,980	639,279	279,940	338,605	812,553	348,923
2002	56,908	821,547	511,046	668,353	1,285,642	697,745

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
FARMS AND LAND IN FARMS					
Farms ..... number, 2007	86,565	38,553	63,163	1,219	25,867
2002	83,300	40,033	58,105	858	24,541
Land in farms ..... acres, 2007	35,087,269	16,399,647	7,809,244	67,819	4,889,339
2002	33,661,826	17,080,422	7,745,336	61,223	4,845,923
Average size of farm ..... acres, 2007	405	425	124	56	189
2002	404	427	133	71	197
Estimated market value of land and buildings ..... farms, 2007	86,565	38,553	63,163	1,219	25,867
2002	83,282	40,055	58,144	858	24,535
$1,000, 2007	40,582,468	31,002,186	37,289,908	1,141,263	13,973,359
2002	23,796,169	20,383,264	26,331,894	564,812	10,081,357
Average per farm ..... dollars, 2007	468,809	804,145	590,376	936,229	540,200
2002	285,730	508,882	452,874	658,290	410,897
Average per acre ..... dollars, 2007	1,157	1,890	4,775	16,828	2,858
2002	699	1,202	3,419	9,225	2,067
2007 farms by value group:					
$1 to $49,999	9,930	2,570	3,990	59	2,930
$50,000 to $99,999	11,421	2,047	4,256	29	2,974
$100,000 to $199,999	19,014	3,951	10,143	77	4,603
$200,000 to $499,999	25,447	13,105	21,080	390	7,854
$500,000 to $999,999	11,732	9,759	14,343	339	4,154
$1,000,000 to $1,999,999	5,491	4,209	6,496	185	2,129
$2,000,000 to $4,999,999	2,921	2,096	2,419	110	978
$5,000,000 to $9,999,999	519	605	351	27	191
$10,000,000 or more	90	211	85	3	54
Approximate land area ..... acres, 2007	43,905,445	61,431,595	28,631,687	661,627	19,255,034
Proportion in farms ..... percent, 2007	79.9	26.7	27.3	10.3	25.4
2007 size of farm:					
1 to 9 acres ..... farms	3,802	9,546	5,601	353	1,970
acres	18,258	47,104	24,955	(D)	10,092
10 to 49 acres ..... farms	18,700	14,142	20,267	484	8,959
acres	499,712	334,788	525,323	11,752	234,700
50 to 69 acres ..... farms	4,972	2,131	6,949	97	2,549
acres	287,343	123,384	405,932	5,480	147,638
70 to 99 acres ..... farms	8,907	2,182	7,833	87	2,371
acres	722,333	178,698	651,631	7,287	196,068
100 to 139 acres ..... farms	7,013	1,699	7,333	90	2,526
acres	811,542	196,898	845,418	10,228	292,515
140 to 179 acres ..... farms	8,827	1,418	3,934	34	1,587
acres	1,392,771	222,725	614,961	5,360	249,396
180 to 219 acres ..... farms	3,930	796	2,660	20	1,106
acres	774,145	156,904	525,281	3,970	218,488
220 to 259 acres ..... farms	3,545	598	1,752	13	749
acres	842,614	142,450	416,976	3,124	178,648
260 to 499 acres ..... farms	11,665	1,946	4,387	34	2,126
acres	4,182,620	699,381	1,528,963	11,836	749,699
500 to 999 acres ..... farms	7,484	1,531	1,816	5	1,059
acres	5,188,747	1,062,737	1,205,755	3,000	718,132
1,000 to 1,999 acres ..... farms	4,165	998	490	-	553
acres	5,708,527	1,381,218	633,548	-	759,777
2,000 acres or more ..... farms	3,555	1,566	141	2	312
acres	14,658,657	11,853,360	430,501	(D)	1,134,186
2002 size of farm:					
1 to 9 acres ..... farms	3,091	9,377	5,102	208	1,706
acres	14,835	47,226	22,456	(D)	8,945
10 to 49 acres ..... farms	17,072	15,628	16,862	305	8,536
acres	461,588	365,357	433,546	7,111	224,971
50 to 69 acres ..... farms	4,733	2,204	5,994	98	2,522
acres	273,234	126,820	349,660	5,580	145,398
70 to 99 acres ..... farms	8,821	2,261	7,029	60	2,343
acres	715,900	185,191	582,580	4,811	193,085
100 to 139 acres ..... farms	6,721	1,719	7,108	76	2,220
acres	778,101	199,095	822,869	8,444	255,628
140 to 179 acres ..... farms	8,501	1,325	4,037	37	1,419
acres	1,343,543	208,129	633,347	5,870	222,664
180 to 219 acres ..... farms	3,973	804	2,794	23	1,061
acres	782,806	159,446	551,437	4,513	209,915
220 to 259 acres ..... farms	3,619	577	1,933	8	671
acres	860,850	137,045	459,851	1,910	159,716
260 to 499 acres ..... farms	11,765	2,038	4,833	32	2,017
acres	4,233,000	731,659	1,687,628	10,472	709,038
500 to 999 acres ..... farms	7,668	1,546	1,800	6	1,107
acres	5,317,775	1,075,620	1,187,696	3,539	751,659
1,000 to 1,999 acres ..... farms	4,119	985	496	4	626
acres	5,603,196	1,356,210	645,414	5,921	848,246
2,000 acres or more ..... farms	3,217	1,569	117	1	313
acres	13,276,998	12,488,624	368,852	(D)	1,116,658
LAND IN FARMS ACCORDING TO USE					
Total cropland ..... farms, 2007	59,040	26,650	54,772	926	18,534
2002	61,779	30,305	52,365	688	19,450
acres, 2007	13,007,625	5,010,408	4,870,287	24,457	2,151,219
2002	14,843,357	5,417,387	5,120,685	23,506	2,270,084
Harvested cropland ..... farms, 2007	46,224	22,131	44,269	823	12,962
2002	43,930	23,013	45,374	628	13,321
acres, 2007	7,650,080	3,037,261	3,942,079	19,325	1,551,670
2002	7,705,860	3,119,384	4,079,276	17,820	1,374,617
Cropland used only for pasture or grazing ..... farms, 2007	17,304	7,259	12,985	187	4,992
2002	33,912	13,997	23,414	192	9,090
acres, 2007	2,780,523	676,743	397,131	2,194	264,049
2002	5,050,399	997,717	591,274	2,934	395,050

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
FARMS AND LAND IN FARMS					
Farms ..... number, 2007	31,169	79,280	247,437	16,700	6,984
2002	31,736	87,595	228,926	15,282	6,571
Land in farms ..... acres, 2007	43,666,403	10,969,798	130,398,753	11,094,700	1,233,313
2002	43,785,079	11,681,533	129,877,666	11,731,228	1,244,909
Average size of farm ..... acres, 2007	1,401	138	527	664	177
2002	1,380	133	567	768	189
Estimated market value of land and buildings ..... farms, 2007	31,169	79,280	247,437	16,700	6,984
2002	31,710	87,587	228,886	15,292	6,576
$1,000, 2007	39,127,431	37,057,079	165,573,377	13,857,925	3,580,584
2002	19,617,432	28,534,393	100,496,055	8,965,857	2,542,909
Average per farm ..... dollars, 2007	1,255,332	467,420	669,154	829,816	512,684
2002	618,651	325,783	439,066	586,310	386,695
Average per acre ..... dollars, 2007	896	3,378	1,270	1,249	2,903
2002	442	2,405	768	756	2,051
2007 farms by value group:					
$1 to $49,999	3,209	5,962	28,437	2,102	505
$50,000 to $99,999	2,486	8,492	28,232	1,241	375
$100,000 to $199,999	3,724	16,759	44,405	2,267	973
$200,000 to $499,999	6,003	28,322	67,420	4,906	2,867
$500,000 to $999,999	4,943	12,779	42,929	3,128	1,427
$1,000,000 to $1,999,999	4,989	4,511	21,369	1,806	606
$2,000,000 to $4,999,999	4,386	1,883	10,368	847	205
$5,000,000 to $9,999,999	1,108	412	2,803	277	24
$10,000,000 or more	321	160	1,474	126	2
Approximate land area ..... acres, 2007	48,511,810	26,383,003	167,145,209	52,553,947	5,898,698
Proportion in farms ..... percent, 2007	90.0	41.6	78.0	21.1	20.9
2007 size of farm:					
1 to 9 acres ..... farms	920	5,814	21,024	4,194	635
acres	4,485	31,407	107,011	17,827	2,751
10 to 49 acres ..... farms	3,898	29,396	72,837	5,127	1,862
acres	103,542	781,709	1,801,433	119,814	46,781
50 to 69 acres ..... farms	920	8,606	17,697	790	567
acres	53,465	498,582	1,022,423	45,788	32,854
70 to 99 acres ..... farms	1,492	8,672	18,448	951	593
acres	120,817	715,330	1,530,252	77,890	49,329
100 to 139 acres ..... farms	1,283	7,680	20,212	904	777
acres	147,938	890,774	2,331,589	104,901	89,920
140 to 179 acres ..... farms	2,214	4,630	14,907	709	459
acres	349,640	725,992	2,355,785	111,630	72,161
180 to 219 acres ..... farms	882	3,113	10,433	404	417
acres	174,908	614,373	2,066,791	79,423	82,161
220 to 259 acres ..... farms	929	2,258	7,267	328	279
acres	221,051	536,822	1,731,496	78,501	66,630
260 to 499 acres ..... farms	4,063	5,476	24,431	1,092	861
acres	1,501,281	1,908,537	8,699,711	392,140	303,640
500 to 999 acres ..... farms	4,714	2,287	17,843	895	390
acres	3,386,253	1,525,271	12,421,272	614,076	252,371
1,000 to 1,999 acres ..... farms	4,362	892	11,326	571	114
acres	6,124,293	1,199,502	15,717,269	785,271	148,188
2,000 acres or more ..... farms	5,492	456	11,012	735	30
acres	31,478,730	1,541,499	80,613,721	8,667,439	86,527
2002 size of farm:					
1 to 9 acres ..... farms	777	6,066	13,669	3,673	477
acres	3,841	31,788	70,306	16,290	2,012
10 to 49 acres ..... farms	3,549	32,116	61,015	4,695	1,738
acres	94,709	863,502	1,559,806	107,265	43,242
50 to 69 acres ..... farms	879	9,791	17,379	768	506
acres	51,095	568,594	1,000,299	44,243	29,475
70 to 99 acres ..... farms	1,568	10,063	18,436	827	550
acres	127,950	831,367	1,525,400	68,092	45,037
100 to 139 acres ..... farms	1,209	8,976	19,719	820	644
acres	141,065	1,038,884	2,276,287	94,989	74,642
140 to 179 acres ..... farms	2,099	5,442	15,046	522	516
acres	331,614	851,917	2,375,085	82,066	80,841
180 to 219 acres ..... farms	883	3,559	10,397	420	370
acres	175,032	702,811	2,059,470	82,594	73,390
220 to 259 acres ..... farms	959	2,303	7,368	322	294
acres	228,132	547,156	1,757,388	76,615	70,072
260 to 499 acres ..... farms	4,249	5,495	24,710	1,090	922
acres	1,568,253	1,900,870	8,813,936	392,468	328,902
500 to 999 acres ..... farms	5,353	2,446	18,625	856	406
acres	3,884,673	1,632,546	12,952,604	592,188	265,623
1,000 to 1,999 acres ..... farms	4,758	896	12,049	586	123
acres	6,609,931	1,205,047	16,612,660	798,180	161,538
2,000 acres or more ..... farms	5,453	442	10,513	703	25
acres	30,568,784	1,507,051	78,874,425	9,376,238	70,135
LAND IN FARMS ACCORDING TO USE					
Total cropland ..... farms, 2007	26,625	61,274	153,276	12,398	5,439
2002	28,110	74,086	160,352	12,652	5,103
acres, 2007	19,094,311	6,047,348	33,667,177	1,837,904	516,924
2002	20,318,036	6,992,992	38,657,710	2,067,437	567,509
Harvested cropland ..... farms, 2007	21,902	48,292	111,671	10,259	4,707
2002	22,931	56,316	106,827	9,661	4,373
acres, 2007	15,278,709	4,226,440	19,174,301	964,702	433,074
2002	13,492,286	4,365,360	17,750,938	961,037	454,699
Cropland used only for pasture or grazing ..... farms, 2007	4,958	21,089	49,894	3,545	1,458
2002	8,060	43,804	89,081	6,412	2,523
acres, 2007	1,257,737	1,190,823	7,832,896	403,022	46,686
2002	2,351,951	2,066,097	12,937,991	602,341	80,443

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
FARMS AND LAND IN FARMS					
Farms ..... number, 2007	47,383	39,284	23,618	78,463	11,069
2002	47,606	35,939	20,812	77,131	9,422
Land in farms ..... acres, 2007	8,103,925	14,972,789	3,697,606	15,190,804	30,169,526
2002	8,624,829	15,318,008	3,584,668	15,741,552	34,402,726
Average size of farm ..... acres, 2007	171	381	157	194	2,726
2002	181	426	172	204	3,651
Estimated market value of land and buildings ..... farms, 2007	47,383	39,284	23,618	78,463	11,069
2002	47,605	35,959	20,764	77,133	9,432
$1,000, 2007	34,141,249	29,822,309	8,819,799	48,994,488	15,471,039
2002	23,329,488	22,414,438	4,817,217	35,799,490	10,195,477
Average per farm ..... dollars, 2007	720,538	759,146	373,435	624,428	1,397,691
2002	490,064	623,333	231,999	464,127	1,080,945
Average per acre ..... dollars, 2007	4,213	1,992	2,385	3,225	513
2002	2,675	1,486	1,315	2,272	290
2007 farms by value group:					
$1 to $49,999	3,769	2,852	2,247	5,639	892
$50,000 to $99,999	3,536	2,647	3,297	6,233	637
$100,000 to $199,999	6,675	5,774	5,751	14,327	1,322
$200,000 to $499,999	13,837	13,945	7,851	26,881	2,986
$500,000 to $999,999	10,137	8,376	2,947	14,319	2,047
$1,000,000 to $1,999,999	5,975	2,953	1,034	6,764	1,340
$2,000,000 to $4,999,999	2,812	1,893	417	3,275	1,156
$5,000,000 to $9,999,999	491	600	51	751	478
$10,000,000 or more	151	244	23	274	211
Approximate land area ..... acres, 2007	25,275,225	42,540,079	15,383,174	34,655,459	62,130,538
Proportion in farms ..... percent, 2007	32.1	35.2	24.0	43.8	48.6
2007 size of farm:					
1 to 9 acres ..... farms	3,530	9,211	1,207	4,861	652
acres	18,051	44,360	5,729	23,591	3,028
10 to 49 acres ..... farms	15,177	14,790	5,749	19,895	2,004
acres	396,364	343,160	162,751	566,800	54,858
50 to 69 acres ..... farms	4,656	1,959	2,534	6,018	419
acres	270,210	113,333	147,761	352,564	24,586
70 to 99 acres ..... farms	4,980	2,188	3,076	9,291	664
acres	413,077	178,155	256,569	762,225	53,687
100 to 139 acres ..... farms	4,929	1,758	3,230	8,347	672
acres	572,222	201,820	374,915	977,487	77,626
140 to 179 acres ..... farms	3,024	1,402	1,899	6,109	706
acres	476,173	220,706	299,183	960,990	111,906
180 to 219 acres ..... farms	2,137	805	1,431	4,498	328
acres	422,467	158,400	282,713	887,970	64,887
220 to 259 acres ..... farms	1,564	638	1,006	3,674	306
acres	372,833	151,809	239,360	872,734	72,700
260 to 499 acres ..... farms	4,076	2,036	2,244	9,665	1,078
acres	1,425,079	729,409	785,259	3,392,335	387,400
500 to 999 acres ..... farms	1,985	1,731	908	4,149	1,107
acres	1,336,394	1,206,606	604,157	2,802,061	775,393
1,000 to 1,999 acres ..... farms	960	1,218	265	1,399	859
acres	1,279,786	1,688,140	343,038	1,835,105	1,207,636
2,000 acres or more ..... farms	365	1,548	69	557	2,274
acres	1,121,269	9,936,891	196,171	1,756,942	27,335,819
2002 size of farm:					
1 to 9 acres ..... farms	3,027	7,482	996	4,141	477
acres	14,914	36,071	5,244	19,660	1,977
10 to 49 acres ..... farms	14,082	13,187	4,676	17,152	1,536
acres	378,963	303,919	132,247	490,616	42,041
50 to 69 acres ..... farms	4,729	2,148	2,137	5,466	350
acres	274,876	123,791	123,917	320,834	19,960
70 to 99 acres ..... farms	5,204	2,065	2,539	9,020	561
acres	432,624	168,174	211,753	739,920	45,606
100 to 139 acres ..... farms	4,980	1,663	2,809	8,297	377
acres	580,168	191,386	324,717	972,360	43,542
140 to 179 acres ..... farms	3,402	1,347	1,852	6,675	460
acres	535,208	211,371	291,040	1,053,224	72,581
180 to 219 acres ..... farms	2,319	814	1,244	5,152	275
acres	458,977	161,184	245,890	1,019,523	54,254
220 to 259 acres ..... farms	1,736	596	944	4,063	212
acres	413,691	141,745	224,544	966,508	50,382
260 to 499 acres ..... farms	4,558	2,029	2,304	10,806	978
acres	1,596,252	726,499	803,393	3,787,096	349,978
500 to 999 acres ..... farms	2,183	1,635	956	4,465	961
acres	1,474,804	1,159,943	634,020	2,974,650	680,498
1,000 to 1,999 acres ..... farms	1,023	1,364	280	1,395	819
acres	1,361,779	1,910,378	365,049	1,844,072	1,149,754
2,000 acres or more ..... farms	363	1,609	75	499	2,416
acres	1,102,573	10,183,547	222,854	1,553,089	31,892,153
LAND IN FARMS ACCORDING TO USE					
Total cropland ..... farms, 2007	35,954	26,005	19,446	68,478	6,838
2002	41,047	28,184	17,821	69,883	7,017
acres, 2007	3,274,137	7,609,210	942,132	10,116,279	2,576,017
2002	4,194,158	8,038,469	1,173,032	10,728,655	2,989,804
Harvested cropland ..... farms, 2007	30,563	20,091	17,494	54,105	5,573
2002	33,791	21,802	15,827	54,741	5,003
acres, 2007	2,544,997	4,387,169	692,003	8,884,628	1,536,240
2002	2,623,776	4,894,634	648,635	8,928,083	1,298,709
Cropland used only for pasture or grazing ..... farms, 2007	10,083	6,166	4,578	15,368	2,030
2002	23,357	10,730	9,171	26,270	3,581
acres, 2007	486,550	371,026	191,707	391,728	419,772
2002	1,267,163	499,226	472,310	764,212	906,831

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
LAND IN FARMS ACCORDING TO USE - Con.						
Total cropland - Con.						
Other cropland ....farms, 2007	469,860	8,140	213	2,238	4,819	9,372
2002	506,163	8,103	211	1,106	4,738	10,104
acres, 2007	61,046,154	521,220	48,352	(D)	341,109	1,031,270
2002	70,909,889	556,621	57,390	160,247	412,725	1,182,481
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text) ....farms, 2007	360,225	5,652	153	1,931	3,683	6,118
2002	380,300	6,268	156	930	3,521	7,473
acres, 2007	37,968,749	371,411	40,533	172,700	259,318	667,291
2002	37,281,096	416,049	48,851	148,890	273,440	800,070
Cropland on which all crops failed ....farms, 2007	89,587	2,568	62	214	959	2,631
2002	119,642	1,780	64	237	1,039	2,308
acres, 2007	7,405,898	112,891	1,883	7,803	47,770	173,651
2002	17,069,564	105,073	3,821	9,857	79,789	198,649
Cropland in cultivated summer fallow ....farms, 2007	67,960	977	62	156	500	1,435
2002	72,335	982	36	12	661	1,264
acres, 2007	15,671,507	36,918	5,936	(D)	34,021	190,328
2002	16,559,229	35,499	4,718	1,500	59,496	183,762
Total woodland ....farms, 2007	843,294	27,892	364	347	24,437	6,913
2002	818,105	25,898	332	252	24,581	5,136
acres, 2007	75,098,603	3,375,438	41,698	279,779	2,239,119	1,270,720
2002	75,878,213	3,179,257	42,244	32,450	2,369,950	1,191,484
Woodland pastured ....farms, 2007	370,297	14,007	105	217	13,462	3,520
2002	379,795	14,194	103	159	13,403	2,534
acres, 2007	28,609,690	591,967	4,271	(D)	742,648	782,561
2002	31,128,955	803,377	5,820	13,402	909,796	679,384
Woodland not pastured ....farms, 2007	596,123	19,050	314	165	14,587	4,083
2002	568,956	17,177	281	112	15,154	3,199
acres, 2007	46,488,913	2,783,471	37,427	(D)	1,496,471	488,159
2002	44,749,258	2,375,880	36,424	19,048	1,460,154	512,100
Permanent pasture and rangeland, other than cropland and woodland pastured (see text) ....farms, 2007	1,132,606	29,142	213	3,358	28,251	21,348
2002	850,913	21,137	130	2,555	21,592	18,053
acres, 2007	408,832,116	2,017,079	737,746	22,900,777	2,637,556	13,275,042
2002	395,278,829	1,514,500	730,478	23,240,467	1,977,177	13,987,763
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms, 2007	1,126,272	22,501	448	10,637	19,272	34,169
2002	1,165,564	22,684	445	3,849	21,435	36,043
acres, 2007	31,740,212	498,062	15,903	1,731,918	563,966	1,354,286
2002	32,957,068	477,879	29,862	2,051,766	579,619	1,415,619
Pastureland, all types ....farms, 2007	1,433,892	36,822	303	4,590	35,983	31,560
2002	1,384,798	35,029	269	3,660	36,326	26,462
acres, 2007	473,212,960	3,236,041	749,131	23,096,576	4,104,248	14,857,807
2002	486,965,589	3,498,868	745,215	23,467,550	4,592,696	16,012,506
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	346,231	6,652	38	3	2,948	668
2002	268,748	5,371	35	4	1,393	777
acres, 2007	38,547,450	494,441	28,298	(D)	441,655	254,013
2002	32,723,967	472,332	29,175	2,880	147,878	220,240
Land enrolled in crop insurance programs (see text) ....farms, 2007	349,408	2,470	19	474	4,176	14,236
2002	394,538	2,955	26	657	5,157	15,804
acres, 2007	222,267,817	1,004,146	6,212	454,164	3,901,756	4,018,816
2002	214,806,181	1,023,615	5,741	423,979	4,461,655	4,109,214

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
LAND IN FARMS ACCORDING TO USE - Con.							
Total cropland - Con.							
Other cropland	farms, 2007	9,876	737	308	3,662	8,725	1,329
	2002	11,150	738	430	3,806	9,242	1,015
	acres, 2007	4,352,779	14,339	14,463	269,721	500,303	51,013
	2002	5,386,290	15,994	17,245	296,830	564,230	65,119
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text)	farms, 2007	6,283	566	213	2,536	5,994	1,021
	2002	5,028	575	274	2,762	6,505	858
	acres, 2007	2,075,910	12,597	10,663	200,215	328,998	44,336
	2002	1,656,848	12,326	9,662	233,443	358,476	61,559
Cropland on which all crops failed	farms, 2007	1,799	139	83	992	2,524	298
	2002	6,212	198	147	1,002	2,812	200
	acres, 2007	220,666	1,015	3,350	37,754	118,512	1,846
	2002	1,745,725	2,879	6,585	30,711	144,811	1,407
Cropland in cultivated summer fallow	farms, 2007	3,517	97	32	441	1,207	126
	2002	3,292	80	58	437	1,195	55
	acres, 2007	2,056,203	727	450	31,752	52,793	4,831
	2002	1,983,717	789	998	32,676	60,943	2,153
Total woodland	farms, 2007	3,883	2,807	848	12,946	28,695	572
	2002	3,047	2,354	1,100	11,048	30,415	308
	acres, 2007	1,381,543	124,875	46,126	2,330,336	3,712,672	79,041
	2002	1,345,230	127,231	53,729	2,485,733	4,285,708	117,685
Woodland pastured	farms, 2007	2,430	919	116	6,603	12,111	171
	2002	1,960	637	213	6,067	13,728	86
	acres, 2007	886,808	16,953	2,069	1,307,815	521,587	22,570
	2002	994,359	20,348	5,198	1,559,261	885,314	41,467
Woodland not pastured	farms, 2007	1,837	2,357	777	7,871	21,365	429
	2002	1,430	2,003	967	6,504	22,091	248
	acres, 2007	494,735	107,922	44,057	1,022,521	3,191,085	56,471
	2002	350,871	106,883	48,531	926,472	3,400,394	76,218
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)	farms, 2007	21,976	2,090	553	24,721	25,644	1,706
	2002	15,787	1,274	442	19,461	21,095	858
	acres, 2007	17,830,125	32,823	6,773	3,221,202	1,341,985	738,271
	2002	17,341,749	21,988	6,540	3,400,193	1,173,187	852,626
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	farms, 2007	17,962	3,097	1,231	21,619	23,974	2,998
	2002	16,674	2,848	1,559	21,838	27,006	1,973
	acres, 2007	909,307	84,232	24,581	726,692	617,714	126,391
	2002	875,657	37,262	22,610	813,694	608,777	119,068
Pastureland, all types	farms, 2007	26,448	2,821	946	31,064	33,328	2,028
	2002	21,872	2,427	868	27,393	35,219	1,209
	acres, 2007	19,959,164	62,290	17,684	5,100,507	2,451,000	784,334
	2002	20,133,563	65,767	18,589	6,064,344	2,925,054	930,633
CONSERVATION PRACTICES AND CROP INSURANCE							
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1]	farms, 2007	5,883	38	226	2,418	5,090	2
	2002	3,775	23	156	1,281	5,905	5
	acres, 2007	2,489,360	911	9,221	224,867	331,166	(D)
	2002	1,735,353	675	6,792	97,267	458,183	243
Land enrolled in crop insurance programs (see text)	farms, 2007	5,603	261	521	5,427	5,476	241
	2002	5,548	296	432	3,582	5,275	185
	acres, 2007	5,574,501	28,044	260,565	881,151	2,325,933	41,333
	2002	4,775,534	31,708	241,683	1,073,477	2,024,786	27,759

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
LAND IN FARMS ACCORDING TO USE - Con.						
Total cropland - Con.						
Other cropland ....farms, 2007	5,676	18,863	11,010	27,198	25,771	18,156
2002	4,901	22,637	13,811	30,411	28,053	21,722
acres, 2007	1,203,853	787,997	325,080	1,687,168	7,055,089	746,539
2002	1,095,488	1,080,081	523,044	1,803,787	8,163,844	852,641
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text) ....farms, 2007	4,105	17,626	9,673	26,316	16,185	14,120
2002	3,526	20,582	11,503	29,532	17,847	17,361
acres, 2007	949,842	735,671	291,491	1,656,509	2,621,094	617,045
2002	789,441	971,602	423,053	1,758,758	2,439,208	750,796
Cropland on which all crops failed ....farms, 2007	1,079	1,084	998	1,166	5,227	3,233
2002	1,014	2,058	2,211	1,395	7,394	2,605
acres, 2007	58,077	21,920	16,368	28,635	1,218,145	87,757
2002	56,014	78,091	83,479	45,029	1,995,904	54,880
Cropland in cultivated summer fallow ....farms, 2007	1,290	757	770	182	9,033	2,255
2002	1,027	999	942	-	10,587	3,959
acres, 2007	195,934	30,406	17,221	2,024	3,215,850	41,737
2002	250,033	30,388	16,512	-	3,728,732	46,965
Total woodland ....farms, 2007	3,532	24,433	23,809	21,047	14,071	49,003
2002	3,254	25,067	28,629	21,515	10,877	51,064
acres, 2007	531,767	1,428,922	1,020,287	1,193,303	792,858	3,107,137
2002	579,238	1,536,646	1,153,779	1,336,752	686,628	3,111,626
Woodland pastured ....farms, 2007	1,919	7,126	7,064	7,961	6,289	24,495
2002	1,982	8,527	9,171	9,809	5,450	26,239
acres, 2007	341,499	265,759	161,564	399,613	337,671	808,124
2002	424,407	374,571	222,523	548,815	356,223	903,863
Woodland not pastured ....farms, 2007	2,078	20,010	19,576	15,512	9,487	34,024
2002	1,678	19,846	23,042	14,593	6,902	35,008
acres, 2007	190,268	1,163,163	858,723	793,690	455,187	2,299,013
2002	154,831	1,162,075	931,256	787,937	330,405	2,207,763
Permanent pasture and rangeland, other than cropland and woodland pastured (see text) ....farms, 2007	12,641	22,070	21,368	27,352	40,051	48,775
2002	10,382	15,877	16,344	23,863	35,056	29,802
acres, 2007	4,602,886	887,274	542,941	1,914,924	15,932,985	2,912,424
2002	4,522,883	770,995	427,190	1,735,421	15,504,008	1,613,681
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms, 2007	13,009	38,049	34,001	49,591	33,961	46,192
2002	14,005	40,078	38,387	56,291	34,066	50,695
acres, 2007	443,831	751,205	493,919	1,322,991	1,403,920	695,462
2002	512,562	831,932	568,699	1,504,026	1,495,286	706,045
Pastureland, all types ....farms, 2007	17,076	30,219	29,679	38,519	45,197	64,183
2002	17,209	27,354	31,182	39,529	42,841	63,470
acres, 2007	5,433,645	1,461,292	986,522	3,144,321	17,544,976	5,194,224
2002	5,691,125	1,673,841	1,098,301	3,639,397	18,261,690	5,098,263
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	3,285	26,660	14,127	40,502	21,481	8,437
2002	2,334	21,845	9,108	30,454	18,619	7,135
acres, 2007	836,910	885,837	365,321	2,050,714	3,281,157	375,049
2002	755,547	923,906	291,664	1,694,138	2,566,762	403,946
Land enrolled in crop insurance programs (see text) ....farms, 2007	2,632	26,826	12,466	40,392	20,630	4,949
2002	2,557	28,751	12,712	45,205	24,706	9,718
acres, 2007	2,003,472	16,397,926	7,557,077	18,868,184	15,918,778	1,690,465
2002	1,949,638	15,527,599	7,099,066	19,609,071	16,271,555	1,626,678

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
LAND IN FARMS ACCORDING TO USE - Con.							
Total cropland - Con.							
Other cropland	farms, 2007	4,845	2,093	2,881	1,080	17,831	25,382
	2002	5,307	2,046	2,972	1,071	18,353	27,399
	acres, 2007	713,979	98,496	(D)	17,194	635,461	1,956,182
	2002	897,770	94,856	97,751	18,623	746,375	2,602,256
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text)	farms, 2007	4,099	1,779	2,264	812	14,255	21,519
	2002	3,494	1,735	2,227	787	15,120	22,250
	acres, 2007	582,623	90,124	70,506	13,305	497,981	1,711,881
	2002	522,794	81,936	70,219	12,895	607,936	1,930,941
Cropland on which all crops failed	farms, 2007	641	301	633	264	3,100	3,366
	2002	1,626	375	841	355	3,113	5,509
	acres, 2007	39,497	4,423	15,521	2,452	69,881	148,216
	2002	220,953	7,370	22,415	4,551	69,071	527,429
Cropland in cultivated summer fallow	farms, 2007	291	215	287	167	2,733	2,334
	2002	830	205	262	120	2,567	2,508
	acres, 2007	91,859	3,949	(D)	1,437	67,599	96,085
	2002	154,023	5,550	5,117	1,177	69,368	143,886
Total woodland	farms, 2007	10,053	5,561	7,210	4,259	28,792	30,036
	2002	8,746	5,138	6,665	3,325	27,818	29,197
	acres, 2007	1,188,689	660,679	373,002	212,539	1,196,212	1,862,251
	2002	1,017,937	702,555	356,626	210,891	1,224,237	1,975,495
Woodland pastured	farms, 2007	4,112	1,056	1,665	1,160	5,100	11,617
	2002	4,244	1,024	1,779	859	5,316	12,519
	acres, 2007	210,997	26,230	(D)	21,853	125,897	527,233
	2002	299,824	38,484	44,658	22,641	162,169	642,571
Woodland not pastured	farms, 2007	7,069	5,144	6,332	3,670	26,138	23,390
	2002	5,730	4,719	5,700	2,910	24,853	22,188
	acres, 2007	977,692	634,449	(D)	190,686	1,070,315	1,335,018
	2002	718,113	664,071	311,968	188,250	1,062,068	1,332,924
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)	farms, 2007	15,844	3,413	6,051	3,359	18,787	27,466
	2002	11,771	2,155	4,125	1,650	11,447	20,940
	acres, 2007	1,544,080	62,014	156,375	48,120	376,625	1,469,816
	2002	1,194,963	40,967	120,419	31,279	254,062	1,187,082
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	farms, 2007	12,006	5,052	7,980	5,005	36,399	51,243
	2002	12,771	4,716	7,798	4,086	35,435	52,586
	acres, 2007	685,862	95,620	116,937	69,814	655,327	1,637,292
	2002	546,227	89,407	113,367	68,666	681,085	1,620,535
Pastureland, all types	farms, 2007	20,721	4,469	7,741	4,399	26,751	38,291
	2002	18,987	4,042	7,146	3,221	24,986	36,500
	acres, 2007	2,390,394	125,263	253,903	86,192	811,623	2,722,452
	2002	2,336,408	127,313	272,540	83,778	825,527	2,558,246
CONSERVATION PRACTICES AND CROP INSURANCE							
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1]	farms, 2007	4,160	695	2,525	30	8,596	27,687
	2002	1,986	476	1,610	17	6,593	20,211
	acres, 2007	524,824	32,812	85,046	580	302,144	1,929,007
	2002	273,839	26,259	57,397	191	296,666	1,628,796
Land enrolled in crop insurance programs (see text)	farms, 2007	2,689	527	1,522	722	8,337	26,713
	2002	3,584	385	1,453	641	7,921	29,741
	acres, 2007	2,296,014	104,796	665,929	32,811	3,617,808	15,069,112
	2002	2,613,634	91,234	585,455	32,846	3,401,787	16,245,194

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
LAND IN FARMS ACCORDING TO USE - Con.						
Total cropland - Con.						
Other cropland ....farms, 2007	7,315	20,778	10,404	13,291	510	623
2002	8,586	20,794	10,964	17,350	473	612
acres, 2007	565,810	1,566,798	7,399,992	2,424,339	63,942	11,983
2002	786,467	1,569,162	7,847,391	3,302,651	76,789	13,494
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text) ....farms, 2007	5,850	17,813	6,560	9,625	279	486
2002	7,019	17,785	6,055	9,985	305	479
acres, 2007	473,000	1,374,183	3,710,267	1,238,092	29,554	9,674
2002	640,345	1,388,689	3,390,045	1,146,195	44,467	11,093
Cropland on which all crops failed ....farms, 2007	1,170	2,599	1,516	1,506	183	119
2002	1,484	2,791	2,939	6,723	178	156
acres, 2007	56,816	118,387	309,497	140,574	28,798	1,582
2002	104,855	113,124	987,881	949,677	26,787	1,817
Cropland in cultivated summer fallow ....farms, 2007	818	1,358	4,849	3,818	104	79
2002	825	1,482	5,232	4,268	68	64
acres, 2007	35,994	74,228	3,380,228	1,045,673	5,590	727
2002	41,267	67,349	3,469,465	1,206,779	5,535	584
Total woodland ....farms, 2007	24,190	57,389	4,132	6,632	132	2,966
2002	23,531	57,684	3,882	5,378	96	2,552
acres, 2007	3,610,991	4,414,396	2,284,011	409,785	36,327	278,244
2002	3,264,040	4,852,574	2,200,562	382,151	43,688	266,468
Woodland pastured ....farms, 2007	10,051	31,842	2,781	2,666	51	689
2002	11,363	34,825	2,806	2,433	46	614
acres, 2007	561,225	1,866,337	1,778,313	230,066	26,845	13,703
2002	807,485	2,281,064	1,698,879	233,765	15,075	21,839
Woodland not pastured ....farms, 2007	17,968	35,372	1,850	4,643	91	2,732
2002	16,295	33,176	1,508	3,555	59	2,289
acres, 2007	3,049,766	2,548,059	505,698	179,719	9,482	264,541
2002	2,456,555	2,571,510	501,683	148,386	28,613	244,629
Permanent pasture and rangeland, other than cropland and woodland pastured (see text) ....farms, 2007	21,085	63,016	19,864	26,377	1,504	1,983
2002	18,285	45,011	16,847	24,925	1,268	1,065
acres, 2007	1,639,243	6,864,391	40,003,265	22,619,904	4,855,316	33,508
2002	1,403,451	4,854,438	38,241,382	21,940,679	4,974,195	19,848
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms, 2007	18,292	54,431	14,211	25,805	1,965	2,840
2002	20,908	56,965	15,765	28,555	1,957	2,338
acres, 2007	675,182	1,342,191	859,476	964,644	220,031	31,221
2002	607,266	1,354,103	854,945	1,059,412	372,444	29,175
Pastureland, all types ....farms, 2007	27,668	79,823	22,866	30,232	1,917	2,565
2002	29,156	80,135	21,580	30,649	1,891	2,104
acres, 2007	2,941,775	10,589,412	43,459,429	23,741,780	5,067,626	64,646
2002	3,107,914	11,314,076	41,666,273	24,056,043	5,303,700	61,598
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	10,714	20,678	5,984	12,511	5	24
2002	8,056	15,066	5,469	10,403	38	18
acres, 2007	1,107,406	1,691,694	3,561,031	1,396,457	(D)	629
2002	807,340	1,418,874	3,533,432	1,166,443	7,682	1,161
Land enrolled in crop insurance programs (see text) ....farms, 2007	2,801	13,666	6,597	22,114	127	115
2002	3,488	15,005	7,635	25,441	119	129
acres, 2007	2,819,629	6,673,331	10,223,103	14,481,258	110,442	12,557
2002	3,101,842	6,932,263	9,383,758	14,143,140	132,866	14,398

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
LAND IN FARMS ACCORDING TO USE - Con.							
Total cropland - Con.							
Other cropland	farms, 2007	1,533	4,237	9,833	10,730	17,326	16,020
	2002	1,778	3,549	11,250	12,657	17,927	18,393
	acres, 2007	33,175	685,056	383,736	367,941	4,678,910	492,842
	2002	46,090	897,394	483,953	495,566	5,312,138	685,338
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text)	farms, 2007	1,142	3,054	7,408	7,230	13,489	14,335
	2002	1,240	2,236	8,477	8,799	11,670	15,370
	acres, 2007	24,560	537,282	268,172	225,038	3,549,898	449,987
	2002	28,715	566,723	328,855	293,498	2,842,984	561,040
Cropland on which all crops failed	farms, 2007	392	996	2,494	3,447	2,855	2,403
	2002	617	1,375	3,486	3,813	5,262	4,208
	acres, 2007	5,495	58,982	68,483	95,333	530,496	42,855
	2002	14,925	245,560	112,585	133,028	1,566,574	123,221
Cropland in cultivated summer fallow	farms, 2007	190	625	1,529	1,788	3,443	-
	2002	168	455	1,242	2,362	4,396	146
	acres, 2007	3,120	88,792	47,081	47,570	598,516	-
	2002	2,450	85,111	42,513	69,040	902,580	1,077
Total woodland	farms, 2007	4,803	1,533	23,730	32,241	2,587	38,477
	2002	4,548	1,101	24,133	33,597	2,098	40,545
	acres, 2007	131,312	2,868,929	1,559,522	2,201,609	233,883	1,473,638
	2002	150,029	2,548,379	1,649,585	2,520,118	235,927	1,686,207
Woodland pastured	farms, 2007	1,026	1,065	5,659	13,214	1,017	11,464
	2002	1,221	781	5,955	15,349	974	12,812
	acres, 2007	11,473	2,032,322	165,855	287,543	112,722	279,125
	2002	15,458	1,739,507	236,349	472,701	125,487	338,149
Woodland not pastured	farms, 2007	4,145	655	21,467	25,343	1,824	32,222
	2002	3,664	499	21,456	25,667	1,421	33,683
	acres, 2007	119,839	836,607	1,393,667	1,914,066	121,161	1,194,513
	2002	134,571	808,872	1,413,236	2,047,417	110,440	1,348,058
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)	farms, 2007	4,246	9,447	19,682	26,671	14,964	33,446
	2002	2,884	6,728	14,065	18,844	14,111	24,508
	acres, 2007	54,007	37,597,641	714,615	941,609	10,418,885	1,046,728
	2002	41,579	39,136,229	550,225	605,860	10,984,441	796,078
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	farms, 2007	6,658	9,068	25,260	28,328	17,110	47,764
	2002	6,707	5,801	25,800	30,695	17,478	50,853
	acres, 2007	59,434	437,461	585,652	436,249	1,494,638	603,425
	2002	66,406	550,368	619,792	480,895	1,568,034	676,651
Pastureland, all types	farms, 2007	5,679	12,134	24,194	33,785	17,080	42,385
	2002	5,574	9,777	24,790	34,742	16,386	43,467
	acres, 2007	105,460	40,269,242	1,160,410	1,567,757	11,344,160	1,674,776
	2002	113,945	41,697,283	1,297,620	1,746,914	12,395,570	1,831,972
CONSERVATION PRACTICES AND CROP INSURANCE							
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1]	farms, 2007	143	1,357	2,478	4,181	15,253	13,734
	2002	62	1,202	2,390	3,536	12,468	8,987
	acres, 2007	5,976	592,766	115,546	163,676	3,434,036	385,442
	2002	2,605	545,884	211,996	183,000	3,043,439	365,636
Land enrolled in crop insurance programs (see text)	farms, 2007	638	1,412	2,877	5,809	14,317	13,233
	2002	674	1,428	3,183	8,424	15,453	12,266
	acres, 2007	165,242	3,146,730	833,783	2,538,638	19,793,137	5,515,619
	2002	163,347	2,562,464	765,574	2,585,734	18,108,278	4,737,453

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
LAND IN FARMS ACCORDING TO USE - Con.					
Total cropland - Con.					
Other cropland ....farms, 2007	14,012	5,464	16,826	186	6,504
2002	12,297	6,546	14,571	146	6,713
acres, 2007	2,577,022	1,296,404	531,077	2,938	335,500
2002	2,087,098	1,300,286	450,135	2,752	500,417
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text) ....farms, 2007	7,868	3,762	13,619	138	4,677
2002	8,231	4,995	10,817	111	4,614
acres, 2007	1,032,301	693,471	443,785	2,298	223,039
2002	1,008,785	705,825	348,524	2,167	276,655
Cropland on which all crops failed ....farms, 2007	5,660	1,056	3,107	55	1,922
2002	3,833	1,089	4,458	32	2,595
acres, 2007	1,164,977	55,566	51,177	520	81,018
2002	818,289	98,302	82,300	403	190,181
Cropland in cultivated summer fallow ....farms, 2007	2,213	1,416	1,857	24	843
2002	1,803	1,378	1,322	22	766
acres, 2007	379,744	547,367	36,115	120	31,443
2002	260,024	496,159	19,311	182	33,581
Total woodland ....farms, 2007	26,024	12,776	37,457	674	15,914
2002	22,143	12,470	33,070	487	15,644
acres, 2007	2,468,152	1,729,761	1,717,791	28,874	1,827,191
2002	2,266,746	2,166,401	1,579,829	24,976	1,850,968
Woodland pastured ....farms, 2007	18,579	6,156	9,224	197	6,079
2002	16,588	6,367	9,949	129	6,805
acres, 2007	1,708,501	1,171,477	150,184	2,240	219,636
2002	1,638,323	1,544,267	220,818	2,004	376,725
Woodland not pastured ....farms, 2007	10,177	8,346	33,448	577	12,377
2002	8,187	7,735	28,506	412	11,602
acres, 2007	759,651	558,284	1,567,607	26,634	1,607,555
2002	628,423	622,134	1,359,011	22,972	1,474,243
Permanent pasture and rangeland, other than cropland and woodland pastured (see text) ....farms, 2007	61,866	20,011	33,803	517	12,294
2002	49,270	14,900	22,185	275	9,249
acres, 2007	18,713,085	9,148,119	732,275	6,144	617,136
2002	15,732,765	8,855,459	526,723	5,080	448,140
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms, 2007	32,076	21,962	42,287	824	12,380
2002	34,640	24,242	39,150	635	12,954
acres, 2007	898,407	511,359	488,891	8,344	293,793
2002	818,958	641,175	518,099	7,661	276,731
Pastureland, all types ....farms, 2007	73,356	26,379	42,007	681	16,161
2002	71,417	27,272	38,796	451	16,494
acres, 2007	23,202,109	10,996,339	1,279,590	10,578	1,100,821
2002	22,421,487	11,397,443	1,338,815	10,018	1,219,915
CONSERVATION PRACTICES AND CROP INSURANCE					
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	6,833	1,756	6,784	-	3,908
2002	5,968	1,319	3,607	3	3,268
acres, 2007	1,150,524	612,894	232,543	-	264,950
2002	1,103,520	483,237	190,959	42	228,443
Land enrolled in crop insurance programs (see text) ....farms, 2007	7,869	1,766	5,982	55	2,099
2002	9,974	2,005	7,027	50	2,404
acres, 2007	5,217,331	1,181,855	1,133,314	2,418	969,030
2002	5,332,419	1,250,425	1,111,534	2,789	925,437

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		South Dakota	Tennessee	Texas	Utah	Vermont
LAND IN FARMS ACCORDING TO USE - Con.						
Total cropland - Con.						
Other cropland	farms, 2007	10,580	12,828	34,510	2,935	1,372
	2002	11,661	15,402	35,419	3,426	1,142
	acres, 2007	2,557,865	630,085	6,659,980	470,180	37,164
	2002	4,473,799	561,535	7,968,781	504,059	32,367
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text)	farms, 2007	7,236	9,625	23,145	1,610	1,114
	2002	6,730	13,790	23,839	1,699	895
	acres, 2007	1,454,163	416,333	4,602,973	293,699	29,895
	2002	1,196,185	508,592	4,609,293	258,446	22,561
Cropland on which all crops failed	farms, 2007	3,139	3,980	8,836	1,106	269
	2002	5,382	2,397	11,115	1,740	286
	acres, 2007	669,734	213,530	931,977	64,383	5,401
	2002	2,818,372	51,955	2,513,763	134,868	7,531
Cropland in cultivated summer fallow	farms, 2007	1,685	96	6,269	754	146
	2002	1,427	127	5,721	651	106
	acres, 2007	433,968	222	1,125,030	112,098	1,868
	2002	459,242	988	845,725	110,745	2,275
Total woodland	farms, 2007	3,441	43,439	61,601	1,220	5,165
	2002	2,753	48,618	48,774	859	5,096
	acres, 2007	258,973	2,042,868	7,099,790	385,193	502,823
	2002	236,025	2,338,495	5,651,181	332,884	523,204
Woodland pastured	farms, 2007	1,180	25,028	45,466	642	1,145
	2002	1,101	27,764	36,611	502	1,120
	acres, 2007	164,832	769,416	5,278,964	244,942	40,985
	2002	165,652	850,513	4,202,337	210,506	54,249
Woodland not pastured	farms, 2007	2,487	26,310	21,754	664	4,719
	2002	1,887	29,932	17,238	418	4,675
	acres, 2007	94,141	1,273,452	1,820,826	140,251	461,838
	2002	70,373	1,487,982	1,448,844	122,378	468,955
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)	farms, 2007	19,950	48,245	165,484	8,737	3,828
	2002	17,798	36,769	125,951	5,586	2,349
	acres, 2007	23,025,539	2,545,047	87,217,416	8,601,640	137,165
	2002	22,025,971	1,948,445	83,402,865	9,007,771	89,095
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	farms, 2007	18,338	35,426	89,874	7,476	4,515
	2002	19,086	41,935	93,425	7,153	4,389
	acres, 2007	1,287,580	334,535	2,414,370	269,963	76,401
	2002	1,205,047	401,601	2,165,910	323,136	65,101
Pastureland, all types	farms, 2007	22,346	62,682	204,260	11,145	4,619
	2002	22,017	68,685	187,768	10,194	4,325
	acres, 2007	24,448,108	4,505,286	100,329,276	9,249,604	224,836
	2002	24,543,574	4,865,055	100,543,193	9,820,618	223,787
CONSERVATION PRACTICES AND CROP INSURANCE						
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1]	farms, 2007	10,602	5,220	15,665	668	183
	2002	8,236	4,346	13,166	588	48
	acres, 2007	1,599,477	289,200	4,170,044	207,420	6,752
	2002	1,342,598	227,996	3,302,766	207,609	1,376
Land enrolled in crop insurance programs (see text)	farms, 2007	14,332	3,275	17,756	963	597
	2002	15,524	5,973	23,544	1,112	516
	acres, 2007	16,126,298	1,864,247	16,361,113	421,150	114,958
	2002	13,645,242	1,900,567	15,739,894	539,777	83,826

See footnote(s) at end of table.

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Table 8. **Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
LAND IN FARMS ACCORDING TO USE - Con.					
Total cropland - Con.					
Other cropland ....farms, 2007	6,734	7,678	2,620	22,931	1,875
2002	8,081	7,694	2,351	24,780	2,275
acres, 2007	242,590	2,851,015	58,422	839,923	620,005
2002	303,219	2,644,609	52,087	1,036,360	784,264
Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed (see text) ....farms, 2007	4,793	5,672	1,978	19,836	978
2002	5,731	5,697	1,778	20,732	907
acres, 2007	169,436	1,527,638	50,063	761,695	356,209
2002	211,740	1,217,397	45,126	909,728	338,230
Cropland on which all crops failed ....farms, 2007	1,805	1,038	700	3,115	758
2002	2,145	948	549	4,228	1,318
acres, 2007	48,001	27,627	6,768	60,829	129,059
2002	61,801	30,657	5,145	92,957	288,513
Cropland in cultivated summer fallow ....farms, 2007	948	2,125	269	1,394	456
2002	1,248	2,419	271	1,818	470
acres, 2007	25,153	1,295,750	1,591	17,399	134,737
2002	29,678	1,396,555	1,816	33,675	157,521
Total woodland ....farms, 2007	28,955	10,438	17,381	47,667	820
2002	30,332	8,787	15,994	47,444	723
acres, 2007	2,319,491	1,988,322	1,461,714	2,920,214	395,806
2002	2,667,732	1,932,794	1,482,067	3,179,502	722,570
Woodland pastured ....farms, 2007	13,421	5,045	9,195	13,614	576
2002	14,887	4,530	8,817	14,865	578
acres, 2007	490,798	1,516,554	454,177	526,008	348,436
2002	637,236	1,513,329	493,806	683,703	591,254
Woodland not pastured ....farms, 2007	21,596	6,761	12,288	40,733	309
2002	21,961	5,551	11,187	39,843	215
acres, 2007	1,828,693	471,768	1,007,537	2,394,206	47,370
2002	2,030,496	419,465	988,261	2,495,799	131,316
Permanent pasture and rangeland, other than cropland and woodland pastured (see text) ....farms, 2007	30,674	18,898	17,106	34,174	8,555
2002	19,635	12,052	10,854	23,528	6,175
acres, 2007	2,150,933	4,775,287	1,105,292	1,065,814	27,012,269
2002	1,412,483	4,847,324	754,045	777,616	30,247,024
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms, 2007	23,502	20,427	13,489	56,225	5,343
2002	25,242	19,626	12,684	53,978	5,335
acres, 2007	359,364	599,970	188,468	1,088,497	185,434
2002	350,456	499,421	175,524	1,055,779	443,328
Pastureland, all types ....farms, 2007	37,284	24,581	19,853	45,498	9,574
2002	37,283	21,309	17,951	45,284	8,100
acres, 2007	3,128,281	6,662,867	1,751,176	1,983,550	27,780,477
2002	3,316,882	6,859,879	1,720,161	2,225,531	31,745,109
CONSERVATION PRACTICES AND CROP INSURANCE					
Land enrolled in Conservation Reserve, Wetlands Reserve, Farmable Wetlands, or Conservation Reserve Enhancement Programs (see text) [1] ....farms, 2007	2,792	3,722	225	18,105	555
2002	2,597	3,143	383	14,727	541
acres, 2007	70,112	1,602,342	4,667	654,486	281,307
2002	107,610	1,267,744	12,658	614,047	255,741
Land enrolled in crop insurance programs (see text) ....farms, 2007	2,849	4,545	369	14,553	1,383
2002	4,639	4,910	652	14,448	1,224
acres, 2007	910,478	2,621,075	44,745	4,267,668	1,999,675
2002	878,685	2,728,512	54,856	3,796,612	931,581

[1] 2002 data do not include farms with land in Farmable Wetlands or Conservation Reserve Enhancement Programs.

Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Farms ..... number, 2007	1,328,004	23,336	424	4,993	29,050	53,000
2002	1,362,608	23,327	393	3,139	29,466	54,115
acres harvested, 2007	309,607,601	1,994,743	30,772	832,406	7,367,068	7,633,173
2002	302,697,252	1,995,139	31,824	887,966	7,457,599	8,466,321
HARVESTED CROPLAND BY SIZE OF FARM						
2007 size of farm:						
1 to 9 acres ..... farms	91,191	921	80	2,834	633	15,948
acres harvested	291,828	2,892	128	6,597	2,277	48,197
10 to 49 acres ..... farms	298,858	5,750	82	1,005	6,323	18,425
acres harvested	4,296,973	75,529	688	12,335	102,189	309,862
50 to 69 acres ..... farms	88,505	2,120	25	98	2,274	2,647
acres harvested	2,451,606	47,955	501	3,176	62,658	107,665
70 to 99 acres ..... farms	117,021	2,699	34	123	3,052	2,526
acres harvested	4,500,846	75,619	1,151	4,222	105,985	148,849
100 to 139 acres ..... farms	109,554	2,679	38	92	2,829	1,991
acres harvested	5,775,871	98,794	1,659	5,825	130,888	164,950
140 to 179 acres ..... farms	88,133	1,768	22	79	2,132	1,525
acres harvested	6,590,706	82,232	986	6,139	124,590	171,762
180 to 219 acres ..... farms	60,334	1,221	16	41	1,434	1,078
acres harvested	5,588,532	70,782	990	4,166	95,244	153,602
220 to 259 acres ..... farms	48,977	977	12	26	1,195	899
acres harvested	5,730,418	65,216	1,044	3,570	97,337	156,291
260 to 499 acres ..... farms	159,319	2,571	56	145	3,716	2,899
acres harvested	30,444,392	258,570	5,754	35,041	463,432	762,434
500 to 999 acres ..... farms	121,080	1,483	30	202	2,514	2,306
acres harvested	51,556,447	324,058	6,215	100,305	842,258	1,187,402
1,000 to 1,999 acres ..... farms	78,927	697	12	158	1,642	1,479
acres harvested	69,844,694	356,335	4,441	153,835	1,648,887	1,391,250
2,000 acres or more ..... farms	66,105	450	17	190	1,306	1,277
acres harvested	122,535,288	536,761	7,215	497,195	3,691,323	3,030,909
2002 size of farm:						
1 to 9 acres ..... farms	78,325	746	63	887	357	13,739
acres harvested	249,242	2,433	115	2,436	1,191	42,828
10 to 49 acres ..... farms	281,732	5,361	67	813	4,386	18,778
acres harvested	4,111,751	72,835	653	11,010	73,062	334,807
50 to 69 acres ..... farms	89,994	2,134	19	106	1,987	2,995
acres harvested	2,468,654	47,004	399	3,359	52,565	129,596
70 to 99 acres ..... farms	120,784	2,741	29	150	3,024	2,927
acres harvested	4,649,652	75,496	924	4,764	99,477	180,859
100 to 139 acres ..... farms	116,069	2,743	37	128	3,098	2,527
acres harvested	6,114,934	97,065	1,658	7,430	131,748	224,901
140 to 179 acres ..... farms	96,693	1,841	41	100	2,435	1,838
acres harvested	7,273,320	84,532	1,856	7,894	137,030	217,166
180 to 219 acres ..... farms	66,232	1,405	11	56	1,959	1,232
acres harvested	6,217,966	79,165	893	5,762	132,783	183,443
220 to 259 acres ..... farms	54,344	1,045	15	46	1,449	1,070
acres harvested	6,455,901	73,808	1,332	8,003	120,627	187,296
260 to 499 acres ..... farms	176,671	2,632	45	202	4,542	3,342
acres harvested	34,088,945	264,343	4,886	51,386	583,225	917,412
500 to 999 acres ..... farms	134,118	1,513	36	253	3,101	2,624
acres harvested	56,659,861	319,695	8,223	130,667	1,046,000	1,374,701
1,000 to 1,999 acres ..... farms	85,362	742	15	209	1,937	1,661
acres harvested	72,787,584	372,113	4,396	197,718	1,901,221	1,556,840
2,000 acres or more ..... farms	62,284	424	15	189	1,191	1,382
acres harvested	101,619,442	506,650	6,489	457,537	3,178,670	3,116,472
HARVESTED CROPLAND BY ACRES HARVESTED						
2007 acres harvested:						
1 to 9 acres ..... farms	233,119	4,473	173	3,381	2,797	22,216
acres	989,575	19,459	(D)	8,699	13,221	76,646
10 to 19 acres ..... farms	182,514	4,468	24	453	4,344	7,442
acres	2,403,405	58,430	308	5,772	56,762	101,744
20 to 29 acres ..... farms	126,330	3,525	39	167	3,807	4,009
acres	2,868,498	79,287	864	3,789	84,000	90,982
30 to 49 acres ..... farms	158,303	3,838	46	147	5,175	4,526
acres	5,837,835	139,897	1,621	5,424	188,321	169,004
50 to 99 acres ..... farms	179,055	3,425	68	133	5,027	4,326
acres	12,214,828	224,252	4,688	8,767	333,349	298,960
100 to 199 acres ..... farms	141,875	1,734	33	120	2,895	3,399
acres	19,387,506	220,477	4,252	16,046	370,954	472,328
200 to 499 acres ..... farms	143,776	1,140	30	181	1,778	3,620
acres	44,906,549	332,495	9,333	56,436	513,466	1,126,298
500 to 999 acres ..... farms	82,211	384	9	178	1,036	1,819
acres	57,533,461	256,115	6,417	122,979	735,472	1,266,100
1,000 acres or more ..... farms	80,821	349	2	233	2,191	1,643
acres	163,465,944	664,331	(D)	604,494	5,071,523	4,031,111
2002 acres harvested:						
1 to 9 acres ..... farms	223,038	4,215	126	1,371	2,160	19,477
acres	933,750	19,139	(D)	4,212	10,289	69,010
10 to 19 acres ..... farms	177,964	4,736	39	368	3,814	7,463
acres	2,343,694	61,792	528	4,645	49,151	101,363
20 to 29 acres ..... farms	126,713	3,395	31	189	3,770	4,377
acres	2,882,145	76,538	707	4,227	83,093	99,133
30 to 49 acres ..... farms	160,777	3,877	49	178	5,320	5,099
acres	5,943,845	140,738	1,751	6,734	194,213	191,087
50 to 99 acres ..... farms	186,980	3,427	59	148	5,308	5,220
acres	12,790,218	224,407	4,155	9,995	351,974	361,380
100 to 199 acres ..... farms	158,005	1,785	44	160	3,262	4,306
acres	21,716,628	229,563	5,749	22,143	414,962	593,910
200 to 499 acres ..... farms	163,027	1,166	32	250	2,279	4,322
acres	51,022,603	340,721	9,009	80,853	675,171	1,353,393
500 to 999 acres ..... farms	90,412	392	12	229	1,329	2,084
acres	63,171,775	272,333	8,127	164,544	943,478	1,449,697
1,000 acres or more ..... farms	75,692	334	1	246	2,224	1,767
acres	141,892,594	629,908	(D)	590,613	4,735,268	4,247,348

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Farms ..... number, 2007	17,899	3,517	1,615	20,486	23,179	6,044
2002	14,655	3,000	1,548	20,495	24,424	4,522
acres harvested, 2007	5,888,926	136,833	409,468	2,112,129	3,390,437	103,120
2002	4,346,955	131,248	433,105	2,313,537	3,245,784	109,461
HARVESTED CROPLAND BY SIZE OF FARM						
2007 size of farm:						
1 to 9 acres ..... farms	1,485	686	256	5,971	1,119	4,303
acres harvested	5,521	1,700	723	19,198	3,470	10,716
10 to 49 acres ..... farms	4,050	1,267	421	7,101	5,701	1,438
acres harvested	65,627	13,771	7,158	96,007	69,636	12,078
50 to 69 acres ..... farms	800	342	109	1,118	1,998	96
acres harvested	25,929	8,129	4,653	34,872	44,310	1,936
70 to 99 acres ..... farms	1,199	271	134	1,021	2,220	55
acres harvested	52,963	9,038	8,164	39,710	62,681	1,694
100 to 139 acres ..... farms	829	320	131	952	2,310	35
acres harvested	51,300	14,594	11,228	50,493	86,600	1,309
140 to 179 acres ..... farms	963	174	71	714	1,534	25
acres harvested	80,534	9,335	8,452	44,383	77,876	1,174
180 to 219 acres ..... farms	514	135	53	488	1,172	10
acres harvested	50,827	9,320	8,045	38,245	77,304	603
220 to 259 acres ..... farms	390	55	36	335	836	6
acres harvested	45,731	4,315	6,839	34,305	68,204	690
260 to 499 acres ..... farms	1,754	180	166	1,074	2,715	25
acres harvested	313,073	27,095	51,464	156,834	374,679	2,633
500 to 999 acres ..... farms	1,674	61	95	752	1,928	13
acres harvested	531,387	20,203	57,938	226,507	661,339	3,939
1,000 to 1,999 acres ..... farms	1,565	22	97	451	1,056	12
acres harvested	876,095	13,466	116,781	252,516	820,674	1,942
2,000 acres or more ..... farms	2,676	4	46	509	590	26
acres harvested	3,789,939	5,867	128,023	1,119,059	1,043,664	64,406
2002 size of farm:						
1 to 9 acres ..... farms	993	561	121	5,213	1,308	3,205
acres harvested	3,778	(D)	336	16,698	4,016	8,042
10 to 49 acres ..... farms	3,054	1,073	419	7,174	5,298	1,050
acres harvested	47,574	11,843	6,038	103,869	65,668	10,280
50 to 69 acres ..... farms	592	265	121	1,234	2,235	75
acres harvested	18,773	5,870	4,184	39,487	45,663	1,713
70 to 99 acres ..... farms	907	234	127	1,212	2,327	39
acres harvested	37,864	7,496	6,273	50,716	61,745	1,166
100 to 139 acres ..... farms	647	259	134	1,052	2,564	32
acres harvested	39,955	11,791	9,248	59,002	97,243	1,492
140 to 179 acres ..... farms	796	147	71	714	1,751	20
acres harvested	64,816	8,210	7,614	48,920	85,038	1,087
180 to 219 acres ..... farms	433	99	59	479	1,323	21
acres harvested	42,013	7,821	8,630	42,854	79,913	1,526
220 to 259 acres ..... farms	385	57	49	348	1,002	9
acres harvested	46,129	5,229	8,035	37,889	78,976	1,029
260 to 499 acres ..... farms	1,492	200	188	1,221	2,908	22
acres harvested	259,959	30,497	54,847	181,973	354,150	2,549
500 to 999 acres ..... farms	1,561	78	118	797	2,006	17
acres harvested	493,727	21,863	68,046	233,140	589,123	3,966
1,000 to 1,999 acres ..... farms	1,486	23	89	494	1,093	11
acres harvested	780,415	16,149	108,757	272,378	800,415	4,788
2,000 acres or more ..... farms	2,309	4	52	557	609	21
acres harvested	2,511,952	(D)	151,097	1,226,611	983,834	71,823
HARVESTED CROPLAND BY ACRES HARVESTED						
2007 acres harvested:						
1 to 9 acres ..... farms	2,958	1,492	397	9,065	4,912	5,338
acres	13,464	5,328	1,402	32,750	21,014	14,856
10 to 19 acres ..... farms	2,112	623	163	3,537	4,322	410
acres	28,155	8,235	2,109	44,668	56,257	5,158
20 to 29 acres ..... farms	1,316	381	114	1,831	2,775	118
acres	30,049	8,643	2,668	40,866	62,724	2,768
30 to 49 acres ..... farms	1,936	378	130	1,865	3,003	83
acres	71,285	13,736	4,833	68,619	109,950	3,038
50 to 99 acres ..... farms	2,241	353	209	1,645	2,804	41
acres	153,758	23,404	14,812	110,088	186,688	2,799
100 to 199 acres ..... farms	2,093	161	182	970	1,799	22
acres	282,443	21,658	24,044	129,131	238,700	2,929
200 to 499 acres ..... farms	2,325	99	204	845	1,816	15
acres	723,853	30,420	64,921	254,994	555,632	3,980
500 to 999 acres ..... farms	1,300	22	89	384	966	7
acres	901,092	13,625	62,280	254,085	668,040	4,949
1,000 acres or more ..... farms	1,618	8	127	344	782	10
acres	3,684,827	11,784	232,399	1,176,928	1,491,432	62,643
2002 acres harvested:						
1 to 9 acres ..... farms	2,276	1,242	287	8,290	5,588	3,899
acres	10,271	4,396	1,170	30,404	24,036	10,917
10 to 19 acres ..... farms	1,675	532	203	3,471	4,358	336
acres	22,036	6,998	2,707	43,743	56,786	4,332
20 to 29 acres ..... farms	1,077	317	130	1,982	2,981	105
acres	24,497	7,251	2,965	44,323	67,558	2,407
30 to 49 acres ..... farms	1,467	314	144	2,023	3,197	75
acres	53,960	11,301	5,416	74,304	117,071	2,715
50 to 99 acres ..... farms	1,822	270	170	1,837	3,076	49
acres	125,720	18,349	11,704	124,581	204,456	3,331
100 to 199 acres ..... farms	1,747	165	177	1,212	1,899	23
acres	240,958	22,083	25,002	160,961	252,646	3,060
200 to 499 acres ..... farms	2,152	130	214	948	1,690	15
acres	674,501	36,501	70,102	284,484	519,071	4,716
500 to 999 acres ..... farms	1,279	24	99	371	867	6
acres	896,960	15,547	68,096	251,784	600,675	4,424
1,000 acres or more ..... farms	1,160	6	124	361	768	14
acres	2,298,052	8,822	245,943	1,298,953	1,403,485	73,559

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Farms ..... number, 2007	13,975	54,185	41,743	63,672	43,553	57,528
2002	13,444	56,083	44,298	67,338	44,073	65,815
acres harvested, 2007	4,225,786	22,611,443	12,108,940	23,799,380	19,886,655	5,057,883
2002	4,313,288	22,562,904	11,937,370	23,994,343	18,976,719	4,978,994
HARVESTED CROPLAND BY SIZE OF FARM						
2007 size of farm:						
1 to 9 acres ..... farms	1,394	3,239	3,315	2,305	604	1,726
acres harvested	5,321	12,804	12,822	8,245	2,217	5,604
10 to 49 acres ..... farms	3,804	10,752	11,330	8,078	4,787	13,620
acres harvested	59,233	167,781	183,138	133,840	80,591	180,596
50 to 69 acres ..... farms	677	2,397	2,846	2,221	1,491	5,745
acres harvested	23,075	87,625	100,274	81,865	45,842	129,109
70 to 99 acres ..... farms	955	3,934	3,750	4,348	3,198	7,021
acres harvested	47,001	222,099	186,395	247,166	128,887	207,274
100 to 139 acres ..... farms	789	3,347	3,449	4,050	2,119	7,566
acres harvested	54,573	269,074	252,402	330,096	120,114	300,031
140 to 179 acres ..... farms	680	3,041	2,266	4,932	3,296	4,946
acres harvested	64,446	349,842	238,493	580,512	253,783	255,677
180 to 219 acres ..... farms	460	2,126	1,623	3,331	1,551	3,563
acres harvested	53,639	320,614	232,348	482,040	140,046	230,566
220 to 259 acres ..... farms	408	1,882	1,261	3,164	1,753	2,588
acres harvested	53,013	354,024	220,104	567,097	197,640	197,529
260 to 499 acres ..... farms	1,394	7,573	4,356	12,509	6,619	6,220
acres harvested	297,179	2,319,654	1,267,712	3,671,366	1,190,655	723,481
500 to 999 acres ..... farms	1,346	8,128	3,681	11,390	6,574	2,909
acres harvested	549,774	5,188,495	2,331,224	6,835,303	2,505,041	764,262
1,000 to 1,999 acres ..... farms	998	5,472	2,587	5,812	5,716	1,116
acres harvested	802,871	6,907,700	3,338,942	6,867,626	4,434,426	813,752
2,000 acres or more ..... farms	1,070	2,294	1,279	1,532	5,845	508
acres harvested	2,215,661	6,411,731	3,745,086	3,994,224	10,787,413	1,250,002
2002 size of farm:						
1 to 9 acres ..... farms	1,097	1,496	1,739	1,249	492	3,333
acres harvested	4,127	5,784	6,520	4,787	1,665	8,864
10 to 49 acres ..... farms	3,364	8,339	10,924	6,965	4,041	15,825
acres harvested	51,732	139,245	164,409	112,526	71,560	187,518
50 to 69 acres ..... farms	643	2,527	3,309	2,120	1,208	6,957
acres harvested	22,160	86,339	103,534	74,661	38,475	143,489
70 to 99 acres ..... farms	930	4,130	4,728	4,384	2,908	8,132
acres harvested	44,108	222,497	222,985	235,674	126,730	226,896
100 to 139 acres ..... farms	759	3,930	3,979	4,481	1,987	8,570
acres harvested	52,853	309,975	274,436	343,599	121,447	316,026
140 to 179 acres ..... farms	699	3,728	2,759	5,803	3,197	5,486
acres harvested	66,290	421,670	279,448	665,855	259,729	259,325
180 to 219 acres ..... farms	478	2,758	1,921	3,769	1,481	3,768
acres harvested	54,784	400,022	259,987	522,009	144,485	226,527
220 to 259 acres ..... farms	402	2,436	1,537	3,932	1,751	2,658
acres harvested	55,926	448,240	265,526	678,920	203,237	195,187
260 to 499 acres ..... farms	1,425	9,445	5,187	14,456	6,774	6,608
acres harvested	307,762	2,823,216	1,479,392	4,068,100	1,219,868	744,613
500 to 999 acres ..... farms	1,429	9,672	4,411	12,728	7,482	2,873
acres harvested	597,836	6,028,222	2,698,486	7,306,624	2,822,131	750,491
1,000 to 1,999 acres ..... farms	1,119	5,867	2,816	6,141	6,830	1,147
acres harvested	867,537	7,161,032	3,504,128	6,902,124	4,952,002	844,801
2,000 acres or more ..... farms	1,099	1,755	988	1,310	5,922	458
acres harvested	2,188,173	4,516,662	2,678,519	3,079,464	9,015,390	1,075,257
HARVESTED CROPLAND BY ACRES HARVESTED						
2007 acres harvested:						
1 to 9 acres ..... farms	2,771	7,545	7,458	5,501	2,385	9,559
acres	12,790	36,636	35,667	25,124	11,811	43,751
10 to 19 acres ..... farms	1,837	4,949	5,418	4,073	3,371	10,683
acres	24,181	65,020	72,559	54,077	44,765	139,628
20 to 29 acres ..... farms	1,097	2,697	3,271	2,585	2,829	8,017
acres	25,232	61,950	75,900	60,130	64,735	181,441
30 to 49 acres ..... farms	1,346	3,590	4,172	3,807	4,075	9,953
acres	49,917	134,426	156,337	143,394	151,774	364,184
50 to 99 acres ..... farms	1,695	5,551	5,061	6,939	5,978	9,826
acres	118,779	399,005	351,505	501,312	417,727	648,853
100 to 199 acres ..... farms	1,544	6,105	4,319	9,873	6,071	5,328
acres	212,205	875,412	603,808	1,417,738	845,824	690,906
200 to 499 acres ..... farms	1,696	9,316	5,181	15,044	7,549	2,634
acres	532,903	3,062,547	1,641,859	4,889,322	2,417,541	759,634
500 to 999 acres ..... farms	894	7,462	3,352	9,905	5,232	763
acres	630,051	5,306,998	2,367,123	6,898,760	3,705,621	531,004
1,000 acres or more ..... farms	1,095	6,970	3,511	5,945	6,063	765
acres	2,619,728	12,669,449	6,804,182	9,809,523	12,226,857	1,698,482
2002 acres harvested:						
1 to 9 acres ..... farms	2,389	4,832	6,505	4,320	1,976	16,700
acres	11,077	24,084	32,098	21,718	9,679	58,110
10 to 19 acres ..... farms	1,653	4,212	5,608	3,813	2,692	11,288
acres	21,892	56,865	74,941	50,583	35,933	149,038
20 to 29 acres ..... farms	900	2,705	3,524	2,616	2,420	8,598
acres	20,571	62,400	81,261	60,826	55,558	196,107
30 to 49 acres ..... farms	1,304	3,793	4,473	3,938	3,870	10,110
acres	48,504	142,871	168,019	148,678	145,538	371,356
50 to 99 acres ..... farms	1,658	6,036	5,920	7,557	5,969	9,815
acres	116,437	433,434	413,827	542,299	422,722	647,895
100 to 199 acres ..... farms	1,585	7,638	5,018	11,660	6,579	5,074
acres	220,416	1,095,161	708,002	1,677,257	922,065	662,984
200 to 499 acres ..... farms	1,814	11,607	6,054	17,404	8,644	2,667
acres	564,459	3,776,162	1,942,820	5,613,338	2,782,330	773,757
500 to 999 acres ..... farms	1,030	8,823	3,868	10,515	6,157	795
acres	722,108	6,250,547	2,712,346	7,319,342	4,327,279	544,952
1,000 acres or more ..... farms	1,111	6,437	3,328	5,515	5,766	768
acres	2,587,824	10,721,380	5,804,056	8,560,302	10,275,615	1,574,795

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Farms ..... number, 2007	13,783	5,189	8,278	4,792	37,868	53,943
2002	14,017	4,869	8,335	4,210	38,244	57,323
acres harvested, 2007	3,342,048	393,738	1,246,603	153,993	6,859,081	19,267,018
2002	3,332,146	394,121	1,282,004	159,253	6,827,903	19,398,309
HARVESTED CROPLAND BY SIZE OF FARM						
2007 size of farm:						
1 to 9 acres ..... farms	811	508	619	884	1,718	1,159
acres harvested	2,828	1,090	1,587	(D)	5,337	4,032
10 to 49 acres ..... farms	3,433	1,309	2,399	1,720	11,499	7,644
acres harvested	47,849	13,854	30,608	16,907	165,457	110,869
50 to 69 acres ..... farms	992	507	792	422	3,266	2,292
acres harvested	25,850	10,658	21,915	9,614	97,212	67,699
70 to 99 acres ..... farms	1,114	506	770	449	4,618	4,265
acres harvested	36,707	11,755	29,464	12,082	193,515	184,634
100 to 139 acres ..... farms	1,171	645	797	442	3,373	4,029
acres harvested	52,594	23,092	44,957	18,928	217,050	262,022
140 to 179 acres ..... farms	800	349	565	241	2,363	4,628
acres harvested	48,546	15,297	46,676	11,019	215,977	456,214
180 to 219 acres ..... farms	650	215	391	189	1,697	3,036
acres harvested	43,577	13,542	42,493	13,292	209,320	384,191
220 to 259 acres ..... farms	474	185	306	108	1,211	2,910
acres harvested	43,496	15,049	42,620	9,119	191,677	460,035
260 to 499 acres ..... farms	1,549	509	775	226	3,637	10,256
acres harvested	213,122	65,581	172,943	30,260	929,064	2,689,577
500 to 999 acres ..... farms	1,135	293	506	84	2,537	7,691
acres harvested	406,369	75,779	264,128	18,644	1,428,849	4,414,266
1,000 to 1,999 acres ..... farms	950	119	252	24	1,407	4,135
acres harvested	898,057	64,336	284,078	11,312	1,612,129	4,968,593
2,000 acres or more ..... farms	704	44	106	3	542	1,898
acres harvested	1,523,053	83,705	265,134	(D)	1,593,494	5,264,886
2002 size of farm:						
1 to 9 acres ..... farms	804	509	661	767	1,372	995
acres harvested	2,621	1,082	1,907	(D)	4,322	3,403
10 to 49 acres ..... farms	2,931	1,034	2,361	1,398	11,007	7,636
acres harvested	41,379	10,172	30,472	14,475	163,702	115,832
50 to 69 acres ..... farms	974	382	675	395	3,128	2,232
acres harvested	24,389	6,880	19,004	8,546	93,873	69,914
70 to 99 acres ..... farms	1,166	466	741	357	4,625	4,387
acres harvested	39,151	11,102	29,996	10,331	191,593	193,923
100 to 139 acres ..... farms	1,181	525	761	375	3,553	4,144
acres harvested	53,165	17,330	44,392	14,534	224,888	269,874
140 to 179 acres ..... farms	824	373	576	242	2,625	5,065
acres harvested	47,623	16,244	46,570	14,093	232,337	502,226
180 to 219 acres ..... farms	695	272	421	161	1,813	3,459
acres harvested	52,402	15,751	44,986	10,897	215,374	433,284
220 to 259 acres ..... farms	537	219	329	106	1,432	3,377
acres harvested	53,588	16,077	46,872	8,795	215,519	520,787
260 to 499 acres ..... farms	1,601	574	903	265	3,994	11,411
acres harvested	248,316	75,660	196,791	35,074	985,834	2,923,728
500 to 999 acres ..... farms	1,504	341	531	113	2,761	8,407
acres harvested	554,942	85,038	257,887	24,708	1,520,052	4,645,086
1,000 to 1,999 acres ..... farms	1,133	128	270	28	1,444	4,397
acres harvested	966,694	65,442	304,179	11,895	1,646,462	5,103,068
2,000 acres or more ..... farms	667	46	106	3	490	1,813
acres harvested	1,247,876	73,343	258,948	(D)	1,333,947	4,617,184
HARVESTED CROPLAND BY ACRES HARVESTED						
2007 acres harvested:						
1 to 9 acres ..... farms	2,385	1,699	1,898	2,136	6,961	5,002
acres	10,224	5,481	7,666	(D)	30,505	22,863
10 to 19 acres ..... farms	2,212	933	1,240	904	5,600	4,459
acres	28,734	12,150	16,290	11,790	74,061	59,149
20 to 29 acres ..... farms	1,591	518	805	435	3,769	3,019
acres	35,507	11,657	18,597	9,915	86,970	69,040
30 to 49 acres ..... farms	1,907	638	933	481	4,593	4,328
acres	69,321	23,635	34,662	17,824	169,999	161,071
50 to 99 acres ..... farms	1,822	541	1,126	466	5,323	6,549
acres	120,687	36,262	77,572	31,089	366,630	462,749
100 to 199 acres ..... farms	1,109	411	886	241	4,097	8,470
acres	141,816	54,325	122,545	32,157	569,838	1,202,732
200 to 499 acres ..... farms	980	312	753	113	3,953	10,953
acres	291,848	92,298	228,487	31,244	1,235,043	3,468,334
500 to 999 acres ..... farms	733	96	357	14	2,048	6,101
acres	514,200	63,867	247,082	8,902	1,429,010	4,255,362
1,000 acres or more ..... farms	1,044	41	280	2	1,524	5,062
acres	2,129,711	94,063	493,702	(D)	2,897,025	9,565,718
2002 acres harvested:						
1 to 9 acres ..... farms	2,358	1,619	1,886	1,774	6,341	4,577
acres	9,781	5,205	7,662	(D)	28,858	21,909
10 to 19 acres ..... farms	2,042	741	1,205	705	5,636	4,550
acres	26,553	9,587	15,796	9,039	73,953	59,925
20 to 29 acres ..... farms	1,493	519	756	468	3,761	3,293
acres	33,297	11,783	17,437	10,641	85,973	75,770
30 to 49 acres ..... farms	1,750	539	944	447	4,748	4,656
acres	63,770	19,665	35,472	16,391	176,137	173,714
50 to 99 acres ..... farms	1,839	530	1,109	403	5,571	7,093
acres	122,250	35,242	77,080	26,915	385,049	499,237
100 to 199 acres ..... farms	1,234	419	950	260	4,350	9,647
acres	161,869	55,718	131,074	34,219	605,698	1,370,438
200 to 499 acres ..... farms	1,351	353	863	132	4,188	12,063
acres	423,391	105,013	263,532	38,347	1,301,289	3,818,654
500 to 999 acres ..... farms	988	111	336	17	2,181	6,467
acres	691,698	74,471	233,336	10,705	1,532,300	4,499,091
1,000 acres or more ..... farms	962	38	286	4	1,468	4,977
acres	1,799,537	77,437	500,615	(D)	2,638,646	8,879,571

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Farms ..... number, 2007	18,773	69,585	16,441	34,715	1,572	2,494
2002	19,405	71,698	16,543	37,143	1,521	2,043
acres harvested, 2007	4,223,708	12,980,113	9,163,867	18,169,876	504,311	99,520
2002	4,139,341	13,137,184	8,742,111	17,336,624	549,076	95,983
HARVESTED CROPLAND BY SIZE OF FARM						
2007 size of farm:						
1 to 9 acres ..... farms	551	1,027	600	665	128	322
acres harvested	1,653	3,682	1,972	2,175	430	638
10 to 49 acres ..... farms	3,408	11,870	2,483	3,082	383	719
acres harvested	49,505	188,328	37,243	47,618	6,136	7,054
50 to 69 acres ..... farms	1,412	4,298	489	688	75	213
acres harvested	34,760	116,989	14,019	24,073	2,265	3,714
70 to 99 acres ..... farms	2,062	7,317	578	1,588	97	245
acres harvested	58,508	261,755	23,271	81,661	4,068	6,675
100 to 139 acres ..... farms	2,127	7,070	463	1,321	88	257
acres harvested	81,836	330,368	25,938	99,205	5,195	7,808
140 to 179 acres ..... farms	1,569	6,010	590	2,294	57	191
acres harvested	74,615	369,075	44,239	238,581	5,040	9,078
180 to 219 acres ..... farms	1,180	4,334	374	1,044	61	135
acres harvested	71,399	332,074	32,695	130,620	6,041	7,302
220 to 259 acres ..... farms	893	3,581	307	1,171	33	68
acres harvested	64,956	330,151	31,656	185,519	4,711	5,176
260 to 499 acres ..... farms	2,442	11,213	1,260	5,482	133	219
acres harvested	268,995	1,596,546	193,445	1,382,585	29,233	25,289
500 to 999 acres ..... farms	1,405	7,313	1,510	6,939	159	98
acres harvested	409,987	2,441,401	414,614	3,536,393	62,710	17,597
1,000 to 1,999 acres ..... farms	879	3,704	1,877	5,600	121	18
acres harvested	784,133	3,202,695	876,581	5,082,335	73,414	3,532
2,000 acres or more ..... farms	845	1,848	5,910	4,841	237	9
acres harvested	2,323,361	3,807,049	7,468,194	7,359,111	305,068	5,657
2002 size of farm:						
1 to 9 acres ..... farms	488	794	504	478	80	212
acres harvested	1,482	2,751	1,784	1,711	295	(D)
10 to 49 acres ..... farms	3,415	9,859	2,318	2,496	327	519
acres harvested	49,458	170,134	35,546	42,094	4,748	4,921
50 to 69 acres ..... farms	1,651	3,994	465	678	66	184
acres harvested	37,036	115,393	14,195	24,864	2,241	3,141
70 to 99 acres ..... farms	2,177	7,377	560	1,553	92	196
acres harvested	61,438	274,406	23,975	84,249	4,606	4,739
100 to 139 acres ..... farms	2,301	7,457	539	1,250	61	206
acres harvested	89,423	368,194	30,070	94,769	4,020	7,309
140 to 179 acres ..... farms	1,678	6,548	557	2,486	71	175
acres harvested	77,633	420,074	43,114	261,269	6,699	8,208
180 to 219 acres ..... farms	1,143	4,858	348	1,204	49	113
acres harvested	68,074	385,283	30,109	156,978	6,093	5,999
220 to 259 acres ..... farms	844	4,114	334	1,362	50	68
acres harvested	59,385	390,875	38,918	210,263	6,665	4,344
260 to 499 acres ..... farms	2,554	12,984	1,327	6,676	151	224
acres harvested	282,800	1,919,198	217,977	1,646,556	31,492	25,242
500 to 999 acres ..... farms	1,405	8,213	1,578	8,230	156	112
acres harvested	387,533	2,727,035	442,468	3,959,611	57,183	21,148
1,000 to 1,999 acres ..... farms	913	3,865	2,074	6,260	144	17
acres harvested	784,284	3,229,931	989,103	5,238,535	81,126	(D)
2,000 acres or more ..... farms	836	1,635	5,939	4,470	274	17
acres harvested	2,240,795	3,133,910	6,874,852	5,615,725	343,908	7,090
HARVESTED CROPLAND BY ACRES HARVESTED						
2007 acres harvested:						
1 to 9 acres ..... farms	2,768	5,626	1,554	2,071	234	1,007
acres	11,902	28,133	6,825	9,633	946	(D)
10 to 19 acres ..... farms	3,045	8,657	1,410	1,709	204	448
acres	39,589	115,358	18,785	22,510	2,587	5,747
20 to 29 acres ..... farms	2,546	7,899	928	1,128	113	263
acres	56,878	177,913	20,946	25,828	2,550	5,954
30 to 49 acres ..... farms	3,144	11,282	1,188	1,757	162	252
acres	114,989	413,531	43,869	66,149	5,820	9,141
50 to 99 acres ..... farms	2,861	13,282	1,579	3,190	168	258
acres	189,235	902,891	109,885	228,387	11,467	17,004
100 to 199 acres ..... farms	1,641	9,392	1,886	4,801	158	153
acres	208,948	1,252,452	259,026	680,976	20,455	20,634
200 to 499 acres ..... farms	1,071	7,256	2,911	7,980	268	101
acres	311,509	2,161,157	927,450	2,617,202	82,178	27,172
500 to 999 acres ..... farms	555	3,138	2,110	6,555	146	10
acres	385,569	2,168,048	1,481,038	4,622,131	95,343	(D)
1,000 acres or more ..... farms	1,142	3,053	2,875	5,524	119	2
acres	2,905,089	5,760,630	6,296,043	9,897,060	282,965	(D)
2002 acres harvested:						
1 to 9 acres ..... farms	2,931	4,570	1,393	1,461	221	751
acres	13,142	22,465	6,494	7,122	928	(D)
10 to 19 acres ..... farms	3,363	7,814	1,319	1,547	147	329
acres	43,437	104,581	17,432	20,540	2,040	4,151
20 to 29 acres ..... farms	2,746	7,584	900	1,117	88	223
acres	61,624	172,086	20,463	25,639	2,019	5,066
30 to 49 acres ..... farms	3,181	11,690	1,279	1,816	130	226
acres	115,984	432,567	47,152	68,588	4,847	8,298
50 to 99 acres ..... farms	2,804	14,416	1,638	3,624	157	246
acres	186,231	981,521	114,852	259,924	11,035	16,507
100 to 199 acres ..... farms	1,649	10,906	2,060	5,795	209	155
acres	213,551	1,462,281	284,862	830,596	29,257	20,643
200 to 499 acres ..... farms	1,060	8,451	3,079	9,609	282	101
acres	312,694	2,549,119	984,788	3,165,901	86,861	28,366
500 to 999 acres ..... farms	555	3,467	2,145	7,341	148	10
acres	387,647	2,376,771	1,511,267	5,142,044	102,151	(D)
1,000 acres or more ..... farms	1,116	2,800	2,730	4,833	139	2
acres	2,805,031	5,035,793	5,754,801	7,816,270	309,938	(D)

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Farms ..... number, 2007	7,180	9,311	26,814	32,803	20,408	54,790
2002	7,230	7,204	29,162	36,622	20,789	58,577
acres harvested, 2007	415,542	1,009,683	3,651,278	4,188,658	22,035,717	9,991,007
2002	444,670	856,166	3,846,368	4,308,209	19,908,697	10,041,416
HARVESTED CROPLAND BY SIZE OF FARM						
2007 size of farm:						
1 to 9 acres ..... farms	1,746	3,071	1,293	1,990	108	2,696
acres harvested	6,777	9,854	3,417	5,638	331	9,019
10 to 49 acres ..... farms	3,209	2,786	4,972	10,640	819	14,914
acres harvested	34,852	34,682	67,114	123,243	13,543	223,985
50 to 69 acres ..... farms	439	337	2,317	3,699	255	4,630
acres harvested	11,859	10,036	59,364	82,896	7,646	143,957
70 to 99 acres ..... farms	381	377	2,812	3,603	432	6,302
acres harvested	16,226	14,003	101,526	106,073	20,204	287,722
100 to 139 acres ..... farms	358	320	3,265	3,052	430	5,514
acres harvested	21,770	16,083	164,062	131,138	25,411	368,148
140 to 179 acres ..... farms	209	247	2,301	1,840	847	3,816
acres harvested	17,580	14,049	163,188	112,276	76,647	354,880
180 to 219 acres ..... farms	138	149	1,760	1,338	362	2,673
acres harvested	16,930	9,529	158,928	107,477	36,446	329,837
220 to 259 acres ..... farms	114	135	1,344	908	401	1,915
acres harvested	17,766	13,837	156,326	92,143	49,159	303,204
260 to 499 acres ..... farms	302	437	3,799	2,464	2,247	5,724
acres harvested	71,625	64,059	685,780	431,510	453,702	1,517,804
500 to 999 acres ..... farms	181	448	1,939	1,685	3,219	3,911
acres harvested	92,494	107,631	767,243	723,844	1,340,862	2,270,823
1,000 to 1,999 acres ..... farms	86	368	740	1,047	4,927	2,054
acres harvested	81,691	156,434	672,916	1,022,787	4,522,014	2,493,951
2,000 acres or more ..... farms	17	636	272	537	6,361	641
acres harvested	25,972	559,486	651,414	1,249,633	15,489,752	1,687,677
2002 size of farm:						
1 to 9 acres ..... farms	1,592	2,392	1,545	2,117	74	2,583
acres harvested	6,249	7,537	3,967	6,293	254	8,977
10 to 49 acres ..... farms	3,056	1,845	5,057	11,310	594	14,869
acres harvested	33,889	22,460	68,282	135,488	11,251	228,568
50 to 69 acres ..... farms	556	279	2,324	4,222	205	4,882
acres harvested	14,351	8,025	57,028	88,894	6,622	152,578
70 to 99 acres ..... farms	433	310	2,720	4,195	322	6,907
acres harvested	17,534	10,207	97,982	122,373	16,100	310,320
100 to 139 acres ..... farms	414	259	3,369	3,515	350	6,356
acres harvested	25,013	13,938	168,124	146,059	24,424	404,077
140 to 179 acres ..... farms	243	206	2,473	2,213	798	4,419
acres harvested	20,975	13,868	176,730	129,773	76,042	393,758
180 to 219 acres ..... farms	152	115	2,061	1,483	337	3,088
acres harvested	16,113	8,654	186,282	113,243	35,840	370,432
220 to 259 acres ..... farms	107	113	1,464	1,031	376	2,176
acres harvested	16,886	9,029	170,761	101,821	49,898	327,184
260 to 499 acres ..... farms	345	372	4,794	2,879	2,321	6,459
acres harvested	75,795	56,859	883,670	465,300	481,622	1,614,509
500 to 999 acres ..... farms	217	380	2,350	1,945	3,700	4,152
acres harvested	106,746	105,156	889,808	790,807	1,548,381	2,306,904
1,000 to 1,999 acres ..... farms	98	335	791	1,167	5,509	2,087
acres harvested	80,627	160,473	674,978	1,084,117	4,823,961	2,451,402
2,000 acres or more ..... farms	17	598	214	545	6,203	599
acres harvested	30,492	439,960	468,756	1,124,041	12,834,302	1,472,707
HARVESTED CROPLAND BY ACRES HARVESTED						
2007 acres harvested:						
1 to 9 acres ..... farms	3,516	4,781	4,328	8,789	524	8,911
acres	15,036	18,222	16,696	36,766	2,474	41,071
10 to 19 acres ..... farms	1,297	1,325	3,080	6,647	612	7,913
acres	16,877	17,113	40,615	86,660	8,016	105,266
20 to 29 acres ..... farms	501	636	2,643	3,702	466	5,080
acres	11,485	14,528	60,646	84,686	10,580	117,020
30 to 49 acres ..... farms	506	625	3,668	3,894	886	6,754
acres	18,877	23,095	136,474	142,467	33,132	251,964
50 to 99 acres ..... farms	500	604	4,706	3,604	1,339	8,186
acres	34,565	40,459	323,148	240,013	95,622	566,475
100 to 199 acres ..... farms	353	425	3,940	2,189	1,983	6,340
acres	48,734	58,595	535,521	292,472	278,235	881,784
200 to 499 acres ..... farms	314	419	2,969	1,845	3,631	6,162
acres	95,356	130,100	875,902	568,500	1,198,285	1,954,798
500 to 999 acres ..... farms	133	258	922	1,075	3,474	3,180
acres	89,941	180,248	626,595	743,447	2,515,622	2,207,296
1,000 acres or more ..... farms	60	238	558	1,058	7,493	2,264
acres	84,671	527,323	1,035,681	1,993,647	17,893,751	3,865,333
2002 acres harvested:						
1 to 9 acres ..... farms	3,385	3,697	4,730	9,926	323	8,978
acres	14,741	13,220	17,789	41,685	1,577	40,284
10 to 19 acres ..... farms	1,272	894	3,274	7,295	467	8,308
acres	16,659	11,552	42,963	95,130	6,163	110,430
20 to 29 acres ..... farms	531	416	2,704	4,412	434	5,570
acres	12,329	9,432	61,717	100,584	9,831	128,941
30 to 49 acres ..... farms	510	458	3,607	4,304	739	7,550
acres	18,862	16,930	133,862	158,147	27,537	282,257
50 to 99 acres ..... farms	592	470	4,955	3,927	1,333	9,125
acres	40,221	32,190	339,621	264,872	95,582	632,269
100 to 199 acres ..... farms	403	396	4,597	2,522	2,258	7,059
acres	55,276	53,726	631,153	336,181	320,485	981,923
200 to 499 acres ..... farms	327	415	3,817	2,061	4,140	6,574
acres	98,827	130,377	1,124,103	637,754	1,372,013	2,058,218
500 to 999 acres ..... farms	150	245	989	1,153	4,063	3,232
acres	102,407	165,410	660,641	809,461	2,911,299	2,233,517
1,000 acres or more ..... farms	60	213	489	1,022	7,032	2,181
acres	85,348	423,329	834,519	1,864,395	15,164,210	3,573,577

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Farms ..... number, 2007	46,224	22,131	44,269	823	12,962
2002	43,930	23,013	45,374	628	13,321
acres harvested, 2007	7,650,080	3,037,261	3,942,079	19,325	1,551,670
2002	7,705,860	3,119,384	4,079,276	17,820	1,374,617
HARVESTED CROPLAND BY SIZE OF FARM					
2007 size of farm:					
1 to 9 acres ..... farms	728	4,376	2,394	202	738
acres harvested	2,502	12,926	6,759	(D)	2,292
10 to 49 acres ..... farms	6,978	7,902	11,966	312	3,763
acres harvested	118,750	101,430	160,680	3,203	46,644
50 to 69 acres ..... farms	2,334	1,360	5,146	76	1,189
acres harvested	69,680	38,654	151,741	1,380	25,982
70 to 99 acres ..... farms	4,361	1,368	5,988	69	1,204
acres harvested	162,285	57,575	250,978	1,864	36,798
100 to 139 acres ..... farms	3,565	1,103	5,539	67	1,305
acres harvested	167,247	60,283	327,227	3,033	55,724
140 to 179 acres ..... farms	4,234	841	3,177	28	864
acres harvested	257,524	61,387	257,552	1,604	49,075
180 to 219 acres ..... farms	2,245	533	2,196	20	633
acres harvested	147,826	49,334	235,289	1,510	43,975
220 to 259 acres ..... farms	2,115	399	1,518	10	434
acres harvested	167,493	43,327	204,210	628	37,218
260 to 499 acres ..... farms	7,628	1,324	4,012	32	1,380
acres harvested	836,243	230,463	862,119	4,432	180,349
500 to 999 acres ..... farms	5,576	1,028	1,731	5	739
acres harvested	1,151,010	347,284	778,271	1,090	228,772
1,000 to 1,999 acres ..... farms	3,388	716	481	-	462
acres harvested	1,465,996	459,056	449,283	-	369,137
2,000 acres or more ..... farms	3,072	1,181	121	2	251
acres harvested	3,103,524	1,575,542	257,970	(D)	475,704
2002 size of farm:					
1 to 9 acres ..... farms	666	4,481	2,430	135	680
acres harvested	2,108	13,947	6,777	(D)	2,249
10 to 49 acres ..... farms	5,607	8,543	10,870	217	4,026
acres harvested	96,269	109,391	156,057	2,105	47,579
50 to 69 acres ..... farms	1,994	1,337	4,942	78	1,296
acres harvested	61,041	37,894	154,775	1,669	28,405
70 to 99 acres ..... farms	4,032	1,319	6,122	45	1,281
acres harvested	149,286	53,292	271,704	1,396	37,438
100 to 139 acres ..... farms	3,331	1,133	6,198	55	1,217
acres harvested	159,016	63,472	370,843	2,747	47,944
140 to 179 acres ..... farms	4,361	849	3,623	31	851
acres harvested	271,443	67,537	299,024	2,063	41,137
180 to 219 acres ..... farms	2,240	533	2,555	22	649
acres harvested	152,107	49,484	261,491	1,715	43,904
220 to 259 acres ..... farms	2,165	364	1,786	7	433
acres harvested	179,432	42,646	237,504	418	31,644
260 to 499 acres ..... farms	7,702	1,380	4,521	28	1,357
acres harvested	954,137	259,405	934,746	3,553	161,986
500 to 999 acres ..... farms	5,723	1,118	1,733	6	787
acres harvested	1,332,700	402,584	724,546	1,604	204,830
1,000 to 1,999 acres ..... farms	3,404	729	480	3	485
acres harvested	1,600,796	469,847	413,988	(D)	313,091
2,000 acres or more ..... farms	2,705	1,227	114	1	259
acres harvested	2,747,525	1,549,885	247,821	(D)	414,410
HARVESTED CROPLAND BY ACRES HARVESTED					
2007 acres harvested:					
1 to 9 acres ..... farms	3,197	8,241	8,538	430	3,120
acres	14,484	31,418	35,646	(D)	12,871
10 to 19 acres ..... farms	5,047	3,686	6,563	147	2,462
acres	65,658	48,456	85,942	1,869	32,013
20 to 29 acres ..... farms	5,112	1,955	4,772	78	1,543
acres	112,705	44,697	108,859	1,824	35,005
30 to 49 acres ..... farms	8,148	2,071	6,478	68	1,745
acres	298,738	76,191	243,119	2,479	63,906
50 to 99 acres ..... farms	9,502	2,033	8,020	52	1,619
acres	644,747	139,662	544,801	3,456	107,093
100 to 199 acres ..... farms	6,758	1,394	5,063	35	1,042
acres	902,224	188,066	689,600	4,410	137,956
200 to 499 acres ..... farms	4,973	1,349	3,534	12	716
acres	1,492,182	416,342	1,047,661	3,505	218,026
500 to 999 acres ..... farms	1,978	685	967	1	344
acres	1,355,931	470,892	640,214	(D)	239,093
1,000 acres or more ..... farms	1,509	717	334	-	371
acres	2,763,411	1,621,537	546,237	-	705,707
2002 acres harvested:					
1 to 9 acres ..... farms	2,948	8,753	7,693	299	3,464
acres	12,807	34,379	31,538	(D)	14,467
10 to 19 acres ..... farms	4,438	3,854	6,065	109	2,595
acres	58,039	50,367	79,284	1,392	33,217
20 to 29 acres ..... farms	4,612	1,903	4,559	64	1,621
acres	102,188	43,299	104,693	1,464	36,682
30 to 49 acres ..... farms	7,543	2,062	6,910	51	1,671
acres	275,781	75,542	260,647	1,851	60,738
50 to 99 acres ..... farms	8,732	1,919	9,411	58	1,647
acres	595,777	131,319	642,405	3,728	108,810
100 to 199 acres ..... farms	6,689	1,512	5,818	35	977
acres	893,663	205,796	791,142	4,431	128,887
200 to 499 acres ..... farms	5,351	1,484	3,766	11	745
acres	1,627,495	461,449	1,108,240	3,550	224,660
500 to 999 acres ..... farms	2,049	816	852	1	297
acres	1,407,636	566,478	562,815	(D)	203,653
1,000 acres or more ..... farms	1,568	710	300	-	304
acres	2,732,474	1,550,755	498,512	-	563,503

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Farms ..... number, 2007	21,902	48,292	111,671	10,259	4,707
2002	22,931	56,316	106,827	9,661	4,373
acres harvested, 2007	15,278,709	4,226,440	19,174,301	964,702	433,074
2002	13,492,286	4,365,360	17,750,938	961,037	454,699
HARVESTED CROPLAND BY SIZE OF FARM					
2007 size of farm:					
1 to 9 acres .....farms	217	1,533	5,408	1,790	306
acres harvested	855	5,116	21,177	6,829	724
10 to 49 acres .....farms	1,785	14,315	26,843	3,321	948
acres harvested	27,015	191,753	397,635	50,428	10,413
50 to 69 acres .....farms	431	5,217	7,908	568	358
acres harvested	13,266	124,046	207,369	18,563	7,604
70 to 99 acres .....farms	728	5,735	8,860	662	403
acres harvested	34,149	174,667	282,934	29,824	10,328
100 to 139 acres .....farms	629	5,516	9,407	574	538
acres harvested	42,150	224,758	380,162	33,859	21,148
140 to 179 acres .....farms	1,202	3,589	6,760	427	351
acres harvested	112,442	189,694	349,937	31,301	18,471
180 to 219 acres .....farms	467	2,461	5,291	291	334
acres harvested	53,633	151,609	301,826	26,901	21,650
220 to 259 acres .....farms	583	1,796	3,858	231	240
acres harvested	84,403	134,343	260,567	24,056	19,627
260 to 499 acres .....farms	2,950	4,711	12,948	790	739
acres harvested	663,081	527,569	1,298,458	116,080	99,488
500 to 999 acres .....farms	3,995	2,110	10,350	642	351
acres harvested	1,785,758	590,713	2,331,296	156,448	100,651
1,000 to 1,999 acres .....farms	3,975	857	7,391	422	109
acres harvested	3,283,140	686,945	4,297,283	138,992	77,794
2,000 acres or more .....farms	4,940	452	6,647	541	30
acres harvested	9,178,817	1,225,227	9,045,657	331,421	45,176
2002 size of farm:					
1 to 9 acres .....farms	172	2,576	4,051	1,622	223
acres harvested	634	7,300	15,671	6,462	564
10 to 49 acres .....farms	1,424	17,058	23,717	2,912	766
acres harvested	23,009	226,576	361,731	43,563	8,504
50 to 69 acres .....farms	360	6,327	7,413	518	314
acres harvested	12,444	145,623	197,803	17,863	6,098
70 to 99 acres .....farms	787	6,886	8,429	590	336
acres harvested	39,807	203,922	283,570	26,574	8,737
100 to 139 acres .....farms	633	6,437	8,999	577	433
acres harvested	48,000	254,541	372,009	34,113	16,969
140 to 179 acres .....farms	1,289	4,251	7,130	373	385
acres harvested	129,829	216,821	384,694	28,397	21,859
180 to 219 acres .....farms	582	2,801	5,146	323	291
acres harvested	73,021	173,715	326,073	31,646	20,935
220 to 259 acres .....farms	715	1,838	3,832	252	264
acres harvested	109,513	138,721	276,250	27,865	21,437
260 to 499 acres .....farms	3,396	4,661	13,249	854	835
acres harvested	808,276	543,835	1,450,622	144,658	127,334
500 to 999 acres .....farms	4,777	2,181	10,903	665	386
acres harvested	2,240,377	619,443	2,673,313	174,827	115,499
1,000 to 1,999 acres .....farms	4,363	867	7,883	445	115
acres harvested	3,527,917	697,670	4,508,579	157,502	73,253
2,000 acres or more .....farms	4,433	433	6,075	530	25
acres harvested	6,479,459	1,137,193	6,900,623	267,567	33,510
HARVESTED CROPLAND BY ACRES HARVESTED					
2007 acres harvested:					
1 to 9 acres .....farms	995	7,905	16,585	3,050	1,172
acres	4,897	37,922	81,519	13,519	4,187
10 to 19 acres .....farms	957	10,274	20,820	1,701	602
acres	12,385	135,010	273,990	22,166	7,845
20 to 29 acres .....farms	738	7,407	15,015	1,021	462
acres	16,580	166,905	340,401	23,423	10,433
30 to 49 acres .....farms	1,112	8,348	16,937	1,144	644
acres	41,711	303,123	619,337	42,496	23,935
50 to 99 acres .....farms	1,790	7,651	16,623	1,304	679
acres	128,573	502,801	1,097,638	90,232	45,942
100 to 199 acres .....farms	2,641	3,555	9,755	848	600
acres	373,627	455,169	1,277,999	114,948	78,812
200 to 499 acres .....farms	4,973	1,769	6,893	820	407
acres	1,645,395	504,469	2,076,540	248,252	121,694
500 to 999 acres .....farms	4,339	611	3,802	231	92
acres	3,075,812	422,544	2,677,221	152,911	62,173
1,000 acres or more .....farms	4,357	772	5,241	140	49
acres	9,979,729	1,698,497	10,729,656	256,755	78,053
2002 acres harvested:					
1 to 9 acres .....farms	703	11,603	14,437	2,738	945
acres	3,504	48,905	68,607	12,487	3,551
10 to 19 acres .....farms	846	11,946	19,179	1,560	516
acres	10,963	156,628	252,786	20,377	6,696
20 to 29 acres .....farms	684	8,569	14,002	883	403
acres	15,370	193,683	317,609	20,099	9,117
30 to 49 acres .....farms	1,071	9,110	15,839	1,073	559
acres	40,031	332,697	580,725	39,624	20,378
50 to 99 acres .....farms	1,941	7,915	15,863	1,193	638
acres	138,859	515,929	1,054,436	81,663	44,240
100 to 199 acres .....farms	3,167	3,797	10,273	922	640
acres	446,655	489,548	1,361,949	124,810	86,122
200 to 499 acres .....farms	5,806	1,983	8,229	910	520
acres	1,904,490	579,785	2,526,649	272,381	150,035
500 to 999 acres .....farms	4,878	672	4,463	266	113
acres	3,440,808	464,967	3,147,932	184,254	76,879
1,000 acres or more .....farms	3,835	721	4,542	116	39
acres	7,491,606	1,583,218	8,440,245	205,342	57,681

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Table 9. **Harvested Cropland by Size of Farm and Acres Harvested: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Farms ..... number, 2007	30,563	20,091	17,494	54,105	5,573
2002	33,791	21,802	15,827	54,741	5,003
acres harvested, 2007	2,544,997	4,387,169	692,003	8,884,628	1,536,240
2002	2,623,776	4,894,634	648,635	8,928,083	1,298,709
HARVESTED CROPLAND BY SIZE OF FARM					
2007 size of farm:					
1 to 9 acres ..... farms	994	3,452	386	1,846	106
acres harvested	3,183	10,748	1,118	5,728	400
10 to 49 acres ..... farms	7,685	7,008	3,474	10,612	723
acres harvested	98,278	95,942	41,159	151,963	12,774
50 to 69 acres ..... farms	3,037	1,196	1,842	3,516	200
acres harvested	64,777	37,423	32,351	97,830	6,840
70 to 99 acres ..... farms	3,516	1,342	2,435	5,945	349
acres harvested	102,872	59,099	53,237	229,346	16,143
100 to 139 acres ..... farms	3,504	991	2,537	5,775	256
acres harvested	135,163	62,865	71,216	335,509	15,992
140 to 179 acres ..... farms	2,308	733	1,565	4,654	315
acres harvested	109,956	62,860	54,545	386,945	24,220
180 to 219 acres ..... farms	1,706	495	1,215	3,754	151
acres harvested	108,751	52,697	47,661	418,008	13,788
220 to 259 acres ..... farms	1,321	376	868	3,169	172
acres harvested	105,463	50,017	43,808	444,327	21,382
260 to 499 acres ..... farms	3,474	1,196	2,001	8,900	588
acres harvested	391,130	251,995	144,340	2,003,377	93,092
500 to 999 acres ..... farms	1,799	1,094	849	4,013	659
acres harvested	437,735	478,158	111,100	1,951,897	176,980
1,000 to 1,999 acres ..... farms	877	888	254	1,375	532
acres harvested	527,187	768,276	62,898	1,434,508	211,672
2,000 acres or more ..... farms	342	1,320	68	546	1,522
acres harvested	460,502	2,457,089	28,570	1,425,190	942,957
2002 size of farm:					
1 to 9 acres ..... farms	1,343	3,296	404	1,616	64
acres harvested	4,221	10,431	1,308	4,924	240
10 to 49 acres ..... farms	7,824	7,216	2,853	9,067	669
acres harvested	101,681	103,468	32,263	140,985	11,070
50 to 69 acres ..... farms	3,316	1,450	1,531	3,137	162
acres harvested	69,677	48,050	25,358	92,802	4,907
70 to 99 acres ..... farms	3,885	1,409	1,973	5,895	282
acres harvested	110,076	65,516	42,217	233,938	12,484
100 to 139 acres ..... farms	3,895	1,145	2,257	6,030	186
acres harvested	145,278	76,017	59,257	354,327	10,929
140 to 179 acres ..... farms	2,811	889	1,540	5,076	236
acres harvested	132,801	79,887	51,905	424,865	17,342
180 to 219 acres ..... farms	1,929	598	1,068	4,301	170
acres harvested	118,596	68,890	44,097	489,606	14,275
220 to 259 acres ..... farms	1,512	445	839	3,520	142
acres harvested	113,444	62,239	39,690	496,808	15,234
260 to 499 acres ..... farms	3,986	1,514	2,129	9,927	609
acres harvested	444,873	330,386	146,173	2,160,877	103,483
500 to 999 acres ..... farms	1,981	1,299	883	4,302	580
acres harvested	456,988	559,972	110,643	1,960,204	158,897
1,000 to 1,999 acres ..... farms	967	1,113	278	1,381	509
acres harvested	515,803	926,455	66,410	1,375,385	194,237
2,000 acres or more ..... farms	342	1,428	72	489	1,394
acres harvested	410,338	2,563,323	29,314	1,193,362	755,611
HARVESTED CROPLAND BY ACRES HARVESTED					
2007 acres harvested:					
1 to 9 acres ..... farms	5,450	6,536	3,224	7,755	310
acres	25,634	25,074	(D)	35,439	1,555
10 to 19 acres ..... farms	5,949	3,150	4,358	6,456	418
acres	78,438	41,589	56,968	86,361	5,590
20 to 29 acres ..... farms	4,229	1,708	2,942	4,392	336
acres	96,288	38,855	66,107	102,014	7,674
30 to 49 acres ..... farms	4,876	1,857	3,123	6,081	603
acres	178,400	68,270	113,713	228,216	22,421
50 to 99 acres ..... farms	4,749	1,813	2,370	8,529	895
acres	317,759	122,824	153,327	601,678	61,409
100 to 199 acres ..... farms	2,771	1,366	1,029	8,988	907
acres	362,482	187,014	130,169	1,272,336	122,594
200 to 499 acres ..... farms	1,667	1,406	381	8,173	1,239
acres	488,822	440,532	104,142	2,449,773	376,717
500 to 999 acres ..... farms	481	964	51	2,416	542
acres	324,633	690,131	33,257	1,652,734	365,059
1,000 acres or more ..... farms	391	1,291	16	1,315	323
acres	672,541	2,772,880	(D)	2,456,077	573,221
2002 acres harvested:					
1 to 9 acres ..... farms	6,579	6,406	3,212	6,370	314
acres	29,081	25,011	(D)	28,579	1,597
10 to 19 acres ..... farms	6,391	3,246	3,717	5,935	398
acres	84,854	42,376	48,611	79,514	5,326
20 to 29 acres ..... farms	4,518	1,749	2,459	4,232	323
acres	103,618	39,778	55,329	97,791	7,371
30 to 49 acres ..... farms	5,419	2,142	2,733	6,221	568
acres	198,973	78,489	99,087	233,876	20,970
50 to 99 acres ..... farms	5,185	2,179	2,270	9,068	788
acres	345,115	149,446	147,689	639,576	53,962
100 to 199 acres ..... farms	3,001	1,706	986	10,462	817
acres	392,471	234,769	124,549	1,485,901	110,063
200 to 499 acres ..... farms	1,825	1,783	390	8,917	1,053
acres	534,035	560,502	107,232	2,640,743	320,722
500 to 999 acres ..... farms	515	1,146	45	2,355	466
acres	345,759	825,576	30,565	1,599,873	311,470
1,000 acres or more ..... farms	358	1,445	15	1,181	276
acres	589,870	2,938,687	(D)	2,122,230	467,228

Table 10. **Irrigation: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Farms ..... number, 2007	301,028	2,035	184	5,094	5,393	53,400
2002	299,583	1,698	150	4,172	5,847	55,596
Land in irrigated farms .....acres, 2007	231,003,205	751,005	71,074	2,692,407	6,430,100	16,231,930
2002	243,442,396	634,369	24,230	12,944,463	6,503,056	17,587,694
Harvested cropland .....farms, 2007	259,591	1,801	175	3,849	5,347	45,769
2002	261,842	1,589	144	3,139	5,809	48,558
acres, 2007	86,529,391	377,570	6,720	827,581	5,755,725	7,465,841
2002	79,050,919	314,127	5,369	887,966	5,704,390	8,278,282
Other cropland, excluding cropland pastured .....farms, 2007	62,617	619	53	756	863	6,318
2002	73,813	510	49	851	1,235	7,640
acres, 2007	11,875,921	37,864	4,675	132,679	101,349	620,748
2002	15,193,989	35,515	7,359	136,510	175,727	736,622
Pastureland, excluding woodland pastured .....farms, 2007	144,856	1,048	41	1,860	1,211	15,458
2002	135,998	824	34	1,829	1,154	12,704
acres, 2007	113,241,325	115,863	(D)	(D)	207,143	6,630,443
2002	128,409,896	105,737	2,986	11,181,215	179,305	7,063,737
Irrigated land .....acres, 2007	56,599,305	112,819	3,730	876,158	4,460,682	8,016,159
2002	55,311,236	108,783	2,742	931,735	4,149,766	8,709,353
Harvested cropland .....farms, 2007	256,105	1,740	174	3,835	5,327	45,412
2002	258,030	1,550	142	3,139	5,780	48,133
acres, 2007	51,537,104	106,925	(D)	823,468	4,455,478	7,274,248
2002	50,334,022	101,965	(D)	887,966	4,144,606	7,949,051
Pastureland and other land .....farms, 2007	72,585	358	13	1,519	131	10,546
2002	69,568	207	11	1,445	119	10,041
acres, 2007	5,062,201	5,894	(D)	52,690	5,204	741,911
2002	4,977,214	6,818	(D)	43,769	5,160	760,302
2007 irrigated acres by size of farm:						
1 to 9 acres ..... farms	60,926	317	78	2,444	210	15,614
acres irrigated	174,275	700	(D)	5,716	448	47,640
10 to 49 acres ..... farms	81,444	659	42	1,168	518	18,690
acres irrigated	1,015,333	3,560	89	14,754	5,975	297,094
50 to 69 acres ..... farms	13,514	122	12	117	142	2,560
acres irrigated	368,738	1,199	109	3,824	3,894	102,227
70 to 99 acres ..... farms	15,180	141	7	184	212	2,462
acres irrigated	590,571	2,009	(D)	6,639	8,515	143,394
100 to 139 acres ..... farms	12,908	119	9	132	192	2,038
acres irrigated	680,824	2,298	214	7,843	11,190	166,382
140 to 179 acres ..... farms	11,013	92	8	110	177	1,608
acres irrigated	834,371	2,226	199	8,559	14,214	176,842
180 to 219 acres ..... farms	7,042	60	-	62	118	1,117
acres irrigated	635,717	2,302	-	5,590	10,657	158,398
220 to 259 acres ..... farms	5,954	55	3	46	122	932
acres irrigated	681,808	3,214	(D)	5,117	14,151	159,057
260 to 499 acres ..... farms	22,281	144	11	177	547	2,977
acres irrigated	3,816,440	8,072	347	38,708	111,820	771,942
500 to 999 acres ..... farms	24,072	110	8	244	923	2,401
acres irrigated	7,842,051	16,243	987	104,742	455,445	1,208,174
1,000 to 1,999 acres ..... farms	21,330	111	3	182	1,124	1,563
acres irrigated	12,144,224	20,964	(D)	167,021	1,150,230	1,418,462
2,000 acres or more ..... farms	25,364	105	3	228	1,108	1,438
acres irrigated	27,814,953	50,032	(D)	507,645	2,674,143	3,366,547
2002 irrigated acres by size of farm:						
1 to 9 acres ..... farms	53,732	275	57	1,315	135	13,346
acres irrigated	154,680	495	80	3,840	255	41,746
10 to 49 acres ..... farms	78,883	475	37	1,120	392	19,761
acres irrigated	1,038,782	3,032	88	15,151	4,277	344,032
50 to 69 acres ..... farms	14,279	102	5	136	140	3,113
acres irrigated	401,428	1,194	31	4,322	3,465	131,792
70 to 99 acres ..... farms	15,827	115	7	182	237	3,047
acres irrigated	629,402	1,452	(D)	6,330	9,052	184,127
100 to 139 acres ..... farms	13,574	107	8	154	222	2,630
acres irrigated	741,245	1,708	208	9,513	10,308	226,871
140 to 179 acres ..... farms	11,817	87	10	131	210	1,943
acres irrigated	908,127	2,365	348	11,029	15,729	222,968
180 to 219 acres ..... farms	7,797	55	2	78	150	1,297
acres irrigated	718,849	1,506	(D)	8,118	13,881	186,331
220 to 259 acres ..... farms	6,577	41	3	66	161	1,073
acres irrigated	754,019	2,949	(D)	9,441	20,607	189,214
260 to 499 acres ..... farms	24,993	147	9	244	716	3,463
acres irrigated	4,329,539	8,914	339	55,325	148,903	919,904
500 to 999 acres ..... farms	26,253	129	8	295	1,142	2,695
acres irrigated	8,541,152	15,870	458	135,670	525,748	1,367,518
1,000 to 1,999 acres ..... farms	22,624	85	1	225	1,346	1,711
acres irrigated	12,631,088	22,272	(D)	202,049	1,259,023	1,528,973
2,000 acres or more ..... farms	23,227	80	3	226	996	1,517
acres irrigated	24,462,925	47,026	(D)	470,947	2,138,518	3,365,877

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Farms ..... number, 2007	15,774	789	560	12,868	5,716	2,810
2002	13,623	801	439	13,456	5,369	2,231
Land in irrigated farms ..... acres, 2007	14,237,479	57,519	283,829	4,116,545	3,439,646	388,891
2002	12,864,432	64,114	292,219	4,709,504	3,076,482	269,371
Harvested cropland ..... farms, 2007	12,938	775	532	11,416	5,316	2,729
2002	11,190	791	436	12,432	5,068	2,180
acres, 2007	3,526,000	28,519	257,409	1,620,290	1,989,358	60,557
2002	2,840,736	30,176	260,802	1,880,515	1,674,371	66,479
Other cropland, excluding cropland pastured ..... farms, 2007	3,725	197	67	1,110	1,388	647
2002	4,659	255	86	1,374	1,472	514
acres, 2007	1,218,236	4,468	2,385	128,910	137,740	43,483
2002	1,690,786	6,497	5,843	157,746	132,934	50,851
Pastureland, excluding woodland pastured ..... farms, 2007	10,539	217	97	4,029	2,546	402
2002	8,582	212	74	3,432	2,232	270
acres, 2007	8,190,902	3,206	2,409	1,302,384	273,819	177,055
2002	7,039,625	3,564	1,329	1,509,208	251,790	86,838
Irrigated land ..... acres, 2007	2,867,957	9,901	104,562	1,552,118	1,017,773	58,635
2002	2,590,654	10,139	97,167	1,815,174	870,810	69,194
Harvested cropland ..... farms, 2007	12,786	759	532	11,288	5,204	2,719
2002	11,039	783	435	12,325	4,945	2,174
acres, 2007	2,296,765	9,738	104,063	1,424,396	987,160	47,825
2002	2,178,748	10,010	97,024	1,696,259	848,024	58,691
Pastureland and other land ..... farms, 2007	6,220	37	36	1,891	783	173
2002	5,373	21	15	1,403	636	111
acres, 2007	571,192	163	499	127,722	30,613	10,810
2002	411,906	129	143	118,915	22,786	10,503
2007 irrigated acres by size of farm:						
1 to 9 acres ..... farms	1,830	276	155	4,652	561	1,878
acres irrigated	6,704	446	264	13,601	1,203	3,700
10 to 49 acres ..... farms	4,068	271	87	4,753	1,071	750
acres irrigated	65,268	932	1,226	57,360	7,607	4,845
50 to 69 acres ..... farms	738	52	14	569	260	44
acres irrigated	25,246	393	526	19,504	3,688	652
70 to 99 acres ..... farms	1,125	49	32	436	284	30
acres irrigated	53,372	519	1,352	20,932	6,893	522
100 to 139 acres ..... farms	763	48	18	406	275	23
acres irrigated	50,224	554	1,265	25,130	9,527	663
140 to 179 acres ..... farms	819	23	10	254	250	15
acres irrigated	70,493	393	583	21,614	10,027	851
180 to 219 acres ..... farms	476	15	9	171	216	8
acres irrigated	51,661	709	806	18,288	12,197	(D)
220 to 259 acres ..... farms	366	4	8	136	174	2
acres irrigated	45,691	126	686	17,044	15,282	(D)
260 to 499 acres ..... farms	1,494	32	66	476	763	16
acres irrigated	277,505	2,251	9,643	88,842	93,251	1,407
500 to 999 acres ..... farms	1,307	11	56	388	866	10
acres irrigated	401,302	1,960	16,419	117,753	189,307	3,118
1,000 to 1,999 acres ..... farms	1,106	6	67	278	596	10
acres irrigated	531,877	(D)	37,642	154,210	264,530	1,294
2,000 acres or more ..... farms	1,682	2	38	349	400	24
acres irrigated	1,288,614	(D)	34,150	997,840	404,261	41,161
2002 irrigated acres by size of farm:						
1 to 9 acres ..... farms	1,305	278	47	4,155	626	1,527
acres irrigated	5,075	421	89	12,351	1,271	2,971
10 to 49 acres ..... farms	3,531	274	72	4,931	961	531
acres irrigated	58,232	1,092	707	66,396	7,128	3,880
50 to 69 acres ..... farms	622	55	18	717	321	44
acres irrigated	21,435	416	392	24,108	5,492	760
70 to 99 acres ..... farms	961	39	17	606	312	24
acres irrigated	45,259	305	623	28,930	6,887	450
100 to 139 acres ..... farms	633	43	24	518	304	25
acres irrigated	41,900	698	1,077	32,378	9,005	833
140 to 179 acres ..... farms	721	26	17	339	242	13
acres irrigated	62,988	246	1,105	27,463	8,758	922
180 to 219 acres ..... farms	441	12	17	219	187	12
acres irrigated	45,448	425	1,387	24,427	9,783	653
220 to 259 acres ..... farms	372	10	12	168	170	6
acres irrigated	46,859	(D)	1,036	23,080	11,727	595
260 to 499 acres ..... farms	1,325	37	66	639	608	13
acres irrigated	241,533	2,561	9,293	108,156	65,940	1,364
500 to 999 acres ..... farms	1,239	19	47	449	720	10
acres irrigated	395,579	2,398	11,985	149,203	147,807	1,537
1,000 to 1,999 acres ..... farms	1,050	7	61	336	545	9
acres irrigated	508,699	1,252	31,486	200,675	239,206	5,058
2,000 acres or more ..... farms	1,423	1	41	379	373	17
acres irrigated	1,117,647	(D)	37,987	1,118,007	357,806	50,171

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Farms ..... number, 2007	16,124	2,388	2,391	1,287	5,957	2,980
2002	15,901	2,031	2,212	976	5,915	3,606
Land in irrigated farms .....acres, 2007	7,365,264	1,696,666	1,688,753	794,566	12,750,857	802,052
2002	7,679,606	1,410,137	1,257,063	577,230	11,653,949	873,591
Harvested cropland .....farms, 2007	11,106	2,343	2,332	1,264	5,895	2,964
2002	10,507	2,024	2,159	948	5,899	3,599
acres, 2007	3,178,537	1,555,043	1,564,502	705,907	7,219,588	459,843
2002	3,144,393	1,243,224	1,118,475	509,245	5,754,977	405,605
Other cropland, excluding cropland pastured .....farms, 2007	2,427	510	420	281	3,423	913
2002	2,509	629	537	223	3,818	1,106
acres, 2007	465,567	29,246	14,050	17,048	2,000,810	26,690
2002	448,534	34,502	29,342	14,825	2,530,690	38,569
Pastureland, excluding woodland pastured .....farms, 2007	11,128	500	673	352	3,592	1,757
2002	11,377	385	621	265	3,456	2,155
acres, 2007	3,307,579	22,884	24,072	32,659	3,195,474	173,126
2002	3,585,074	25,772	21,187	20,333	3,045,054	261,894
Irrigated land .....acres, 2007	3,299,889	474,454	397,113	189,518	2,762,748	58,730
2002	3,288,522	390,843	313,130	142,109	2,678,277	36,751
Harvested cropland .....farms, 2007	10,992	2,327	2,295	1,258	5,876	2,948
2002	10,301	2,021	2,122	934	5,891	3,598
acres, 2007	2,867,218	473,081	395,708	188,765	2,728,874	58,221
2002	2,829,982	390,480	311,963	141,438	2,665,750	36,718
Pastureland and other land .....farms, 2007	8,852	92	129	43	234	49
2002	9,650	18	121	45	53	10
acres, 2007	432,671	1,373	1,405	753	33,874	509
2002	458,540	363	1,167	671	12,527	33
2007 irrigated acres by size of farm:						
1 to 9 acres ..... farms	3,516	527	482	263	200	374
acres irrigated	13,992	868	824	409	369	658
10 to 49 acres ..... farms	5,043	357	440	191	277	745
acres irrigated	84,615	1,956	2,199	846	1,915	2,988
50 to 69 acres ..... farms	674	64	96	42	45	223
acres irrigated	27,518	1,145	1,344	740	850	1,192
70 to 99 acres ..... farms	904	84	92	47	96	236
acres irrigated	50,969	2,288	2,273	822	2,923	1,324
100 to 139 acres ..... farms	737	79	102	56	78	258
acres irrigated	56,630	2,814	3,436	3,208	4,680	2,181
140 to 179 acres ..... farms	620	62	67	63	152	178
acres irrigated	66,424	3,649	3,202	2,874	11,541	1,792
180 to 219 acres ..... farms	394	42	40	23	81	160
acres irrigated	54,518	2,957	2,611	1,100	6,384	1,779
220 to 259 acres ..... farms	349	51	61	26	98	114
acres irrigated	52,728	3,611	4,939	1,253	10,134	1,187
260 to 499 acres ..... farms	1,200	190	191	109	522	327
acres irrigated	283,406	25,161	21,998	12,035	78,341	6,022
500 to 999 acres ..... farms	1,132	348	242	193	854	204
acres irrigated	485,688	93,030	55,235	39,353	220,850	8,227
1,000 to 1,999 acres ..... farms	742	336	296	176	1,313	100
acres irrigated	567,058	148,123	114,833	60,091	506,964	7,313
2,000 acres or more ..... farms	813	248	282	98	2,241	61
acres irrigated	1,556,343	188,852	184,219	66,787	1,917,797	24,067
2002 irrigated acres by size of farm:						
1 to 9 acres ..... farms	3,249	308	412	182	185	476
acres irrigated	12,964	508	645	227	334	846
10 to 49 acres ..... farms	4,856	341	470	162	204	743
acres irrigated	81,894	1,879	2,131	848	1,748	2,359
50 to 69 acres ..... farms	668	62	78	19	48	270
acres irrigated	27,108	836	670	210	961	998
70 to 99 acres ..... farms	895	77	109	35	103	307
acres irrigated	50,085	2,067	1,826	439	3,304	1,165
100 to 139 acres ..... farms	709	84	79	35	84	326
acres irrigated	55,626	3,415	1,369	505	4,038	1,977
140 to 179 acres ..... farms	634	84	76	38	150	231
acres irrigated	68,266	4,758	3,215	1,486	11,899	1,399
180 to 219 acres ..... farms	430	46	47	22	65	207
acres irrigated	54,490	3,604	2,799	1,364	5,146	1,415
220 to 259 acres ..... farms	347	48	50	24	84	170
acres irrigated	56,650	4,202	3,570	2,816	8,337	1,248
260 to 499 acres ..... farms	1,257	184	200	104	518	471
acres irrigated	301,772	24,335	21,733	10,524	73,470	5,526
500 to 999 acres ..... farms	1,186	310	252	155	943	255
acres irrigated	515,321	73,266	50,279	27,742	246,939	5,655
1,000 to 1,999 acres ..... farms	847	306	270	138	1,474	105
acres irrigated	652,532	128,242	103,241	49,727	571,240	5,669
2,000 acres or more ..... farms	823	181	169	62	2,057	45
acres irrigated	1,411,814	143,731	121,652	46,221	1,750,861	8,494

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Farms ..... number, 2007	3,218	901	1,326	1,630	5,078	2,918
2002	3,496	1,031	1,265	1,580	4,413	2,433
Land in irrigated farms ..... acres, 2007	2,366,975	228,468	378,351	111,632	1,759,261	1,715,496
2002	2,532,446	239,801	351,861	118,992	1,563,762	1,432,119
Harvested cropland ..... farms, 2007	2,769	883	1,296	1,566	4,832	2,830
2002	3,349	1,017	1,227	1,560	4,301	2,369
acres, 2007	1,648,217	77,847	291,234	41,494	1,434,358	1,416,247
2002	1,618,584	61,352	263,648	43,445	1,249,184	1,157,046
Other cropland, excluding cropland pastured ..... farms, 2007	867	280	387	358	1,576	869
2002	1,364	364	398	408	1,539	739
acres, 2007	282,069	11,012	11,356	4,928	61,084	55,139
2002	415,942	21,947	12,793	5,999	71,850	73,115
Pastureland, excluding woodland pastured ..... farms, 2007	1,206	280	461	390	1,372	1,012
2002	1,032	313	374	319	1,021	736
acres, 2007	229,357	5,360	(D)	5,548	35,677	78,350
2002	254,694	5,715	9,058	4,816	32,322	59,869
Irrigated land ..... acres, 2007	954,353	20,994	92,805	23,133	500,428	506,357
2002	938,841	19,703	80,828	23,720	456,278	454,850
Harvested cropland ..... farms, 2007	2,682	873	1,284	1,543	4,728	2,787
2002	3,282	1,013	1,220	1,548	4,244	2,330
acres, 2007	910,458	20,799	91,926	22,662	496,295	499,583
2002	928,050	19,592	79,858	23,509	453,968	449,734
Pastureland and other land ..... farms, 2007	613	36	74	112	444	198
2002	273	35	81	48	235	141
acres, 2007	43,895	195	879	471	4,133	6,774
2002	10,791	111	970	211	2,310	5,116
2007 irrigated acres by size of farm:						
1 to 9 acres ..... farms	376	269	271	506	785	283
acres irrigated	953	371	428	934	1,465	486
10 to 49 acres ..... farms	604	235	350	611	1,655	532
acres irrigated	6,635	515	2,121	3,417	8,498	2,698
50 to 69 acres ..... farms	145	65	96	127	299	91
acres irrigated	3,808	125	789	1,548	3,490	1,097
70 to 99 acres ..... farms	140	67	71	92	348	134
acres irrigated	3,981	334	873	1,585	6,977	2,719
100 to 139 acres ..... farms	159	82	86	90	283	114
acres irrigated	8,616	432	2,409	1,901	7,264	3,640
140 to 179 acres ..... farms	155	27	50	47	199	144
acres irrigated	11,026	177	1,503	1,102	7,509	7,259
180 to 219 acres ..... farms	81	25	45	45	144	84
acres irrigated	6,623	223	2,108	1,876	8,001	4,991
220 to 259 acres ..... farms	88	23	38	32	107	115
acres irrigated	9,488	579	2,057	(D)	7,478	10,646
260 to 499 acres ..... farms	285	48	105	46	388	450
acres irrigated	51,449	757	11,221	3,423	40,179	52,220
500 to 999 acres ..... farms	374	23	110	21	383	445
acres irrigated	117,310	1,463	21,055	1,844	84,206	101,912
1,000 to 1,999 acres ..... farms	452	21	65	12	284	328
acres irrigated	290,080	2,410	25,200	3,988	122,055	131,795
2,000 acres or more ..... farms	359	16	39	1	203	198
acres irrigated	444,384	13,608	23,041	(D)	203,306	186,894
2002 irrigated acres by size of farm:						
1 to 9 acres ..... farms	406	301	272	466	581	277
acres irrigated	892	417	406	919	996	448
10 to 49 acres ..... farms	576	285	361	562	1,317	411
acres irrigated	5,598	626	1,739	3,669	7,359	1,956
50 to 69 acres ..... farms	151	68	77	123	266	80
acres irrigated	3,173	179	697	1,381	3,503	1,070
70 to 99 acres ..... farms	129	71	81	91	326	120
acres irrigated	4,268	342	768	1,379	5,439	1,768
100 to 139 acres ..... farms	165	79	64	94	248	79
acres irrigated	8,336	320	1,610	1,719	6,434	2,131
140 to 179 acres ..... farms	100	47	48	77	191	117
acres irrigated	5,835	556	1,846	2,202	7,576	6,935
180 to 219 acres ..... farms	91	38	34	46	136	86
acres irrigated	8,143	711	1,760	1,989	7,029	7,880
220 to 259 acres ..... farms	101	29	31	29	116	104
acres irrigated	11,019	(D)	1,508	(D)	8,167	9,384
260 to 499 acres ..... farms	369	45	103	59	403	366
acres irrigated	64,210	1,298	10,569	4,146	39,398	46,584
500 to 999 acres ..... farms	546	28	89	21	372	335
acres irrigated	175,285	1,117	14,586	1,948	83,180	74,417
1,000 to 1,999 acres ..... farms	516	27	64	11	278	296
acres irrigated	287,377	3,512	22,705	2,107	114,730	122,210
2,000 acres or more ..... farms	346	13	41	1	179	162
acres irrigated	364,705	(D)	22,634	(D)	172,467	180,067

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Farms ..... number, 2007	2,284	3,613	10,457	17,128	2,054	505
2002	2,235	3,304	10,150	17,970	1,981	451
Land in irrigated farms .....acres, 2007	2,741,290	3,003,497	23,982,172	26,065,265	4,671,396	33,983
2002	2,556,788	2,534,396	21,561,740	24,809,923	5,584,482	42,964
Harvested cropland .....farms, 2007	2,223	3,495	8,345	16,814	1,572	497
2002	2,150	3,220	8,307	17,667	1,515	443
acres, 2007	2,402,403	2,564,142	3,198,994	13,105,563	504,311	9,732
2002	2,151,695	2,206,126	2,985,455	11,541,865	549,055	11,173
Other cropland, excluding cropland pastured .....farms, 2007	449	786	2,329	4,244	370	126
2002	595	713	2,531	6,285	407	144
acres, 2007	47,212	52,741	1,317,298	905,410	53,531	1,519
2002	106,649	41,541	1,352,187	1,394,867	71,153	1,546
Pastureland, excluding woodland pastured .....farms, 2007	576	1,455	8,301	9,902	1,293	161
2002	615	1,069	8,059	10,449	1,344	112
acres, 2007	61,465	196,269	18,314,254	11,426,435	3,894,053	1,946
2002	61,305	129,616	16,075,150	11,234,881	4,565,728	1,312
Irrigated land .....acres, 2007	1,368,661	1,199,981	2,013,167	8,558,559	691,030	2,482
2002	1,175,530	1,032,973	1,976,111	7,625,170	746,653	2,292
Harvested cropland .....farms, 2007	2,199	3,407	8,201	16,759	1,570	493
2002	2,129	3,182	8,150	17,613	1,515	440
acres, 2007	1,364,157	1,190,101	1,558,122	8,448,373	502,978	2,417
2002	1,174,964	1,027,214	1,556,656	7,506,900	534,652	2,256
Pastureland and other land .....farms, 2007	104	266	4,536	1,345	916	16
2002	126	191	4,414	1,191	906	16
acres, 2007	4,504	9,880	455,045	110,186	188,052	65
2002	566	5,759	419,455	118,270	212,001	36
2007 irrigated acres by size of farm:						
1 to 9 acres ..... farms	211	293	814	286	256	179
acres irrigated	451	524	2,913	605	867	265
10 to 49 acres ..... farms	365	596	2,587	534	570	169
acres irrigated	3,400	3,593	40,098	7,680	9,759	410
50 to 69 acres ..... farms	87	140	430	174	106	39
acres irrigated	1,966	1,784	14,056	6,786	3,583	139
70 to 99 acres ..... farms	96	223	517	396	115	22
acres irrigated	1,854	4,141	24,062	22,263	5,263	121
100 to 139 acres ..... farms	104	184	439	359	100	23
acres irrigated	3,279	4,989	26,402	27,886	7,193	269
140 to 179 acres ..... farms	73	135	435	789	75	17
acres irrigated	4,738	9,085	33,865	87,850	7,121	200
180 to 219 acres ..... farms	49	116	286	321	69	18
acres irrigated	3,756	6,034	25,555	38,474	8,024	105
220 to 259 acres ..... farms	34	72	237	447	38	7
acres irrigated	3,174	7,044	26,060	63,828	6,004	(D)
260 to 499 acres ..... farms	163	321	830	2,494	147	18
acres irrigated	19,082	39,201	138,987	534,273	34,799	667
500 to 999 acres ..... farms	262	442	825	4,101	181	12
acres irrigated	84,080	130,640	220,739	1,620,873	77,204	279
1,000 to 1,999 acres ..... farms	342	631	773	3,838	141	1
acres irrigated	251,225	399,074	269,135	2,535,227	95,859	(D)
2,000 acres or more ..... farms	498	460	2,284	3,389	256	-
acres irrigated	991,656	593,872	1,191,295	3,612,814	435,354	-
2002 irrigated acres by size of farm:						
1 to 9 acres ..... farms	201	273	651	210	167	114
acres irrigated	409	423	2,376	514	603	(D)
10 to 49 acres ..... farms	353	473	2,291	462	519	149
acres irrigated	2,741	2,677	36,017	7,277	9,221	434
50 to 69 acres ..... farms	109	157	420	157	87	34
acres irrigated	1,370	1,818	14,389	6,029	3,296	143
70 to 99 acres ..... farms	112	175	500	422	105	32
acres irrigated	1,389	2,923	24,197	24,436	5,646	117
100 to 139 acres ..... farms	104	146	467	333	82	29
acres irrigated	2,426	4,270	29,308	25,059	6,582	170
140 to 179 acres ..... farms	96	149	429	848	87	25
acres irrigated	4,301	7,919	36,159	91,828	8,456	174
180 to 219 acres ..... farms	71	89	284	442	59	18
acres irrigated	2,877	6,913	28,031	52,269	8,334	116
220 to 259 acres ..... farms	42	71	265	507	58	5
acres irrigated	2,400	6,331	34,549	71,330	7,591	(D)
260 to 499 acres ..... farms	168	372	906	2,986	172	25
acres irrigated	25,501	51,050	159,671	618,677	36,351	457
500 to 999 acres ..... farms	199	478	872	4,652	185	19
acres irrigated	67,109	155,359	242,324	1,726,452	70,211	508
1,000 to 1,999 acres ..... farms	318	574	865	4,049	156	1
acres irrigated	225,093	331,384	294,307	2,487,211	102,222	(D)
2,000 acres or more ..... farms	462	347	2,200	2,902	304	-
acres irrigated	839,914	461,906	1,074,783	2,514,088	488,140	-

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Farms ..... number, 2007	2,055	10,167	3,036	5,788	795	2,402
2002	2,124	8,282	3,307	6,721	659	2,623
Land in irrigated farms ..... acres, 2007	250,107	13,362,070	482,277	1,706,053	2,149,466	304,398
2002	270,728	15,650,956	502,692	2,086,433	1,600,406	333,736
Harvested cropland ..... farms, 2007	1,981	8,543	2,884	5,385	783	2,334
2002	2,075	6,576	3,209	6,409	657	2,584
acres, 2007	165,499	789,970	277,238	970,696	1,209,205	214,716
2002	164,319	723,037	290,712	1,033,638	827,939	228,569
Other cropland, excluding cropland pastured ..... farms, 2007	550	2,194	1,154	1,697	390	709
2002	600	1,915	1,239	2,258	365	773
acres, 2007	11,886	206,560	38,250	77,334	146,869	12,283
2002	15,762	309,978	48,060	138,969	140,229	18,380
Pastureland, excluding woodland pastured ..... farms, 2007	485	4,910	997	2,395	472	872
2002	458	4,295	929	2,855	382	765
acres, 2007	(D)	10,127,169	26,007	126,433	727,967	19,186
2002	7,050	12,357,633	30,706	155,734	576,458	17,642
Irrigated land ..... acres, 2007	95,277	830,048	68,010	232,075	236,138	37,959
2002	96,893	844,799	74,663	264,057	202,817	40,685
Harvested cropland ..... farms, 2007	1,960	8,492	2,853	5,248	769	2,297
2002	2,041	6,481	3,162	6,258	654	2,561
acres, 2007	94,121	648,272	65,891	208,213	233,171	37,050
2002	95,793	654,172	68,914	238,345	201,019	39,881
Pastureland and other land ..... farms, 2007	136	2,918	229	792	47	124
2002	131	3,018	199	721	14	67
acres, 2007	1,156	181,776	2,119	23,862	2,967	909
2002	1,100	190,627	5,749	25,712	1,798	804
2007 irrigated acres by size of farm:						
1 to 9 acres ..... farms	600	3,318	696	755	35	702
acres irrigated	1,416	10,982	1,224	1,402	(D)	1,084
10 to 49 acres ..... farms	742	3,077	928	1,779	43	862
acres irrigated	5,100	41,331	4,702	10,575	224	2,859
50 to 69 acres ..... farms	115	403	265	500	15	150
acres irrigated	2,310	13,070	2,319	7,058	402	1,195
70 to 99 acres ..... farms	106	432	253	432	2	164
acres irrigated	3,404	17,315	3,400	7,276	(D)	1,317
100 to 139 acres ..... farms	102	351	252	390	6	142
acres irrigated	4,416	18,433	4,174	9,645	263	1,927
140 to 179 acres ..... farms	65	284	146	252	10	78
acres irrigated	3,233	16,249	2,919	7,892	223	1,066
180 to 219 acres ..... farms	38	179	95	222	9	43
acres irrigated	3,673	13,190	2,974	8,761	794	854
220 to 259 acres ..... farms	37	145	56	144	8	28
acres irrigated	5,099	13,044	2,214	6,295	1,122	862
260 to 499 acres ..... farms	119	477	187	466	37	86
acres irrigated	17,179	63,307	12,512	26,281	6,753	2,975
500 to 999 acres ..... farms	78	486	89	390	81	86
acres irrigated	20,915	102,784	7,070	40,716	18,066	8,197
1,000 to 1,999 acres ..... farms	43	366	33	280	155	41
acres irrigated	18,322	122,310	7,133	40,116	43,623	4,597
2,000 acres or more ..... farms	10	649	36	178	394	20
acres irrigated	10,210	398,033	17,369	66,058	164,485	11,026
2002 irrigated acres by size of farm:						
1 to 9 acres ..... farms	552	2,794	880	816	26	782
acres irrigated	1,216	9,339	1,413	1,499	40	1,279
10 to 49 acres ..... farms	751	2,225	940	1,692	31	885
acres irrigated	4,934	29,962	4,566	10,991	250	3,182
50 to 69 acres ..... farms	149	305	264	612	4	151
acres irrigated	2,743	10,047	1,851	7,221	92	954
70 to 99 acres ..... farms	109	367	220	532	1	215
acres irrigated	3,292	14,447	2,937	9,733	(D)	1,771
100 to 139 acres ..... farms	127	281	244	512	3	130
acres irrigated	5,297	16,852	4,056	11,704	(D)	1,292
140 to 179 acres ..... farms	76	255	159	351	13	90
acres irrigated	4,963	19,818	2,676	9,708	741	1,100
180 to 219 acres ..... farms	46	156	122	271	6	61
acres irrigated	3,651	11,114	3,202	10,391	633	1,899
220 to 259 acres ..... farms	38	112	58	185	11	43
acres irrigated	5,066	9,527	2,279	7,798	880	773
260 to 499 acres ..... farms	134	432	230	674	28	107
acres irrigated	17,292	64,055	12,842	37,470	5,797	4,821
500 to 999 acres ..... farms	85	396	118	527	75	92
acres irrigated	22,387	106,014	10,765	41,838	21,799	9,414
1,000 to 1,999 acres ..... farms	51	341	39	351	140	48
acres irrigated	23,019	156,973	7,911	44,355	39,680	9,000
2,000 acres or more ..... farms	6	618	33	198	321	19
acres irrigated	3,033	396,651	20,165	71,349	132,703	5,200

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Farms ..... number, 2007	3,026	16,792	3,958	313	2,030
2002	2,942	17,776	4,108	264	1,918
Land in irrigated farms ..... acres, 2007	3,228,907	10,025,047	405,670	16,633	777,695
2002	3,043,519	10,773,708	453,958	17,674	634,367
Harvested cropland ..... farms, 2007	2,767	12,494	3,878	307	1,765
2002	2,776	13,102	4,052	262	1,726
acres, 2007	1,187,973	1,935,560	242,821	7,130	428,260
2002	997,608	2,012,031	269,887	7,203	284,423
Other cropland, excluding cropland pastured ..... farms, 2007	870	2,712	1,015	66	633
2002	951	3,425	1,158	68	666
acres, 2007	265,075	399,920	22,592	1,211	42,880
2002	342,010	434,081	26,492	1,314	59,055
Pastureland, excluding woodland pastured ..... farms, 2007	2,091	10,590	1,735	71	932
2002	1,972	10,955	1,537	61	825
acres, 2007	1,604,126	6,578,069	28,679	708	63,589
2002	1,553,909	6,769,873	34,353	1,003	60,955
Irrigated land ..... acres, 2007	534,768	1,845,194	37,786	4,306	132,439
2002	517,553	1,907,627	42,516	3,963	95,642
Harvested cropland ..... farms, 2007	2,645	12,095	3,830	305	1,693
2002	2,712	12,620	4,016	261	1,652
acres, 2007	481,169	1,333,741	36,759	4,266	123,413
2002	470,943	1,415,826	40,880	3,948	91,795
Pastureland and other land ..... farms, 2007	580	7,614	159	14	418
2002	372	8,312	138	6	332
acres, 2007	53,599	511,453	1,027	40	9,026
2002	46,610	491,801	1,636	15	3,847
2007 irrigated acres by size of farm:					
1 to 9 acres ..... farms	297	3,842	961	128	319
acres irrigated	627	11,403	1,489	187	693
10 to 49 acres ..... farms	535	5,631	1,295	109	679
acres irrigated	3,550	72,091	4,988	383	3,678
50 to 69 acres ..... farms	102	873	376	18	107
acres irrigated	2,245	25,557	2,463	96	857
70 to 99 acres ..... farms	208	968	416	17	125
acres irrigated	4,665	40,573	2,538	322	1,863
100 to 139 acres ..... farms	101	780	292	13	123
acres irrigated	2,776	44,822	2,762	278	2,914
140 to 179 acres ..... farms	165	660	169	5	85
acres irrigated	7,894	49,846	1,885	127	1,399
180 to 219 acres ..... farms	51	406	83	6	53
acres irrigated	2,549	34,633	1,410	458	2,328
220 to 259 acres ..... farms	67	296	59	3	35
acres irrigated	5,767	34,858	(D)	(D)	1,848
260 to 499 acres ..... farms	288	1,039	150	11	161
acres irrigated	28,258	173,015	5,395	1,464	9,961
500 to 999 acres ..... farms	356	817	97	2	115
acres irrigated	57,238	234,333	5,231	(D)	15,568
1,000 to 1,999 acres ..... farms	346	578	43	-	126
acres irrigated	104,628	289,620	4,628	-	34,092
2,000 acres or more ..... farms	510	902	17	1	102
acres irrigated	314,571	834,443	(D)	(D)	57,238
2002 irrigated acres by size of farm:					
1 to 9 acres ..... farms	291	3,941	1,092	92	294
acres irrigated	467	11,925	1,636	(D)	595
10 to 49 acres ..... farms	392	6,319	1,196	88	634
acres irrigated	2,619	79,764	5,311	231	3,863
50 to 69 acres ..... farms	72	858	344	25	143
acres irrigated	1,188	24,008	2,408	231	1,459
70 to 99 acres ..... farms	174	949	353	11	137
acres irrigated	4,015	37,947	2,721	297	1,612
100 to 139 acres ..... farms	83	850	336	14	96
acres irrigated	2,216	47,978	3,649	368	1,420
140 to 179 acres ..... farms	209	648	195	10	68
acres irrigated	10,722	50,371	2,197	155	1,213
180 to 219 acres ..... farms	84	427	116	7	66
acres irrigated	5,062	38,590	2,193	313	1,681
220 to 259 acres ..... farms	83	275	91	2	35
acres irrigated	6,134	33,773	1,574	(D)	1,453
260 to 499 acres ..... farms	347	1,154	204	10	155
acres irrigated	31,680	198,102	7,091	1,098	9,326
500 to 999 acres ..... farms	403	886	122	3	116
acres irrigated	66,785	268,987	6,399	980	13,408
1,000 to 1,999 acres ..... farms	356	564	44	1	105
acres irrigated	105,409	295,741	4,574	(D)	20,172
2,000 acres or more ..... farms	448	905	15	1	69
acres irrigated	281,256	820,441	2,763	(D)	39,440

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Farms ..... number, 2007	1,627	2,453	19,713	12,492	523
2002	1,755	2,592	21,164	11,587	508
Land in irrigated farms ..... acres, 2007	3,443,596	694,544	23,281,801	5,456,056	48,642
2002	3,436,096	512,051	22,150,941	10,124,016	51,937
Harvested cropland ..... farms, 2007	1,579	2,356	16,651	9,729	510
2002	1,699	2,529	18,153	8,973	497
acres, 2007	1,495,327	455,071	8,426,380	882,269	9,434
2002	1,358,662	309,080	7,254,751	877,153	12,832
Other cropland, excluding cropland pastured ..... farms, 2007	463	716	5,362	2,145	218
2002	578	648	7,165	2,609	172
acres, 2007	94,020	34,542	1,679,745	234,050	2,326
2002	193,981	24,069	2,474,586	250,674	2,398
Pastureland, excluding woodland pastured ..... farms, 2007	1,121	1,307	11,520	8,540	186
2002	1,223	1,192	11,469	7,965	216
acres, 2007	1,749,235	109,339	12,142,771	3,896,463	4,182
2002	1,766,448	99,369	11,570,059	8,462,922	4,223
Irrigated land ..... acres, 2007	373,842	81,405	5,010,416	1,134,144	2,295
2002	401,083	61,217	5,074,638	1,091,011	2,335
Harvested cropland ..... farms, 2007	1,561	2,318	16,151	9,649	508
2002	1,678	2,510	17,635	8,828	488
acres, 2007	358,807	79,150	4,621,445	787,205	2,203
2002	384,170	58,356	4,571,339	780,235	2,165
Pastureland and other land ..... farms, 2007	172	148	4,688	6,002	22
2002	177	105	4,992	5,845	25
acres, 2007	15,035	2,255	388,971	346,939	92
2002	16,913	2,861	503,299	310,776	170
2007 irrigated acres by size of farm:					
1 to 9 acres ..... farms	72	456	2,665	2,656	141
acres irrigated	137	735	7,941	10,563	198
10 to 49 acres ..... farms	114	766	4,485	4,083	183
acres irrigated	1,113	3,233	47,989	66,976	426
50 to 69 acres ..... farms	33	200	767	640	39
acres irrigated	576	1,224	16,329	23,500	158
70 to 99 acres ..... farms	33	206	739	771	39
acres irrigated	1,375	1,372	22,004	38,257	204
100 to 139 acres ..... farms	36	154	757	692	38
acres irrigated	1,588	1,929	30,654	45,049	81
140 to 179 acres ..... farms	62	94	674	534	24
acres irrigated	5,236	1,762	42,959	45,581	162
180 to 219 acres ..... farms	30	65	460	310	16
acres irrigated	2,299	1,755	28,710	32,085	91
220 to 259 acres ..... farms	26	58	339	269	10
acres irrigated	2,701	1,936	28,594	36,053	(D)
260 to 499 acres ..... farms	168	190	1,579	840	17
acres irrigated	21,817	7,657	219,954	146,640	492
500 to 999 acres ..... farms	270	107	2,126	698	11
acres irrigated	54,437	9,023	638,472	191,262	(D)
1,000 to 1,999 acres ..... farms	306	79	2,403	446	2
acres irrigated	92,257	12,344	1,295,405	165,276	(D)
2,000 acres or more ..... farms	477	78	2,719	553	3
acres irrigated	190,306	38,435	2,631,405	332,902	(D)
2002 irrigated acres by size of farm:					
1 to 9 acres ..... farms	48	661	2,435	2,427	117
acres irrigated	68	982	7,513	9,516	193
10 to 49 acres ..... farms	85	837	4,658	3,641	187
acres irrigated	773	3,335	52,065	56,842	528
50 to 69 acres ..... farms	20	164	873	598	34
acres irrigated	387	944	19,377	22,448	223
70 to 99 acres ..... farms	54	189	839	645	44
acres irrigated	2,698	1,567	26,629	32,855	315
100 to 139 acres ..... farms	29	153	837	636	27
acres irrigated	1,528	1,092	37,416	41,970	90
140 to 179 acres ..... farms	62	102	837	418	26
acres irrigated	5,210	1,718	60,355	34,190	354
180 to 219 acres ..... farms	26	61	485	347	17
acres irrigated	1,893	832	38,446	38,622	126
220 to 259 acres ..... farms	37	58	452	276	8
acres irrigated	3,179	1,177	42,085	34,860	34
260 to 499 acres ..... farms	220	156	1,957	903	30
acres irrigated	31,655	5,154	293,746	172,921	316
500 to 999 acres ..... farms	324	113	2,692	715	14
acres irrigated	69,750	10,039	829,710	204,275	151
1,000 to 1,999 acres ..... farms	396	53	2,755	443	2
acres irrigated	112,604	12,129	1,523,724	173,979	(D)
2,000 acres or more ..... farms	454	45	2,344	538	2
acres irrigated	171,338	22,248	2,143,572	268,533	(D)

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Table 10. **Irrigation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Farms ..... number, 2007	2,347	15,492	457	2,907	5,793
2002	3,331	15,534	408	2,457	5,191
Land in irrigated farms ..... acres, 2007	728,750	6,656,406	51,556	1,231,680	15,845,482
2002	987,120	7,135,008	46,432	1,182,794	16,697,040
Harvested cropland ..... farms, 2007	2,186	11,961	439	2,853	4,533
2002	3,232	12,740	393	2,412	4,189
acres, 2007	364,431	2,087,567	13,084	857,951	1,215,277
2002	384,698	2,200,711	8,911	782,690	1,064,305
Other cropland, excluding cropland pastured ..... farms, 2007	628	2,675	129	951	982
2002	1,119	3,108	106	805	1,131
acres, 2007	26,973	525,385	1,762	43,818	219,193
2002	63,254	544,637	1,886	49,630	252,103
Pastureland, excluding woodland pastured ..... farms, 2007	1,218	7,626	234	803	4,892
2002	1,809	6,770	169	661	4,441
acres, 2007	111,250	2,771,751	13,001	27,497	14,068,794
2002	179,926	3,039,722	10,242	27,006	14,865,549
Irrigated land ..... acres, 2007	82,187	1,735,917	2,189	377,291	1,550,723
2002	98,913	1,823,155	1,981	385,902	1,541,688
Harvested cropland ..... farms, 2007	2,134	11,835	427	2,826	4,511
2002	3,147	12,441	393	2,372	4,142
acres, 2007	78,675	1,589,538	(D)	373,680	1,025,182
2002	95,293	1,669,928	(D)	380,385	960,430
Pastureland and other land ..... farms, 2007	257	5,476	36	152	2,835
2002	256	5,177	17	158	2,570
acres, 2007	3,512	146,379	(D)	3,611	525,541
2002	3,620	153,227	(D)	5,517	581,258
2007 irrigated acres by size of farm:					
1 to 9 acres ..... farms	339	4,146	102	535	255
acres irrigated	623	13,573	149	821	1,042
10 to 49 acres ..... farms	636	5,617	144	699	1,099
acres irrigated	3,154	77,078	424	2,652	20,754
50 to 69 acres ..... farms	157	795	52	120	214
acres irrigated	1,106	26,085	191	934	7,841
70 to 99 acres ..... farms	151	841	26	219	390
acres irrigated	2,403	41,339	93	2,283	19,522
100 to 139 acres ..... farms	174	624	45	169	311
acres irrigated	2,488	40,721	214	3,236	19,935
140 to 179 acres ..... farms	113	494	19	111	315
acres irrigated	1,890	45,718	143	3,465	27,804
180 to 219 acres ..... farms	106	305	14	91	185
acres irrigated	3,040	36,369	(D)	4,373	19,297
220 to 259 acres ..... farms	72	248	15	65	189
acres irrigated	2,126	36,556	(D)	4,377	24,384
260 to 499 acres ..... farms	212	808	20	282	607
acres irrigated	10,307	172,134	253	24,005	109,072
500 to 999 acres ..... farms	189	728	12	265	593
acres irrigated	12,019	301,647	274	58,631	185,651
1,000 to 1,999 acres ..... farms	125	404	6	197	454
acres irrigated	19,886	312,740	(D)	84,202	213,633
2,000 acres or more ..... farms	73	482	2	154	1,181
acres irrigated	23,145	631,957	(D)	188,312	901,788
2002 irrigated acres by size of farm:					
1 to 9 acres ..... farms	394	3,579	103	456	155
acres irrigated	711	12,018	161	661	632
10 to 49 acres ..... farms	761	5,453	126	447	915
acres irrigated	4,204	81,661	369	2,079	17,065
50 to 69 acres ..... farms	215	964	31	96	210
acres irrigated	1,718	34,905	111	917	6,958
70 to 99 acres ..... farms	290	917	28	167	349
acres irrigated	3,437	48,035	(D)	1,870	18,055
100 to 139 acres ..... farms	256	697	38	134	216
acres irrigated	3,943	51,376	(D)	3,255	15,610
140 to 179 acres ..... farms	191	559	27	99	256
acres irrigated	2,975	53,559	51	3,419	23,901
180 to 219 acres ..... farms	142	389	8	99	180
acres irrigated	3,520	47,070	(D)	4,107	18,626
220 to 259 acres ..... farms	129	309	11	60	141
acres irrigated	3,316	41,853	(D)	4,078	17,556
260 to 499 acres ..... farms	398	959	19	288	613
acres irrigated	13,456	219,426	403	29,448	115,936
500 to 999 acres ..... farms	316	776	9	265	556
acres irrigated	20,209	324,225	134	55,915	172,497
1,000 to 1,999 acres ..... farms	165	431	6	208	454
acres irrigated	18,799	289,199	(D)	83,587	207,786
2,000 acres or more ..... farms	74	501	2	138	1,146
acres irrigated	22,625	619,828	(D)	196,566	927,066

Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
INVENTORY						
Cattle and calves ..... farms, 2007	963,669	23,970	130	7,716	28,292	16,638
2002	1,018,359	27,094	113	2,838	29,925	17,379
number, 2007	96,347,858	1,187,171	14,823	1,000,038	1,802,653	5,498,025
2002	95,497,994	1,437,795	12,609	841,277	1,842,273	5,234,177
Farms by inventory:						
1 to 9 ..... farms, 2007	233,078	5,978	67	4,416	5,396	6,106
2002	211,030	5,031	43	915	4,278	5,348
number, 2007	1,155,984	31,680	260	16,265	28,275	27,344
2002	1,104,588	28,642	172	4,100	24,631	25,038
10 to 19 ..... farms, 2007	174,518	5,486	20	1,368	5,518	2,681
2002	189,193	6,244	15	455	5,845	3,014
number, 2007	2,392,813	75,792	(D)	18,218	76,266	35,601
2002	2,607,827	87,623	217	5,905	81,634	40,285
20 to 49 ..... farms, 2007	240,975	6,847	20	1,004	8,593	2,719
2002	271,202	8,541	23	535	9,702	3,209
number, 2007	7,518,194	210,409	541	29,473	269,610	81,339
2002	8,480,012	265,152	748	16,920	304,473	96,961
50 to 99 ..... farms, 2007	135,117	3,091	6	337	4,669	1,187
2002	153,618	4,036	10	278	5,412	1,426
number, 2007	9,344,247	209,929	450	22,546	319,154	81,470
2002	10,648,669	274,879	703	18,556	370,887	97,596
100 to 199 ..... farms, 2007	91,193	1,540	10	204	2,548	942
2002	103,513	2,040	12	253	3,023	1,092
number, 2007	12,434,470	208,739	1,431	28,016	343,102	129,392
2002	14,078,261	270,680	1,679	34,796	400,159	149,773
200 to 499 ..... farms, 2007	59,234	791	1	183	1,152	1,049
2002	62,774	915	5	190	1,367	1,215
number, 2007	17,697,011	232,532	(D)	55,191	335,958	338,760
2002	18,563,597	262,901	1,177	57,884	389,844	386,061
500 or more ..... farms, 2007	29,554	237	6	204	416	1,954
2002	27,029	287	5	212	298	2,075
number, 2007	45,805,139	218,090	11,654	830,329	430,288	4,804,119
2002	40,015,040	247,918	7,913	703,116	270,645	4,438,463
Cows and heifers that had calved ..... farms, 2007	818,992	21,496	110	5,375	25,517	13,544
2002	864,823	23,732	103	2,244	26,837	14,586
number, 2007	42,101,375	691,911	7,045	380,804	964,483	2,503,153
2002	42,502,230	784,840	6,661	325,629	982,217	2,379,737
Beef cows ..... farms, 2007	764,984	21,415	98	5,246	25,361	11,827
2002	796,436	23,558	86	2,090	26,526	12,497
number, 2007	32,834,801	678,949	6,468	197,060	947,765	662,423
2002	33,398,271	765,901	5,408	170,865	951,803	735,045
2007 farms by inventory:						
1 to 9 ..... farms	246,863	7,181	56	3,109	6,344	5,613
number	1,160,439	36,134	210	10,918	31,920	22,706
10 to 19 ..... farms	160,005	5,032	18	864	5,555	1,934
number	2,162,448	67,732	(D)	11,187	75,646	25,251
20 to 49 ..... farms	200,840	5,689	13	647	8,087	1,902
number	6,090,407	170,954	436	18,678	245,505	56,680
50 to 99 ..... farms	84,253	2,148	4	262	3,398	896
number	5,656,207	141,578	307	17,515	223,886	59,875
100 to 199 ..... farms	43,575	910	1	157	1,404	674
number	5,753,342	118,668	(D)	21,106	180,919	89,397
200 to 499 ..... farms	23,635	403	2	138	493	555
number	6,722,106	110,340	(D)	40,085	134,537	161,965
500 or more ..... farms	5,813	52	4	69	80	253
number	5,289,852	33,543	4,525	77,571	55,352	246,549
Milk cows ..... farms, 2007	69,890	157	28	182	339	2,165
2002	91,989	223	31	274	486	2,793
number, 2007	9,266,574	12,962	577	183,744	16,718	1,840,730
2002	9,103,959	18,939	1,253	154,764	30,414	1,644,692
2007 farms by inventory:						
1 to 9 ..... farms	14,426	85	21	103	160	433
number	38,147	(D)	50	(D)	502	1,015
10 to 19 ..... farms	3,568	1	2	-	24	22
number	48,821	(D)	(D)	-	(D)	244
20 to 49 ..... farms	16,344	7	-	1	36	36
number	576,070	(D)	-	(D)	1,411	933
50 to 99 ..... farms	18,986	22	3	1	61	43
number	1,280,983	1,326	(D)	(D)	4,303	2,874
100 to 199 ..... farms	8,975	18	2	4	41	101
number	1,180,985	2,422	(D)	630	5,152	14,630
200 to 499 ..... farms	4,307	21	-	6	16	427
number	1,278,721	6,157	-	2,340	4,428	143,051
500 or more ..... farms	3,284	3	-	67	1	1,103
number	4,862,847	2,719	-	180,517	(D)	1,677,983
Other cattle (see text) ..... farms, 2007	788,633	19,164	91	5,472	23,489	13,149
2002	875,850	23,712	90	2,335	26,569	13,975
number, 2007	54,246,483	495,260	7,778	619,234	838,170	2,994,872
2002	52,995,764	652,955	5,948	515,648	860,056	2,854,440
2007 farms by inventory:						
1 to 9 ..... farms	329,593	9,472	54	3,719	10,039	6,226
number	1,386,215	40,728	173	11,912	43,170	24,106
10 to 19 ..... farms	147,914	4,273	13	771	5,240	1,862
number	1,973,684	56,935	176	9,994	69,559	24,146
20 to 49 ..... farms	155,011	3,471	9	530	5,055	1,672
number	4,684,915	100,890	282	15,262	148,804	49,331
50 to 99 ..... farms	72,829	1,108	9	176	1,816	771
number	4,904,323	73,485	607	11,714	119,952	51,993
100 to 199 ..... farms	40,703	486	-	101	769	671
number	5,433,374	63,765	-	13,271	102,080	91,252
200 to 499 ..... farms	27,467	272	5	81	363	877
number	8,131,785	75,464	(D)	23,752	105,544	270,356
500 or more ..... farms	15,116	82	1	94	207	1,070
number	27,732,187	83,993	(D)	533,329	249,061	2,483,688

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
INVENTORY						
Cattle and calves ....farms, 2007	14,685	1,210	399	21,011	20,647	1,142
2002	13,311	1,131	371	19,182	24,554	748
number, 2007	2,745,253	50,213	20,994	1,711,011	1,117,087	151,479
2002	2,656,351	54,247	22,027	1,738,874	1,272,291	154,308
Farms by inventory:						
1 to 9 .... farms, 2007	4,413	700	170	7,165	5,571	477
2002	3,252	564	134	5,753	5,068	235
number, 2007	19,816	2,966	798	36,958	29,015	2,067
2002	15,353	2,605	611	31,568	29,048	1,068
10 to 19 .... farms, 2007	2,203	203	46	4,916	4,469	197
2002	1,926	214	52	4,545	5,926	110
number, 2007	29,702	2,708	(D)	65,716	60,638	2,710
2002	26,249	2,898	697	61,455	81,816	1,412
20 to 49 .... farms, 2007	3,088	134	90	4,484	5,519	181
2002	2,997	160	79	4,169	7,454	138
number, 2007	96,588	4,086	2,925	135,719	169,850	5,317
2002	94,112	4,885	2,336	124,658	229,419	4,434
50 to 99 .... farms, 2007	1,716	73	42	1,898	2,603	96
2002	1,741	65	49	1,952	3,210	84
number, 2007	118,314	5,088	2,731	127,118	178,356	6,322
2002	121,413	4,726	3,520	132,036	218,737	5,885
100 to 199 .... farms, 2007	1,346	43	22	1,134	1,391	79
2002	1,479	58	32	1,154	1,797	73
number, 2007	184,085	6,124	3,007	151,031	189,109	10,628
2002	203,188	8,133	4,668	155,806	238,462	9,813
200 to 499 .... farms, 2007	1,088	42	26	789	831	61
2002	1,120	54	20	1,014	859	54
number, 2007	339,410	12,832	(D)	235,267	240,132	17,796
2002	338,206	16,103	6,472	314,986	253,173	16,028
500 or more .... farms, 2007	831	15	3	625	263	51
2002	796	16	5	595	240	54
number, 2007	1,957,338	16,409	3,327	959,202	249,987	106,639
2002	1,857,830	14,897	3,723	918,365	221,636	115,668
Cows and heifers that had calved ....farms, 2007	11,858	943	319	16,882	18,058	864
2002	11,052	968	305	16,112	21,994	597
number, 2007	861,958	26,667	10,194	1,062,275	631,292	88,296
2002	818,987	29,383	12,485	1,127,247	714,202	89,742
Beef cows .... farms, 2007	11,627	754	253	16,694	17,721	853
2002	10,801	737	230	15,717	21,576	578
number, 2007	735,014	5,982	3,668	942,419	554,099	86,000
2002	720,400	6,180	3,537	982,404	629,127	83,277
2007 farms by inventory:						
1 to 9 .... farms	3,959	585	152	7,484	6,201	315
number	16,421	2,158	552	33,278	30,451	1,454
10 to 19 .... farms	1,795	102	34	3,241	4,162	158
number	24,242	1,324	(D)	42,713	56,083	2,025
20 to 49 .... farms	2,662	53	54	3,148	4,545	165
number	82,645	1,569	1,496	93,192	135,821	4,857
50 to 99 .... farms	1,325	11	9	1,264	1,733	89
number	91,051	625	560	84,203	114,991	6,154
100 to 199 .... farms	956	3	3	697	716	57
number	127,946	306	(D)	92,529	93,447	7,766
200 to 499 .... farms	713	-	1	549	311	33
number	215,125	-	(D)	160,647	84,461	10,053
500 or more .... farms	217	-	-	311	53	36
number	177,584	-	-	435,857	38,845	53,691
Milk cows .... farms, 2007	449	269	83	422	639	15
2002	616	310	96	923	841	27
number, 2007	126,944	20,685	6,526	119,856	77,193	2,296
2002	98,587	23,203	8,948	144,843	85,075	6,465
2007 farms by inventory:						
1 to 9 .... farms	258	109	18	282	314	10
number	546	354	32	643	1,060	15
10 to 19 .... farms	31	17	-	8	44	-
number	416	194	-	90	541	-
20 to 49 .... farms	30	43	26	3	38	1
number	1,015	1,510	(D)	78	1,187	(D)
50 to 99 .... farms	15	37	18	11	33	-
number	1,027	2,604	1,405	806	2,362	-
100 to 199 .... farms	20	36	11	9	117	-
number	2,910	4,842	1,470	1,332	17,162	-
200 to 499 .... farms	35	21	9	35	65	2
number	12,462	5,844	2,294	11,552	19,771	(D)
500 or more .... farms	60	6	1	74	28	2
number	108,568	5,337	(D)	105,355	35,110	(D)
Other cattle (see text) .... farms, 2007	11,739	855	311	17,184	16,172	855
2002	11,127	858	264	15,762	20,449	609
number, 2007	1,883,295	23,546	10,800	648,736	485,795	63,183
2002	1,837,364	24,864	9,542	611,627	558,089	64,566
2007 farms by inventory:						
1 to 9 .... farms	5,467	535	143	9,038	7,899	480
number	21,849	1,973	549	38,185	32,868	1,874
10 to 19 .... farms	1,868	122	42	3,278	3,264	114
number	24,875	(D)	510	43,347	43,067	1,434
20 to 49 .... farms	1,889	94	68	2,769	2,911	111
number	57,206	2,838	1,827	80,491	85,797	3,296
50 to 99 .... farms	879	54	37	1,024	1,084	54
number	59,540	3,758	2,333	67,846	72,697	3,572
100 to 199 .... farms	680	29	12	536	578	35
number	92,364	3,897	1,647	69,609	75,134	4,330
200 to 499 .... farms	522	15	8	340	346	35
number	157,639	4,125	(D)	102,730	100,808	10,367
500 or more .... farms	434	6	1	199	90	26
number	1,469,822	(D)	(D)	246,528	75,424	38,310

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
INVENTORY						
Cattle and calves ..... farms, 2007	10,621	18,397	18,483	29,690	30,017	43,681
2002	10,902	19,928	20,662	32,169	32,525	47,447
number, 2007	2,236,147	1,231,105	875,350	3,982,344	6,669,163	2,395,455
2002	1,989,548	1,359,010	862,074	3,535,945	6,321,138	2,395,476
Farms by inventory:						
1 to 9 ..... farms, 2007	3,900	3,948	6,338	4,162	4,026	8,907
2002	3,126	3,748	6,531	3,586	3,826	8,526
number, 2007	17,217	19,436	30,349	20,311	20,697	46,109
2002	14,756	19,284	32,425	18,630	19,545	47,567
10 to 19 ..... farms, 2007	1,564	3,316	3,731	3,482	3,930	8,704
2002	1,741	3,413	4,423	3,650	3,978	10,246
number, 2007	20,588	45,590	51,480	49,278	54,746	121,192
2002	23,779	47,376	60,383	51,274	55,939	142,822
20 to 49 ..... farms, 2007	1,755	5,222	4,512	7,515	7,686	13,413
2002	2,103	5,760	5,409	8,484	8,305	15,837
number, 2007	54,601	164,046	138,734	242,817	246,378	421,006
2002	65,474	182,778	166,096	275,669	266,273	494,782
50 to 99 ..... farms, 2007	1,004	2,823	2,053	5,694	5,351	7,032
2002	1,273	3,346	2,412	6,899	6,231	7,272
number, 2007	69,314	192,361	140,942	398,486	372,215	481,903
2002	88,669	232,188	164,426	485,342	435,675	493,314
100 to 199 ..... farms, 2007	893	1,782	1,093	4,269	4,242	3,446
2002	1,044	2,236	1,200	5,373	4,939	3,659
number, 2007	122,421	241,668	147,270	585,742	580,245	462,468
2002	143,374	304,753	160,192	737,648	677,295	489,413
200 to 499 ..... farms, 2007	740	987	592	2,906	2,953	1,750
2002	921	1,140	565	3,115	3,556	1,582
number, 2007	224,606	283,712	167,548	863,592	887,108	512,163
2002	282,376	328,560	156,802	903,974	1,052,907	449,530
500 or more ..... farms, 2007	765	319	164	1,662	1,829	429
2002	694	285	122	1,062	1,690	325
number, 2007	1,727,400	284,292	199,027	1,822,118	4,507,774	350,614
2002	1,371,120	244,071	121,750	1,063,408	3,813,504	278,048
Cows and heifers that had calved ..... farms, 2007	7,983	15,695	14,376	22,736	26,158	39,501
2002	8,603	16,100	15,050	25,676	28,114	41,965
number, 2007	1,012,755	528,788	401,448	1,119,491	1,632,008	1,256,847
2002	892,624	536,795	375,213	1,194,635	1,653,024	1,245,931
Beef cows ..... farms, 2007	7,365	14,753	12,668	20,809	25,776	38,298
2002	7,902	14,766	12,612	23,313	27,616	40,234
number, 2007	476,292	429,111	235,299	904,100	1,516,374	1,166,385
2002	502,024	422,694	230,421	987,670	1,539,636	1,125,183
2007 farms by inventory:						
1 to 9 ..... farms	3,172	4,266	5,793	4,036	4,737	10,607
number	12,421	20,897	27,041	19,619	23,625	53,096
10 to 19 ..... farms	1,035	3,457	3,161	3,871	4,500	9,256
number	13,830	46,875	42,633	53,500	61,835	126,402
20 to 49 ..... farms	1,259	4,637	2,779	7,416	7,947	12,237
number	38,748	138,594	80,514	233,333	248,024	371,213
50 to 99 ..... farms	772	1,632	679	3,424	4,538	4,244
number	52,221	107,670	44,197	230,389	308,137	279,007
100 to 199 ..... farms	511	612	185	1,572	2,573	1,457
number	68,381	76,492	23,437	202,734	336,089	187,723
200 to 499 ..... farms	445	142	71	439	1,236	458
number	130,971	34,088	17,477	120,770	350,643	120,692
500 or more ..... farms	171	7	-	51	245	39
number	159,720	4,495	-	43,755	188,021	28,252
Milk cows ..... farms, 2007	811	1,217	2,023	2,390	776	2,277
2002	982	1,658	2,799	3,034	1,042	2,939
number, 2007	536,463	99,677	166,149	215,391	115,634	90,462
2002	390,600	114,101	144,792	206,965	113,388	120,748
2007 farms by inventory:						
1 to 9 ..... farms	198	238	635	290	290	987
number	483	711	1,588	791	789	2,492
10 to 19 ..... farms	15	52	144	224	44	167
number	196	750	2,117	3,093	587	2,201
20 to 49 ..... farms	67	250	527	654	143	496
number	2,311	8,382	17,302	22,134	4,702	16,962
50 to 99 ..... farms	103	363	396	712	161	359
number	7,181	24,963	26,456	47,433	11,286	24,558
100 to 199 ..... farms	94	218	206	346	86	220
number	12,163	28,554	27,081	44,379	10,988	28,528
200 to 499 ..... farms	108	83	78	114	30	41
number	34,231	23,871	20,554	33,030	8,160	10,371
500 or more ..... farms	226	13	37	50	22	7
number	479,898	12,446	71,051	64,531	79,122	5,350
Other cattle (see text) ..... farms, 2007	8,815	14,869	15,131	25,608	25,483	34,908
2002	9,319	17,723	17,932	29,013	29,148	40,164
number, 2007	1,223,392	702,317	473,902	2,862,853	5,037,155	1,138,608
2002	1,096,924	822,215	486,861	2,341,310	4,668,114	1,149,545
2007 farms by inventory:						
1 to 9 ..... farms	4,217	5,780	7,621	7,164	7,812	14,567
number	16,719	24,311	31,866	29,735	33,224	62,763
10 to 19 ..... farms	1,332	2,905	2,849	3,698	4,351	7,784
number	17,635	38,765	37,906	50,798	59,394	104,734
20 to 49 ..... farms	1,264	3,253	2,684	5,631	5,553	7,691
number	38,268	97,881	79,601	177,363	171,105	229,987
50 to 99 ..... farms	713	1,468	1,030	3,684	3,099	2,751
number	48,539	99,224	68,949	252,075	211,073	181,595
100 to 199 ..... farms	499	786	549	2,318	1,901	1,128
number	66,834	104,815	72,355	313,674	255,512	150,142
200 to 499 ..... farms	394	464	288	1,734	1,542	799
number	119,499	136,187	81,225	521,420	461,567	238,129
500 or more ..... farms	396	213	110	1,379	1,225	188
number	915,898	201,134	102,000	1,517,788	3,845,280	171,258

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
INVENTORY						
Cattle and calves ....farms, 2007	14,075	2,112	3,695	1,832	14,454	24,685
2002	15,022	1,749	3,990	1,269	14,495	28,034
number, 2007	878,664	88,191	190,504	46,852	1,048,206	2,395,217
2002	855,717	89,831	240,918	50,791	998,204	2,265,997
Farms by inventory:						
1 to 9 .... farms, 2007	3,013	1,074	1,185	1,064	5,444	4,187
2002	2,964	706	1,194	588	4,512	4,957
number, 2007	16,324	4,491	5,646	4,300	24,225	21,286
2002	16,755	3,156	5,839	2,567	21,515	25,140
10 to 19 .... farms, 2007	2,901	350	720	360	2,630	3,737
2002	3,514	311	720	233	2,717	4,472
number, 2007	40,019	4,742	9,782	4,627	36,133	51,471
2002	48,086	4,151	9,985	3,067	37,290	61,403
20 to 49 .... farms, 2007	3,947	320	835	195	2,889	6,132
2002	4,492	302	833	185	3,278	6,969
number, 2007	123,278	9,537	25,483	5,780	88,411	194,869
2002	137,134	9,440	26,089	5,501	100,409	219,979
50 to 99 .... farms, 2007	2,085	136	435	96	1,399	4,101
2002	1,940	193	524	115	1,656	4,755
number, 2007	140,982	9,775	30,048	7,010	95,635	287,570
2002	132,036	13,863	36,143	8,252	114,350	334,732
100 to 199 .... farms, 2007	1,255	148	309	73	908	3,629
2002	1,226	142	459	97	1,186	4,136
number, 2007	172,190	19,664	42,181	9,861	126,034	497,594
2002	165,188	19,413	64,687	13,754	162,007	565,032
200 to 499 .... farms, 2007	657	59	182	38	828	2,118
2002	711	75	227	46	856	2,274
number, 2007	191,721	17,506	51,176	10,930	249,083	618,927
2002	209,315	22,812	63,057	13,522	251,543	639,570
500 or more .... farms, 2007	217	25	29	6	356	781
2002	175	20	33	5	290	471
number, 2007	194,150	22,476	26,188	4,344	428,685	723,500
2002	147,203	16,996	35,118	4,128	311,090	420,141
Cows and heifers that had calved ....farms, 2007	12,569	1,677	3,114	1,377	10,139	18,801
2002	13,107	1,501	3,356	1,057	10,730	21,094
number, 2007	539,175	44,641	101,187	23,696	453,733	859,520
2002	522,947	47,875	128,518	27,967	415,993	881,842
Beef cows .... farms, 2007	12,355	1,326	2,526	1,173	7,848	14,410
2002	12,775	1,107	2,684	775	8,144	15,565
number, 2007	510,837	12,114	44,015	8,646	109,500	399,768
2002	478,428	12,242	55,754	6,882	117,564	403,594
2007 farms by inventory:						
1 to 9 .... farms	3,565	987	1,182	936	4,611	4,657
number	17,914	3,836	5,486	3,621	19,060	23,018
10 to 19 .... farms	2,667	195	617	149	1,656	3,478
number	36,165	2,480	8,196	1,960	21,864	47,093
20 to 49 .... farms	3,536	112	561	72	1,205	4,260
number	107,154	3,021	16,050	1,981	34,946	127,158
50 to 99 .... farms	1,469	24	121	13	266	1,357
number	97,974	1,732	7,556	780	17,249	88,881
100 to 199 .... farms	713	7	41	3	89	487
number	93,139	(D)	5,136	304	10,950	62,030
200 to 499 .... farms	338	1	3	-	20	158
number	98,634	(D)	(D)	-	(D)	42,450
500 or more .... farms	67	-	1	-	1	13
number	59,857	-	(D)	-	(D)	9,138
Milk cows .... farms, 2007	298	479	663	310	2,647	5,148
2002	422	556	825	380	3,013	6,474
number, 2007	28,338	32,527	57,172	15,050	344,233	459,752
2002	44,519	35,633	72,764	21,085	298,429	478,248
2007 farms by inventory:						
1 to 9 .... farms	54	158	101	142	555	279
number	(D)	419	235	324	1,856	946
10 to 19 .... farms	1	26	14	17	231	226
number	(D)	339	215	(D)	3,064	3,262
20 to 49 .... farms	36	94	149	48	550	1,531
number	1,185	3,292	5,283	1,634	18,070	53,101
50 to 99 .... farms	91	121	208	46	454	1,965
number	6,521	8,133	14,471	3,250	31,792	132,332
100 to 199 .... farms	91	46	135	43	479	775
number	12,152	6,232	17,812	5,496	64,818	99,298
200 to 499 .... farms	22	26	48	12	262	284
number	6,180	8,155	12,120	(D)	75,661	79,600
500 or more .... farms	3	8	8	2	116	88
number	2,153	5,957	7,036	(D)	148,972	91,213
Other cattle (see text) .... farms, 2007	11,182	1,598	2,889	1,304	11,972	21,830
2002	12,719	1,424	3,110	932	12,711	25,087
number, 2007	339,489	43,550	89,317	23,156	594,473	1,535,697
2002	332,770	41,956	112,400	22,824	582,211	1,384,155
2007 farms by inventory:						
1 to 9 .... farms	5,003	884	1,326	851	5,423	6,331
number	20,971	3,440	5,587	3,267	22,806	28,269
10 to 19 .... farms	2,350	255	516	186	2,121	3,525
number	31,156	3,330	6,849	(D)	28,318	47,150
20 to 49 .... farms	2,211	221	535	146	2,082	4,981
number	65,720	6,550	16,331	4,363	62,555	154,933
50 to 99 .... farms	948	141	298	66	986	3,371
number	63,944	9,247	20,275	4,580	67,505	229,437
100 to 199 .... farms	385	59	158	45	724	1,886
number	50,501	7,673	20,764	5,403	97,064	251,347
200 to 499 .... farms	249	33	50	9	477	1,200
number	74,884	9,134	13,596	2,382	139,819	341,000
500 or more .... farms	36	5	6	1	159	536
number	32,313	4,176	5,915	(D)	176,406	483,561

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
INVENTORY						
Cattle and calves ..... farms, 2007	17,752	58,645	12,341	21,424	1,513	1,027
2002	21,096	64,862	12,951	25,083	1,583	852
number, 2007	987,342	4,292,702	2,589,679	6,576,950	441,629	36,880
2002	1,072,806	4,460,495	2,396,764	6,202,947	460,263	39,912
Farms by inventory:						
1 to 9 ..... farms, 2007	3,335	9,314	1,912	2,157	388	591
2002	3,438	8,851	2,047	2,110	384	398
number, 2007	18,793	47,093	8,827	10,287	1,685	(D)
2002	19,839	48,720	9,637	10,868	1,708	(D)
10 to 19 ..... farms, 2007	3,931	9,568	1,169	1,846	183	176
2002	5,131	10,948	1,237	2,254	220	147
number, 2007	54,936	133,247	16,127	25,832	2,491	2,396
2002	71,375	153,782	17,199	31,446	3,026	1,932
20 to 49 ..... farms, 2007	5,667	17,408	2,242	4,388	229	106
2002	7,255	20,568	2,413	5,588	254	117
number, 2007	175,626	556,922	72,056	142,940	6,935	3,060
2002	224,831	661,547	77,150	182,616	8,136	3,467
50 to 99 ..... farms, 2007	2,693	11,094	1,791	3,695	164	57
2002	3,059	12,701	1,966	5,025	170	65
number, 2007	183,766	770,147	126,544	259,692	11,116	3,943
2002	206,537	880,145	138,886	355,209	11,919	4,589
100 to 199 ..... farms, 2007	1,300	6,867	1,818	3,462	148	58
2002	1,367	7,421	2,070	4,305	104	82
number, 2007	175,659	931,993	254,960	482,973	20,221	8,120
2002	181,651	1,002,918	290,800	592,795	14,275	11,374
200 to 499 ..... farms, 2007	680	3,467	2,128	3,278	186	30
2002	663	3,520	2,152	3,626	198	35
number, 2007	198,290	1,015,498	671,003	1,011,226	58,372	(D)
2002	186,116	1,018,619	662,167	1,099,975	63,179	(D)
500 or more ..... farms, 2007	146	927	1,281	2,598	215	9
2002	183	853	1,066	2,175	253	8
number, 2007	180,272	837,802	1,440,162	4,644,000	340,809	8,011
2002	182,457	694,764	1,200,925	3,930,038	358,020	6,587
Cows and heifers that had calved ..... farms, 2007	16,036	52,640	11,288	18,477	1,300	809
2002	18,831	58,167	11,998	21,419	1,266	721
number, 2007	544,077	2,199,539	1,539,645	1,944,252	266,322	19,592
2002	603,722	2,270,921	1,515,867	1,982,033	274,383	21,940
Beef cows ..... farms, 2007	15,910	51,289	11,162	18,233	1,275	642
2002	18,511	56,057	11,821	20,991	1,218	527
number, 2007	521,517	2,089,181	1,522,187	1,889,842	238,662	4,981
2002	568,608	2,108,452	1,497,915	1,915,107	245,025	4,473
2007 farms by inventory:						
1 to 9 ..... farms	4,125	11,250	1,844	2,178	342	490
number	21,732	55,980	8,184	10,277	1,359	1,798
10 to 19 ..... farms	3,892	10,652	1,105	2,243	141	96
number	52,652	146,842	15,402	31,240	1,825	(D)
20 to 49 ..... farms	5,141	17,055	2,202	4,907	224	51
number	154,410	527,393	70,572	156,721	6,904	1,516
50 to 99 ..... farms	1,812	7,858	1,765	3,442	127	4
number	118,838	526,467	123,906	236,735	8,506	(D)
100 to 199 ..... farms	676	3,204	1,804	2,799	154	1
number	85,644	416,692	250,000	376,888	21,024	(D)
200 to 499 ..... farms	226	1,131	1,869	2,150	156	-
number	61,883	303,976	561,708	633,230	47,815	-
500 or more ..... farms	38	139	573	514	131	-
number	26,358	111,831	492,415	444,751	151,229	-
Milk cows ..... farms, 2007	177	2,621	385	493	56	225
2002	627	3,975	624	866	128	255
number, 2007	22,560	110,358	17,458	54,410	27,660	14,611
2002	35,114	162,469	17,952	66,926	29,358	17,467
2007 farms by inventory:						
1 to 9 ..... farms	4	1,153	282	170	30	93
number	8	2,998	548	478	(D)	(D)
10 to 19 ..... farms	-	234	8	18	1	9
number	-	3,072	114	273	(D)	(D)
20 to 49 ..... farms	23	489	12	83	-	29
number	905	15,821	392	2,759	-	1,072
50 to 99 ..... farms	65	459	20	111	-	52
number	4,566	31,479	1,523	7,387	-	3,678
100 to 199 ..... farms	59	238	37	67	3	23
number	7,976	30,367	4,992	9,322	(D)	(D)
200 to 499 ..... farms	22	40	22	26	11	17
number	5,522	11,089	7,245	7,496	4,135	4,688
500 or more ..... farms	4	8	4	18	11	2
number	3,583	15,532	2,644	26,695	23,020	(D)
Other cattle (see text) ..... farms, 2007	13,985	50,029	10,526	18,495	1,241	766
2002	17,540	57,872	11,169	22,544	1,384	641
number, 2007	443,265	2,093,163	1,050,034	4,632,698	175,307	17,288
2002	469,084	2,189,574	880,897	4,220,914	185,880	17,972
2007 farms by inventory:						
1 to 9 ..... farms	6,377	17,310	3,772	4,754	446	495
number	27,754	74,416	14,800	19,023	1,774	1,835
10 to 19 ..... farms	3,103	10,387	1,530	2,401	192	95
number	41,268	140,371	20,544	32,585	2,522	(D)
20 to 49 ..... farms	2,913	12,509	1,850	3,577	208	91
number	85,922	379,540	56,930	112,874	6,256	2,870
50 to 99 ..... farms	891	5,535	1,267	2,415	108	45
number	58,802	371,234	88,171	166,192	7,142	3,204
100 to 199 ..... farms	391	2,506	1,013	2,034	109	28
number	51,486	331,897	140,458	277,926	14,756	(D)
200 to 499 ..... farms	254	1,341	696	1,785	98	11
number	76,532	391,090	208,857	548,055	30,452	3,143
500 or more ..... farms	56	441	398	1,529	80	1
number	101,501	404,615	520,274	3,476,043	112,405	(D)

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
INVENTORY						
Cattle and calves ....farms, 2007	1,435	9,508	13,589	19,229	10,508	26,105
2002	1,513	6,845	15,971	23,784	11,705	28,672
number, 2007	38,198	1,525,976	1,443,297	820,182	1,811,523	1,272,402
2002	41,747	1,590,769	1,453,365	848,061	1,873,191	1,240,612
Farms by inventory:						
1 to 9 .... farms, 2007	806	3,066	2,970	5,483	688	8,569
2002	863	1,575	3,550	7,085	596	9,810
number, 2007	3,092	14,978	14,018	28,354	3,664	41,416
2002	3,441	7,743	16,858	38,718	3,134	47,365
10 to 19 .... farms, 2007	231	2,022	2,064	4,470	746	5,586
2002	238	1,102	2,326	6,402	799	5,712
number, 2007	3,048	27,220	28,363	61,184	10,421	76,180
2002	3,067	14,566	31,472	86,909	11,141	78,267
20 to 49 .... farms, 2007	214	1,810	2,826	5,401	1,990	6,324
2002	210	1,306	2,927	6,351	2,171	6,973
number, 2007	6,410	54,122	87,802	163,277	65,688	193,063
2002	6,238	40,433	92,065	191,388	71,398	214,881
50 to 99 .... farms, 2007	82	894	2,272	2,212	1,996	2,757
2002	96	810	2,902	2,303	2,434	3,225
number, 2007	5,403	60,976	162,320	148,591	142,220	188,266
2002	6,782	56,207	208,554	155,426	173,357	220,909
100 to 199 .... farms, 2007	68	620	1,918	970	2,320	1,649
2002	67	678	2,782	1,036	2,686	1,877
number, 2007	9,491	82,824	261,098	127,237	325,486	228,554
2002	9,424	94,989	380,319	136,294	379,961	253,006
200 to 499 .... farms, 2007	31	572	1,017	526	2,054	879
2002	33	710	1,071	494	2,350	854
number, 2007	8,586	176,791	297,011	149,597	624,053	251,326
2002	8,980	219,809	304,930	143,457	707,648	240,837
500 or more .... farms, 2007	3	524	522	167	714	341
2002	6	664	413	113	669	221
number, 2007	2,168	1,109,065	592,685	141,942	639,991	293,597
2002	3,815	1,157,022	419,167	95,869	526,552	185,347
Cows and heifers that had calved ....farms, 2007	1,050	8,380	11,568	15,222	9,806	20,551
2002	653	5,776	12,913	21,066	10,917	20,125
number, 2007	19,088	856,573	730,075	420,613	956,502	565,695
2002	20,534	831,234	750,834	481,742	1,016,775	522,461
Beef cows .... farms, 2007	932	8,208	6,803	14,895	9,667	17,398
2002	535	5,571	6,598	20,461	10,691	16,104
number, 2007	9,298	530,173	103,620	373,024	930,023	293,757
2002	8,037	516,104	80,831	418,315	982,270	260,702
2007 farms by inventory:						
1 to 9 .... farms	641	3,105	3,598	5,539	775	8,499
number	2,413	14,341	15,386	26,014	3,909	39,262
10 to 19 .... farms	173	1,700	1,624	3,666	924	4,501
number	2,177	22,447	21,111	49,759	12,633	60,082
20 to 49 .... farms	90	1,549	1,232	3,973	2,300	3,420
number	2,489	46,798	34,892	116,801	74,241	98,614
50 to 99 .... farms	23	767	268	1,169	2,366	704
number	1,626	52,040	17,843	75,840	164,777	45,198
100 to 199 .... farms	5	474	72	394	2,039	195
number	593	65,714	9,294	50,918	273,533	24,770
200 to 499 .... farms	-	405	7	131	1,126	68
number	-	121,966	(D)	35,915	309,673	18,420
500 or more .... farms	-	208	2	23	137	11
number	-	206,867	(D)	17,777	91,257	7,411
Milk cows .... farms, 2007	152	272	5,683	463	402	3,650
2002	136	377	7,388	1,250	633	4,754
number, 2007	9,790	326,400	626,455	47,589	26,479	271,938
2002	12,497	315,130	670,003	63,427	34,505	261,759
2007 farms by inventory:						
1 to 9 .... farms	41	116	683	185	89	574
number	(D)	261	1,978	434	250	1,853
10 to 19 .... farms	3	7	264	6	18	295
number	37	(D)	3,753	73	250	4,050
20 to 49 .... farms	26	3	1,419	35	128	1,176
number	842	(D)	51,117	1,124	4,302	40,208
50 to 99 .... farms	49	1	1,854	83	105	989
number	3,475	(D)	125,720	6,153	7,005	72,719
100 to 199 .... farms	28	3	872	91	43	420
number	3,611	(D)	115,904	12,526	5,222	54,732
200 to 499 .... farms	4	6	375	50	13	145
number	1,129	2,400	115,229	13,514	4,161	43,220
500 or more .... farms	1	136	216	13	6	51
number	(D)	323,102	212,754	13,765	5,289	55,156
Other cattle (see text) .... farms, 2007	976	6,933	11,507	15,489	9,302	21,287
2002	1,463	5,859	13,618	18,375	10,633	24,817
number, 2007	19,110	669,403	713,222	399,569	855,021	706,707
2002	21,213	759,535	702,531	366,319	856,416	718,151
2007 farms by inventory:						
1 to 9 .... farms	554	3,721	3,363	7,509	2,286	10,446
number	2,061	13,853	15,176	33,336	9,870	44,462
10 to 19 .... farms	177	1,111	2,031	3,523	1,310	4,239
number	2,357	14,292	27,387	46,506	17,665	56,829
20 to 49 .... farms	132	936	2,920	2,820	1,925	3,562
number	3,891	27,553	91,185	82,207	60,622	105,611
50 to 99 .... farms	82	397	1,658	903	1,537	1,602
number	5,319	26,123	111,206	60,737	105,769	108,289
100 to 199 .... farms	19	273	795	436	1,154	824
number	2,461	37,473	104,508	56,275	156,366	109,745
200 to 499 .... farms	12	268	496	213	830	426
number	3,021	82,523	148,515	59,388	240,416	125,616
500 or more .... farms	-	227	244	85	260	188
number	-	467,586	215,245	61,120	264,313	156,155

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
INVENTORY					
Cattle and calves ..... farms, 2007	55,105	16,062	25,975	276	8,835
2002	59,155	16,481	28,163	225	10,000
number, 2007	5,391,337	1,389,189	1,609,147	5,085	400,996
2002	5,324,240	1,360,025	1,632,649	5,308	432,265
Farms by inventory:					
1 to 9 ..... farms, 2007	10,299	7,421	7,579	155	1,940
2002	9,764	7,908	6,672	107	2,648
number, 2007	54,663	33,246	34,858	(D)	10,063
2002	53,458	36,401	32,852	(D)	14,372
10 to 19 ..... farms, 2007	9,854	2,788	4,172	57	1,821
2002	10,962	2,877	4,701	47	2,409
number, 2007	134,927	37,438	56,657	761	25,050
2002	151,174	38,424	64,789	633	32,817
20 to 49 ..... farms, 2007	15,014	2,584	4,970	40	2,730
2002	17,479	2,453	6,544	45	2,825
number, 2007	472,140	78,118	153,974	1,121	86,257
2002	550,588	73,533	206,405	1,380	86,187
50 to 99 ..... farms, 2007	8,382	1,247	4,620	13	1,643
2002	9,550	1,074	5,851	13	1,159
number, 2007	576,449	85,710	332,728	827	114,109
2002	659,844	73,831	415,361	907	79,582
100 to 199 ..... farms, 2007	5,733	772	3,027	10	471
2002	6,171	854	3,020	12	623
number, 2007	779,574	105,398	405,619	1,382	63,933
2002	836,711	118,391	401,949	1,566	83,642
200 to 499 ..... farms, 2007	3,979	675	1,336	1	181
2002	3,699	743	1,169	1	260
number, 2007	1,187,110	208,077	383,738	(D)	55,232
2002	1,100,693	223,488	331,685	(D)	75,246
500 or more ..... farms, 2007	1,844	575	271	-	49
2002	1,530	572	206	-	76
number, 2007	2,186,474	841,202	241,573	-	46,352
2002	1,971,772	795,957	179,608	-	60,419
Cows and heifers that had calved ..... farms, 2007	47,412	13,225	19,769	253	8,236
2002	51,047	13,590	23,118	190	8,857
number, 2007	2,129,636	720,857	711,751	3,125	248,249
2002	2,137,136	702,156	803,765	3,309	238,832
Beef cows ..... farms, 2007	47,059	12,876	12,253	227	8,177
2002	50,465	13,063	14,743	163	8,730
number, 2007	2,063,613	604,069	158,430	1,800	230,419
2002	2,050,866	585,733	212,234	1,481	218,650
2007 farms by inventory:					
1 to 9 ..... farms	12,172	6,867	7,229	167	2,374
number	60,929	27,322	30,405	611	11,887
10 to 19 ..... farms	10,034	1,956	2,719	35	1,852
number	135,741	25,870	35,780	(D)	24,938
20 to 49 ..... farms	13,997	1,967	1,834	23	2,763
number	427,065	59,150	52,353	555	84,623
50 to 99 ..... farms	6,065	885	370	1	906
number	408,431	59,665	23,389	(D)	57,333
100 to 199 ..... farms	3,093	497	78	1	213
number	405,238	66,987	9,769	(D)	27,054
200 to 499 ..... farms	1,415	471	21	-	63
number	390,779	141,986	(D)	-	17,533
500 or more ..... farms	283	233	2	-	6
number	235,430	223,089	(D)	-	7,051
Milk cows ..... farms, 2007	981	596	8,333	39	106
2002	1,828	1,133	9,629	43	326
number, 2007	66,023	116,788	553,321	1,325	17,830
2002	86,270	116,423	591,531	1,828	20,182
2007 farms by inventory:					
1 to 9 ..... farms	518	305	1,049	22	25
number	1,474	679	2,619	(D)	(D)
10 to 19 ..... farms	80	10	306	1	2
number	976	117	4,099	(D)	(D)
20 to 49 ..... farms	102	29	2,680	7	7
number	3,145	985	101,174	227	248
50 to 99 ..... farms	127	40	2,996	6	11
number	8,689	2,924	195,178	423	850
100 to 199 ..... farms	110	84	980	2	31
number	14,452	12,352	124,815	(D)	4,531
200 to 499 ..... farms	32	82	255	1	23
number	8,324	25,936	70,832	(D)	7,129
500 or more ..... farms	12	46	67	-	7
number	28,963	73,795	54,604	-	4,990
Other cattle (see text) ..... farms, 2007	46,508	12,218	22,163	175	6,535
2002	52,075	12,690	23,435	158	8,023
number, 2007	3,261,701	668,332	897,396	1,960	152,747
2002	3,187,104	657,869	828,884	1,999	193,433
2007 farms by inventory:					
1 to 9 ..... farms	17,401	7,404	8,003	124	2,770
number	74,923	28,459	34,580	493	11,907
10 to 19 ..... farms	9,141	1,769	3,641	21	1,512
number	122,170	23,301	48,995	(D)	20,332
20 to 49 ..... farms	9,649	1,451	5,703	22	1,673
number	291,894	43,309	179,209	627	49,822
50 to 99 ..... farms	4,315	631	2,838	7	381
number	292,063	41,860	189,486	417	24,478
100 to 199 ..... farms	2,743	402	1,255	1	121
number	370,693	53,332	163,725	(D)	16,794
200 to 499 ..... farms	2,159	325	589	-	63
number	644,571	96,523	174,951	-	18,165
500 or more ..... farms	1,100	236	134	-	15
number	1,465,387	381,548	106,450	-	11,249

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
INVENTORY					
Cattle and calves ....farms, 2007	15,667	46,719	152,102	7,581	2,459
2002	17,983	50,471	150,577	6,688	2,680
number, 2007	3,687,728	2,122,018	13,709,543	843,474	264,823
2002	3,695,877	2,233,988	13,978,987	876,951	283,619
Farms by inventory:					
1 to 9 .... farms, 2007	1,136	8,913	41,632	2,208	751
2002	1,173	10,348	31,664	1,741	562
number, 2007	5,682	49,609	216,793	9,670	3,373
2002	6,069	59,183	178,135	7,698	2,702
10 to 19 .... farms, 2007	985	10,797	32,299	1,081	304
2002	1,202	12,523	32,734	912	351
number, 2007	13,584	149,135	440,603	14,691	4,057
2002	16,816	173,608	450,451	12,475	4,626
20 to 49 .... farms, 2007	2,356	15,435	39,444	1,521	347
2002	3,041	16,094	43,170	1,289	418
number, 2007	76,703	482,220	1,212,906	45,858	10,925
2002	99,605	496,367	1,333,319	40,592	12,977
50 to 99 .... farms, 2007	2,603	6,617	17,803	977	400
2002	3,245	6,795	20,241	875	481
number, 2007	183,255	450,180	1,217,646	67,863	29,267
2002	232,812	461,487	1,385,423	61,637	35,016
100 to 199 .... farms, 2007	3,013	3,528	10,727	819	358
2002	3,898	3,037	11,757	737	530
number, 2007	424,847	473,679	1,461,553	113,464	49,023
2002	545,869	404,642	1,601,354	104,431	72,432
200 to 499 .... farms, 2007	3,739	1,228	6,921	595	197
2002	3,771	1,366	7,341	726	246
number, 2007	1,155,271	347,246	2,061,311	177,884	60,320
2002	1,151,231	401,324	2,187,400	220,169	71,001
500 or more .... farms, 2007	1,835	201	3,276	380	102
2002	1,653	308	3,670	408	92
number, 2007	1,828,386	169,949	7,098,731	414,044	107,858
2002	1,643,475	237,377	6,842,905	429,949	84,865
Cows and heifers that had calved ....farms, 2007	14,108	42,872	132,448	5,872	2,093
2002	16,010	44,927	132,315	5,456	2,375
number, 2007	1,735,735	1,240,233	5,664,242	450,006	149,721
2002	1,778,171	1,177,076	5,854,882	440,213	161,902
Beef cows .... farms, 2007	13,802	42,344	131,769	5,589	1,048
2002	15,515	44,249	131,506	5,055	1,101
number, 2007	1,649,492	1,179,102	5,259,843	364,744	10,002
2002	1,694,091	1,093,059	5,545,824	349,309	11,276
2007 farms by inventory:					
1 to 9 .... farms	1,168	12,003	44,828	1,821	756
number	5,730	63,194	217,498	7,326	2,895
10 to 19 .... farms	1,222	10,983	29,164	863	161
number	16,774	150,094	392,632	11,605	2,041
20 to 49 .... farms	2,930	13,281	33,387	1,172	107
number	95,434	396,953	1,009,078	35,867	2,870
50 to 99 .... farms	3,009	4,283	13,107	768	19
number	210,969	284,873	886,045	52,524	(D)
100 to 199 .... farms	2,861	1,449	6,887	503	3
number	391,166	183,038	913,178	68,033	(D)
200 to 499 .... farms	2,229	316	3,513	359	2
number	626,250	81,459	991,138	102,880	(D)
500 or more .... farms	383	29	883	103	-
number	303,169	19,491	850,274	86,509	-
Milk cows .... farms, 2007	656	1,230	1,293	450	1,219
2002	1,114	1,427	2,080	680	1,508
number, 2007	86,243	61,131	404,399	85,262	139,719
2002	84,080	84,017	309,058	90,904	150,626
2007 farms by inventory:					
1 to 9 .... farms	147	631	685	174	166
number	430	1,568	1,516	404	460
10 to 19 .... farms	31	57	27	8	40
number	413	729	339	105	590
20 to 49 .... farms	151	131	27	22	276
number	5,102	4,425	991	727	10,056
50 to 99 .... farms	161	192	69	53	382
number	11,036	13,600	5,001	3,843	26,561
100 to 199 .... farms	86	162	147	92	191
number	10,658	21,744	21,015	12,804	26,156
200 to 499 .... farms	45	49	146	59	111
number	13,326	13,622	45,128	18,231	31,296
500 or more .... farms	35	8	192	42	53
number	45,278	5,443	330,409	49,148	44,600
Other cattle (see text) .... farms, 2007	13,694	36,495	120,999	6,240	2,060
2002	16,184	41,952	129,005	5,550	2,347
number, 2007	1,951,993	881,785	8,045,301	393,468	115,102
2002	1,917,706	1,056,912	8,124,105	436,738	121,717
2007 farms by inventory:					
1 to 9 .... farms	2,762	15,927	61,070	2,588	698
number	11,409	71,814	254,062	10,572	2,735
10 to 19 .... farms	1,489	8,707	23,998	1,013	296
number	20,103	116,434	316,566	13,290	3,914
20 to 49 .... farms	2,557	7,909	20,181	1,096	516
number	81,283	232,087	592,713	33,618	16,399
50 to 99 .... farms	2,176	2,586	7,532	743	285
number	151,064	169,537	505,011	51,014	19,191
100 to 199 .... farms	2,032	939	3,944	413	155
number	280,457	122,417	519,665	54,635	21,369
200 to 499 .... farms	1,868	343	2,603	241	75
number	551,149	97,215	768,423	73,451	22,889
500 or more .... farms	810	84	1,671	146	35
number	856,528	72,281	5,088,861	156,888	28,605

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
INVENTORY					
Cattle and calves ..... farms, 2007	25,957	12,731	12,792	35,125	5,625
2002	27,733	12,215	12,831	38,120	5,282
number, 2007	1,566,217	1,088,846	411,028	3,373,923	1,311,799
2002	1,622,767	1,100,181	404,163	3,338,122	1,297,042
Farms by inventory:					
1 to 9 ..... farms, 2007	5,869	6,031	4,513	6,546	1,099
2002	5,187	5,442	4,996	6,411	815
number, 2007	29,898	27,369	23,092	31,573	4,968
2002	28,700	25,670	23,345	31,889	3,841
10 to 19 ..... farms, 2007	5,071	2,375	3,160	4,665	565
2002	5,718	2,289	2,766	4,929	493
number, 2007	69,821	31,838	43,165	64,335	7,462
2002	79,732	30,622	37,916	67,202	6,614
20 to 49 ..... farms, 2007	7,434	2,117	3,133	7,253	892
2002	8,829	1,980	3,110	7,988	840
number, 2007	232,454	63,782	94,816	230,098	28,124
2002	273,651	60,321	94,164	256,017	27,034
50 to 99 ..... farms, 2007	3,714	783	1,229	6,695	757
2002	4,091	866	1,148	7,882	712
number, 2007	257,050	53,069	83,487	479,105	52,799
2002	280,505	58,675	78,069	568,103	50,969
100 to 199 ..... farms, 2007	2,254	542	487	6,198	750
2002	2,347	678	525	7,362	777
number, 2007	303,776	75,256	64,678	835,619	106,051
2002	320,837	93,033	69,935	987,084	108,666
200 to 499 ..... farms, 2007	1,245	485	222	2,865	894
2002	1,217	595	238	2,849	966
number, 2007	368,006	144,031	65,000	836,649	282,326
2002	358,346	181,808	66,543	807,077	304,508
500 or more ..... farms, 2007	370	398	48	903	668
2002	344	365	48	699	679
number, 2007	305,212	693,501	36,790	896,544	830,069
2002	280,996	650,052	34,191	620,750	795,410
Cows and heifers that had calved ..... farms, 2007	22,595	10,595	10,837	27,560	4,898
2002	23,885	9,927	11,049	28,688	4,654
number, 2007	793,978	517,133	215,455	1,519,129	738,785
2002	795,334	495,417	215,373	1,474,964	736,760
Beef cows ..... farms, 2007	21,907	10,065	10,653	14,775	4,870
2002	23,030	9,128	10,824	13,300	4,590
number, 2007	695,061	274,001	203,711	269,820	732,141
2002	680,610	248,664	200,401	231,649	732,546
2007 farms by inventory:					
1 to 9 ..... farms	6,662	5,895	5,185	6,826	976
number	33,356	23,544	24,339	30,669	4,243
10 to 19 ..... farms	5,328	1,616	2,508	3,450	460
number	72,408	21,199	33,416	46,038	6,213
20 to 49 ..... farms	6,276	1,486	2,147	3,439	901
number	188,883	43,481	63,668	98,413	28,094
50 to 99 ..... farms	2,328	484	563	807	675
number	153,668	32,878	37,738	52,275	46,541
100 to 199 ..... farms	922	317	176	195	735
number	120,870	42,521	22,565	24,389	102,919
200 to 499 ..... farms	357	201	69	50	791
number	100,130	58,124	18,355	12,773	238,391
500 or more ..... farms	34	66	5	8	332
number	25,746	52,254	3,630	5,263	305,740
Milk cows ..... farms, 2007	1,154	817	370	14,158	122
2002	1,580	1,208	525	16,886	265
number, 2007	98,917	243,132	11,744	1,249,309	6,644
2002	114,724	246,753	14,972	1,243,315	4,214
2007 farms by inventory:					
1 to 9 ..... farms	328	324	221	598	93
number	815	822	329	2,272	(D)
10 to 19 ..... farms	57	30	8	736	2
number	720	367	(D)	10,500	(D)
20 to 49 ..... farms	133	25	56	4,502	7
number	4,479	801	1,876	161,417	248
50 to 99 ..... farms	242	67	54	5,567	8
number	17,762	4,989	3,680	366,821	502
100 to 199 ..... farms	291	105	20	1,685	7
number	38,408	14,602	2,660	218,618	968
200 to 499 ..... farms	90	127	10	798	3
number	25,453	40,071	2,585	232,323	(D)
500 or more ..... farms	13	139	1	272	2
number	11,280	181,480	(D)	257,358	(D)
Other cattle (see text) ..... farms, 2007	20,703	9,505	10,201	31,773	4,758
2002	23,247	9,593	10,430	35,506	4,708
number, 2007	772,239	571,713	195,573	1,854,794	573,014
2002	827,433	604,764	188,790	1,863,158	560,282
2007 farms by inventory:					
1 to 9 ..... farms	8,171	5,744	6,055	8,185	1,607
number	35,078	22,485	25,108	37,483	6,402
10 to 19 ..... farms	4,401	1,552	1,898	4,932	726
number	58,828	19,811	25,162	67,041	9,826
20 to 49 ..... farms	4,453	1,084	1,367	8,197	879
number	134,317	31,767	41,261	263,227	27,240
50 to 99 ..... farms	2,006	401	565	5,801	555
number	134,939	27,294	37,379	386,270	38,192
100 to 199 ..... farms	1,003	299	206	2,876	397
number	132,618	38,759	27,846	375,594	54,923
200 to 499 ..... farms	508	237	98	1,430	395
number	150,821	69,110	(D)	403,914	120,371
500 or more ..... farms	161	188	12	352	199
number	125,638	362,487	(D)	321,265	316,060

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
INVENTORY - Con.						
Cattle and calves - Con.						
Cattle on feed (see text) ..... farms, 2007	50,009	12	7	7	75	264
2002	80,743	105	13	16	848	552
number, 2007	16,098,910	5,513	139	367,647	1,965	571,541
2002	14,905,545	2,796	122	288,295	18,651	535,734
2007 farms by inventory:						
1 to 9 ..... farms	15,818	-	4	-	54	140
number	65,809	-	14	-	166	476
10 to 19 ..... farms	7,072	-	1	-	6	23
number	93,242	-	(D)	-	(D)	274
20 to 49 ..... farms	9,136	-	-	-	4	22
number	280,083	-	-	-	127	617
50 to 99 ..... farms	6,313	3	2	-	4	24
number	426,159	(D)	(D)	-	245	1,608
100 to 199 ..... farms	4,375	2	-	-	6	13
number	586,624	(D)	-	-	802	1,628
200 to 499 ..... farms	3,744	3	-	2	-	12
number	1,118,788	850	-	(D)	-	3,864
500 or more ..... farms	3,551	4	-	5	1	30
number	13,528,205	4,200	-	(D)	(D)	563,074
SALES						
Dairy products sold ..... farms, 2007	69,763	165	7	190	369	1,953
2002	78,963	266	18	127	396	2,422
$1,000, 2007	31,848,029	38,270	1,487	634,509	44,770	6,569,172
2002	20,281,166	46,129	3,246	352,784	54,049	3,739,213
Cattle and calves sold ..... farms, 2007	798,290	21,356	75	4,078	23,731	12,681
2002	851,971	23,088	83	2,030	25,955	12,897
number, 2007	74,071,936	711,735	1,026	672,947	992,422	3,553,530
2002	73,509,165	782,393	1,356	673,305	932,963	3,157,013
$1,000, 2007	61,209,970	408,276	768	585,479	625,996	2,536,571
2002	45,115,184	348,253	759	403,959	421,266	1,582,334
2007 farms by number sold:						
1 to 9 ..... farms	285,131	8,074	48	2,495	8,275	5,050
number	1,243,461	38,106	(D)	8,780	37,767	19,154
10 to 19 ..... farms	151,782	5,019	18	519	5,283	1,601
number	2,059,477	68,025	244	6,765	71,942	21,282
20 to 49 ..... farms	177,736	5,050	3	402	6,138	1,799
number	5,447,558	150,630	111	12,222	185,738	54,099
50 to 99 ..... farms	86,706	1,940	5	240	2,436	1,097
number	5,907,243	129,697	381	16,217	162,826	75,928
100 to 199 ..... farms	47,855	803	1	158	961	1,002
number	6,458,387	107,678	(D)	21,358	125,570	138,712
200 to 499 ..... farms	31,095	369	-	132	423	1,092
number	9,218,477	107,421	-	41,220	122,707	343,024
500 or more ..... farms	17,985	101	-	132	215	1,040
number	43,737,333	110,178	-	566,385	285,872	2,901,331
Calves weighing less than 500 pounds, sold ..... farms, 2007	414,324	14,931	27	1,988	15,461	6,174
2002	500,652	18,519	28	1,451	20,004	6,427
number, 2007	13,695,252	286,857	258	157,825	277,679	1,353,352
2002	14,134,147	323,518	472	159,841	367,712	1,111,050
2007 farms by number sold:						
1 to 9 ..... farms	188,636	7,067	22	1,095	7,106	2,611
number	804,207	32,171	86	3,704	31,016	9,946
10 to 19 ..... farms	92,239	3,658	2	253	3,915	744
number	1,200,194	47,496	(D)	3,290	50,639	9,629
20 to 49 ..... farms	86,922	3,096	2	283	3,438	840
number	2,504,176	87,317	(D)	8,488	97,055	25,343
50 to 99 ..... farms	26,191	762	1	119	739	558
number	1,695,544	48,233	(D)	7,976	46,525	36,988
100 to 199 ..... farms	11,029	239	-	91	190	433
number	1,438,458	30,349	-	12,129	23,412	57,510
200 to 499 ..... farms	6,405	93	-	85	60	563
number	1,865,081	24,154	-	24,403	17,281	170,715
500 or more ..... farms	2,902	16	-	62	13	425
number	4,187,592	17,137	-	97,835	11,751	1,043,221
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	681,126	17,202	67	3,186	19,437	11,122
2002	709,973	17,612	79	1,661	19,697	11,441
number, 2007	60,376,684	424,878	768	515,122	714,743	2,200,178
2002	59,375,018	458,875	884	513,464	565,251	2,045,963
2007 farms by number sold:						
1 to 9 ..... farms	297,526	9,130	46	2,061	9,164	4,750
number	1,192,607	37,870	159	6,969	37,760	16,564
10 to 19 ..... farms	122,477	3,628	14	375	4,093	1,394
number	1,620,881	47,054	(D)	4,804	53,721	18,263
20 to 49 ..... farms	127,694	2,848	2	361	3,792	1,577
number	3,852,708	82,872	(D)	10,713	111,422	47,955
50 to 99 ..... farms	60,513	873	5	137	1,309	1,018
number	4,089,677	57,661	365	9,186	86,606	68,895
100 to 199 ..... farms	34,637	434	-	84	573	886
number	4,641,988	58,225	-	11,010	75,215	119,463
200 to 499 ..... farms	24,114	225	-	91	328	883
number	7,080,491	65,393	-	27,420	97,227	270,989
500 or more ..... farms	14,165	64	-	77	178	614
number	37,898,332	75,803	-	445,020	252,792	1,658,049

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
INVENTORY - Con.						
Cattle and calves - Con.						
Cattle on feed (see text) ..... farms, 2007	679	56	30	190	117	15
2002	981	62	38	-	26	28
number, 2007	1,130,652	1,152	2,200	2,394	1,066	225
2002	1,102,760	1,484	660	-	1,257	2,336
2007 farms by inventory:						
1 to 9 ..... farms	293	45	20	145	75	9
number	998	147	82	559	322	22
10 to 19 ..... farms	56	7	2	26	30	3
number	767	91	(D)	346	378	54
20 to 49 ..... farms	41	2	4	8	10	1
number	1,177	(D)	125	(D)	(D)	(D)
50 to 99 ..... farms	46	-	1	9	2	2
number	2,991	-	(D)	557	(D)	(D)
100 to 199 ..... farms	53	1	2	1	-	-
number	7,132	(D)	(D)	(D)	-	-
200 to 499 ..... farms	47	-	-	-	-	-
number	14,795	-	-	-	-	-
500 or more ..... farms	143	1	1	1	-	-
number	1,102,792	(D)	(D)	(D)	-	-
SALES						
Dairy products sold ..... farms, 2007	447	261	83	227	651	5
2002	260	218	89	452	517	10
$1,000, 2007	456,076	72,338	21,715	412,211	264,423	7,018
2002	247,095	56,523	20,651	371,691	212,720	21,745
Cattle and calves sold ..... farms, 2007	11,963	805	307	14,146	16,261	713
2002	11,877	715	276	14,149	18,770	550
number, 2007	3,148,677	17,348	11,219	843,641	595,273	70,567
2002	3,625,015	17,823	8,212	847,869	565,767	60,739
$1,000, 2007	3,156,348	9,405	7,567	436,193	342,392	44,011
2002	2,632,740	7,025	3,254	328,820	240,070	30,719
2007 farms by number sold:						
1 to 9 ..... farms	4,213	555	175	7,125	6,631	378
number	16,703	1,932	(D)	29,618	29,876	1,467
10 to 19 ..... farms	1,668	90	49	2,424	3,405	91
number	22,713	1,273	633	32,033	46,241	1,152
20 to 49 ..... farms	2,180	82	43	2,101	3,587	93
number	68,003	2,547	1,220	63,151	108,980	2,907
50 to 99 ..... farms	1,363	37	17	1,101	1,435	59
number	94,512	2,706	1,183	74,995	97,245	3,970
100 to 199 ..... farms	1,081	28	12	642	751	31
number	148,231	3,805	(D)	87,050	99,548	4,035
200 to 499 ..... farms	868	10	10	428	353	29
number	267,006	3,288	2,638	129,328	101,350	8,621
500 or more ..... farms	590	3	1	325	99	32
number	2,531,509	1,797	(D)	427,466	112,033	48,415
Calves weighing less than 500 pounds, sold ..... farms, 2007	4,401	367	143	10,145	11,007	475
2002	6,285	382	145	11,821	14,743	303
number, 2007	247,367	8,099	3,646	478,075	239,342	43,102
2002	350,684	8,841	3,944	509,867	260,081	20,342
2007 farms by number sold:						
1 to 9 ..... farms	1,759	225	67	5,209	5,140	225
number	6,677	752	241	21,093	22,910	908
10 to 19 ..... farms	782	49	28	1,741	2,426	59
number	10,185	625	346	22,540	31,812	743
20 to 49 ..... farms	832	45	27	1,633	2,427	79
number	24,758	1,413	840	49,326	69,939	2,439
50 to 99 ..... farms	482	29	12	715	665	41
number	32,265	1,959	779	47,327	42,982	2,564
100 to 199 ..... farms	286	14	6	417	250	27
number	37,112	1,808	773	55,470	31,665	3,381
200 to 499 ..... farms	193	5	3	283	81	23
number	57,676	1,542	667	81,762	22,705	7,330
500 or more ..... farms	67	-	-	147	18	21
number	78,694	-	-	200,557	17,329	25,737
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	10,778	686	255	10,045	12,801	457
2002	10,458	621	256	9,511	13,849	385
number, 2007	2,901,310	9,249	7,573	365,566	355,931	27,465
2002	3,274,331	8,982	4,268	338,002	305,686	40,397
2007 farms by number sold:						
1 to 9 ..... farms	4,166	502	160	6,451	6,939	288
number	15,910	1,617	574	22,466	27,028	955
10 to 19 ..... farms	1,448	67	45	1,330	2,450	51
number	19,610	861	(D)	17,106	31,869	(D)
20 to 49 ..... farms	1,893	78	25	1,124	2,041	43
number	59,002	2,263	(D)	32,311	59,211	1,308
50 to 99 ..... farms	1,226	25	18	495	706	36
number	84,675	1,702	1,100	33,221	46,677	2,275
100 to 199 ..... farms	858	8	3	290	376	15
number	117,115	(D)	410	37,666	48,513	1,903
200 to 499 ..... farms	707	5	3	208	218	14
number	212,886	1,396	774	61,976	62,751	3,978
500 or more ..... farms	480	1	1	147	71	10
number	2,392,112	(D)	(D)	160,820	79,882	(D)

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
INVENTORY - Con.						
Cattle and calves - Con.						
Cattle on feed (see text) ..... farms, 2007	383	3,313	2,580	7,209	1,322	648
2002	684	5,276	4,598	8,725	1,672	1,883
number, 2007	250,741	311,976	105,264	1,738,545	2,673,400	15,911
2002	317,068	383,993	144,959	1,249,270	2,364,959	29,147
2007 farms by inventory:						
1 to 9 ..... farms	196	973	1,125	1,108	265	323
number	729	4,453	4,966	5,147	1,057	(D)
10 to 19 ..... farms	38	510	459	717	87	139
number	502	6,895	6,077	9,706	1,183	1,875
20 to 49 ..... farms	31	774	497	1,304	128	86
number	935	22,986	15,190	41,969	4,246	2,611
50 to 99 ..... farms	36	453	282	1,165	167	71
number	2,295	30,185	18,851	80,072	11,502	4,691
100 to 199 ..... farms	21	235	120	909	183	18
number	2,603	32,072	15,863	124,675	24,064	2,196
200 to 499 ..... farms	19	222	71	987	203	10
number	5,824	65,700	20,450	298,018	64,614	2,933
500 or more ..... farms	42	146	26	1,019	289	1
number	237,853	149,685	23,867	1,178,958	2,566,734	(D)
SALES						
Dairy products sold ..... farms, 2007	809	1,255	2,071	2,465	795	2,273
2002	790	1,442	2,345	2,913	842	2,208
$1,000, 2007	1,843,788	340,336	583,212	689,680	376,511	250,305
2002	869,526	226,761	333,339	442,431	248,542	214,365
Cattle and calves sold ..... farms, 2007	9,662	16,046	15,088	27,535	27,565	38,212
2002	9,035	17,699	16,879	29,515	29,589	40,429
number, 2007	1,829,456	894,593	637,951	3,635,880	8,738,281	1,503,458
2002	1,856,342	917,251	602,637	2,929,704	8,044,209	1,291,026
$1,000, 2007	1,383,742	808,487	456,657	3,606,633	8,542,872	935,611
2002	1,149,407	624,976	324,054	2,119,935	5,715,204	622,855
2007 farms by number sold:						
1 to 9 ..... farms	3,899	5,436	6,883	5,795	5,929	12,491
number	15,342	24,988	29,388	27,557	27,226	59,341
10 to 19 ..... farms	1,343	3,558	3,338	4,454	4,614	9,005
number	17,976	48,536	44,865	61,510	63,520	122,897
20 to 49 ..... farms	1,644	3,860	2,896	7,450	7,041	10,244
number	50,966	117,601	85,817	233,096	219,246	310,125
50 to 99 ..... farms	981	1,702	1,008	4,158	4,320	3,838
number	68,071	114,319	67,829	285,755	298,256	255,657
100 to 199 ..... farms	702	793	460	2,546	2,535	1,568
number	95,893	103,823	61,066	342,849	342,059	207,719
200 to 499 ..... farms	606	450	312	1,624	1,704	775
number	184,870	132,489	88,515	481,115	504,290	228,491
500 or more ..... farms	487	247	191	1,508	1,422	291
number	1,396,338	352,837	260,471	2,203,998	7,283,684	319,228
Calves weighing less than 500 pounds, sold ..... farms, 2007	3,362	6,802	6,750	8,155	10,669	22,426
2002	3,173	7,653	7,485	9,504	13,095	25,744
number, 2007	495,977	138,398	317,832	316,177	384,700	400,809
2002	286,514	136,854	261,964	259,122	475,590	362,980
2007 farms by number sold:						
1 to 9 ..... farms	1,508	3,088	3,484	2,753	4,007	10,589
number	5,640	13,621	14,719	12,074	17,183	47,604
10 to 19 ..... farms	467	1,651	1,517	1,781	2,416	5,852
number	5,921	21,698	19,695	23,373	31,425	75,846
20 to 49 ..... farms	614	1,497	1,074	2,323	2,575	4,631
number	18,052	43,302	30,763	68,546	75,270	130,008
50 to 99 ..... farms	249	393	284	815	1,068	979
number	16,194	24,420	18,399	52,605	69,494	61,942
100 to 199 ..... farms	181	120	136	249	362	245
number	23,747	15,528	18,385	32,601	46,365	30,881
200 to 499 ..... farms	190	51	125	163	177	108
number	57,914	(D)	36,391	52,953	47,646	30,527
500 or more ..... farms	153	2	130	71	64	22
number	368,509	(D)	179,480	74,025	97,317	24,001
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	8,782	13,764	12,568	24,994	24,684	32,494
2002	8,221	15,088	14,140	26,277	25,295	33,134
number, 2007	1,333,479	756,195	320,119	3,319,703	8,353,581	1,102,649
2002	1,569,828	780,397	340,673	2,670,582	7,568,619	928,046
2007 farms by number sold:						
1 to 9 ..... farms	3,758	5,598	6,867	6,070	6,366	14,253
number	14,185	23,571	27,144	27,421	27,604	61,305
10 to 19 ..... farms	1,210	2,743	2,543	4,116	4,066	7,244
number	16,044	36,413	33,419	56,139	55,344	96,194
20 to 49 ..... farms	1,478	2,964	1,962	6,274	5,861	6,775
number	44,736	89,987	57,500	195,789	182,315	201,406
50 to 99 ..... farms	890	1,271	681	3,575	3,611	2,323
number	60,799	84,030	45,421	241,975	246,995	153,215
100 to 199 ..... farms	608	584	288	2,084	1,963	1,032
number	83,035	75,797	37,826	279,433	264,847	135,425
200 to 499 ..... farms	513	369	162	1,452	1,491	620
number	153,424	108,396	46,239	423,534	437,986	183,457
500 or more ..... farms	325	235	65	1,423	1,326	247
number	961,256	338,001	72,570	2,095,412	7,138,490	271,647

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
INVENTORY - Con.						
Cattle and calves - Con.						
Cattle on feed (see text) ..... farms, 2007	-	113	298	34	2,865	5,641
2002	3	92	605	60	3,799	6,991
number, 2007	-	1,675	8,206	944	179,158	610,752
2002	(D)	3,625	17,990	913	183,317	518,036
2007 farms by inventory:						
1 to 9 ..... farms	-	80	161	19	1,266	1,163
number	-	256	689	(D)	5,282	5,351
10 to 19 ..... farms	-	20	49	-	505	853
number	-	263	656	-	6,509	11,312
20 to 49 ..... farms	-	6	53	10	503	1,456
number	-	168	1,621	(D)	15,434	45,172
50 to 99 ..... farms	-	3	22	4	240	858
number	-	260	1,566	300	16,065	57,625
100 to 199 ..... farms	-	1	10	-	165	583
number	-	(D)	1,174	-	21,844	78,514
200 to 499 ..... farms	-	3	1	1	131	423
number	-	(D)	(D)	(D)	39,112	122,867
500 or more ..... farms	-	-	2	-	55	305
number	-	-	(D)	-	74,912	289,911
SALES						
Dairy products sold ..... farms, 2007	321	461	676	310	2,453	5,258
2002	445	436	730	264	2,738	6,226
$1,000, 2007	72,020	126,392	192,426	50,485	1,285,571	1,475,929
2002	82,866	87,544	169,458	(D)	697,920	931,754
Cattle and calves sold ..... farms, 2007	10,977	1,447	2,947	1,066	11,631	22,122
2002	11,925	1,223	3,004	795	11,293	22,961
number, 2007	403,495	27,501	90,130	20,405	603,609	1,586,705
2002	408,531	32,147	104,109	19,125	516,107	1,356,142
$1,000, 2007	223,922	15,660	58,293	12,444	449,371	1,385,740
2002	170,569	15,994	50,570	9,612	298,517	873,074
2007 farms by number sold:						
1 to 9 ..... farms	4,325	905	1,370	756	5,651	6,082
number	18,881	2,977	(D)	2,605	22,313	28,007
10 to 19 ..... farms	2,305	199	580	111	2,010	4,285
number	31,128	(D)	7,784	1,469	26,752	58,512
20 to 49 ..... farms	2,386	222	555	98	1,986	6,025
number	72,146	6,766	17,173	3,068	59,898	186,490
50 to 99 ..... farms	1,180	62	284	65	942	2,801
number	80,129	4,045	19,169	4,253	63,959	187,005
100 to 199 ..... farms	471	42	118	24	531	1,465
number	62,823	5,615	15,792	2,970	70,567	196,307
200 to 499 ..... farms	243	15	25	7	302	905
number	70,814	3,940	7,042	1,946	84,108	264,262
500 or more ..... farms	67	2	15	5	209	559
number	67,574	(D)	(D)	4,094	276,012	666,122
Calves weighing less than 500 pounds, sold ..... farms, 2007	7,943	669	1,474	474	4,307	8,042
2002	9,714	657	1,614	395	4,348	8,293
number, 2007	183,630	12,107	37,598	8,416	207,343	319,695
2002	195,775	13,132	42,983	8,646	149,974	251,081
2007 farms by number sold:						
1 to 9 ..... farms	3,502	398	683	309	2,087	2,840
number	15,005	1,225	2,773	912	7,894	12,669
10 to 19 ..... farms	1,854	92	297	52	824	1,955
number	24,328	1,180	3,891	692	10,544	25,343
20 to 49 ..... farms	1,768	127	339	72	743	2,117
number	51,482	3,559	10,442	2,318	21,557	60,827
50 to 99 ..... farms	566	25	106	27	312	644
number	36,443	1,726	7,046	1,705	20,353	42,899
100 to 199 ..... farms	167	21	30	8	172	267
number	22,000	2,645	3,834	935	22,668	33,973
200 to 499 ..... farms	70	6	9	6	80	157
number	19,222	1,772	2,954	1,854	23,590	45,083
500 or more ..... farms	16	-	10	-	89	62
number	15,150	-	6,658	-	100,737	98,901
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	8,260	1,237	2,583	916	10,483	19,980
2002	8,674	1,086	2,600	722	10,182	20,508
number, 2007	219,865	15,394	52,532	11,989	396,266	1,267,010
2002	212,756	19,015	61,126	10,479	366,133	1,105,061
2007 farms by number sold:						
1 to 9 ..... farms	4,485	867	1,445	673	5,662	6,562
number	16,945	2,855	5,625	2,096	21,377	29,235
10 to 19 ..... farms	1,492	167	491	108	1,788	4,059
number	19,356	2,138	6,415	1,404	23,395	54,796
20 to 49 ..... farms	1,363	143	444	92	1,663	4,947
number	40,212	4,072	12,660	2,667	49,900	149,678
50 to 99 ..... farms	519	30	136	33	703	2,124
number	34,802	2,025	9,052	2,302	46,946	140,817
100 to 199 ..... farms	212	27	49	2	352	1,079
number	27,502	3,237	6,644	(D)	46,130	143,665
200 to 499 ..... farms	158	2	14	4	194	739
number	45,926	(D)	3,826	(D)	55,132	214,180
500 or more ..... farms	31	1	4	4	121	470
number	35,122	(D)	8,310	(D)	153,386	534,639

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
INVENTORY - Con.						
Cattle and calves - Con.						
Cattle on feed (see text) ..... farms, 2007	-	1,473	225	2,612	38	6
2002	3	3,778	382	3,592	104	43
number, 2007	-	83,007	42,872	2,736,201	6,217	112
2002	(D)	164,978	68,153	2,452,608	22,979	347
2007 farms by inventory:						
1 to 9 ..... farms	-	581	115	285	26	4
number	-	2,500	449	1,180	124	(D)
10 to 19 ..... farms	-	220	25	162	-	-
number	-	2,831	321	2,146	-	-
20 to 49 ..... farms	-	325	22	301	2	1
number	-	9,913	647	9,912	(D)	(D)
50 to 99 ..... farms	-	156	14	370	1	1
number	-	10,336	920	25,934	(D)	(D)
100 to 199 ..... farms	-	111	16	345	3	-
number	-	14,398	2,038	47,291	(D)	-
200 to 499 ..... farms	-	55	12	436	4	-
number	-	15,671	3,811	137,079	1,025	-
500 or more ..... farms	-	25	21	713	2	-
number	-	27,358	34,686	2,512,659	(D)	-
SALES						
Dairy products sold ..... farms, 2007	219	2,777	380	494	57	225
2002	431	3,233	235	642	47	194
$1,000, 2007	62,875	302,684	54,761	172,066	98,526	59,132
2002	67,954	300,460	41,842	148,941	62,074	(D)
Cattle and calves sold ..... farms, 2007	14,535	52,060	11,526	20,218	1,260	599
2002	16,494	57,957	11,793	23,416	1,283	526
number, 2007	530,495	2,462,198	1,842,159	7,620,019	280,998	12,350
2002	514,514	2,491,094	1,770,727	7,351,398	407,085	13,927
$1,000, 2007	323,621	1,676,632	1,368,699	7,358,555	181,758	6,743
2002	228,346	1,285,288	1,015,169	5,401,018	215,054	5,140
2007 farms by number sold:						
1 to 9 ..... farms	5,547	14,197	2,025	2,713	368	401
number	25,903	67,579	8,842	12,361	1,541	1,286
10 to 19 ..... farms	3,188	11,030	1,211	2,441	149	69
number	43,169	152,374	16,841	33,670	2,059	(D)
20 to 49 ..... farms	3,618	14,871	2,057	4,513	172	59
number	108,420	460,179	66,216	143,706	5,171	1,868
50 to 99 ..... farms	1,326	7,072	1,870	3,440	128	44
number	88,023	479,451	134,110	242,612	8,908	2,931
100 to 199 ..... farms	514	3,087	1,903	2,924	149	18
number	67,701	406,922	265,869	400,866	21,110	(D)
200 to 499 ..... farms	246	1,313	1,806	2,345	161	7
number	71,779	376,361	544,512	702,218	48,967	2,160
500 or more ..... farms	96	490	654	1,842	133	1
number	125,500	519,332	805,769	6,084,586	193,242	(D)
Calves weighing less than 500 pounds, sold ..... farms, 2007	10,702	26,933	3,990	6,690	722	298
2002	13,415	34,725	4,010	8,507	700	293
number, 2007	205,171	588,273	272,531	367,504	98,544	6,194
2002	229,481	655,863	251,449	419,785	85,725	7,117
2007 farms by number sold:						
1 to 9 ..... farms	5,206	10,901	1,218	1,895	192	186
number	23,577	49,734	4,828	7,857	805	548
10 to 19 ..... farms	2,711	6,944	639	1,216	100	29
number	35,269	91,360	8,541	15,855	1,267	(D)
20 to 49 ..... farms	2,150	6,603	986	1,781	129	47
number	60,629	190,558	30,062	53,523	3,877	1,490
50 to 99 ..... farms	476	1,821	555	891	70	24
number	30,072	114,902	37,733	59,840	5,041	(D)
100 to 199 ..... farms	102	480	327	531	110	8
number	12,532	61,388	43,659	70,808	14,622	(D)
200 to 499 ..... farms	37	143	200	289	80	3
number	10,896	40,423	57,554	81,299	23,949	860
500 or more ..... farms	20	41	65	87	41	1
number	32,196	39,908	90,154	78,322	48,983	(D)
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	10,986	44,635	10,859	18,535	1,069	517
2002	11,603	48,207	10,947	20,982	1,083	469
number, 2007	325,324	1,873,925	1,569,628	7,252,515	182,454	6,156
2002	285,033	1,835,231	1,519,278	6,931,613	321,360	6,810
2007 farms by number sold:						
1 to 9 ..... farms	5,772	16,080	2,067	2,849	358	364
number	23,174	69,843	8,760	12,357	1,332	1,103
10 to 19 ..... farms	2,088	8,886	1,134	2,246	124	73
number	27,238	120,059	15,514	30,745	1,618	933
20 to 49 ..... farms	1,928	11,132	2,002	4,006	165	51
number	56,113	339,438	63,768	126,962	4,999	1,411
50 to 99 ..... farms	662	5,005	1,836	3,212	116	19
number	44,210	334,878	130,093	223,144	7,856	1,245
100 to 199 ..... farms	281	2,098	1,737	2,507	108	9
number	37,504	274,259	240,486	342,960	14,930	(D)
200 to 499 ..... farms	186	1,011	1,552	2,023	110	1
number	55,847	287,426	463,383	601,110	31,809	(D)
500 or more ..... farms	69	423	531	1,692	88	-
number	81,238	448,022	647,624	5,915,237	119,910	-

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
INVENTORY - Con.						
Cattle and calves - Con.						
Cattle on feed (see text) ..... farms, 2007	55	34	845	8	342	3,989
2002	200	112	1,511	13	522	6,606
number, 2007	1,043	154,556	31,204	1,794	84,331	190,638
2002	1,298	130,844	50,917	1,341	59,932	221,400
2007 farms by inventory:						
1 to 9 ..... farms	27	-	467	-	64	1,777
number	(D)	-	1,869	-	258	7,374
10 to 19 ..... farms	9	-	146	1	35	730
number	118	-	1,911	(D)	420	9,587
20 to 49 ..... farms	13	-	117	1	51	721
number	347	-	3,259	(D)	1,695	21,341
50 to 99 ..... farms	5	5	47	1	66	340
number	330	356	3,249	(D)	4,290	22,478
100 to 199 ..... farms	1	3	24	3	51	227
number	(D)	484	3,225	395	6,743	30,092
200 to 499 ..... farms	-	10	30	1	42	130
number	-	3,089	8,071	(D)	12,805	37,603
500 or more ..... farms	-	16	14	1	33	64
number	-	150,627	9,620	(D)	58,120	62,163
SALES						
Dairy products sold ..... farms, 2007	158	253	5,799	472	410	3,681
2002	138	182	6,681	706	551	4,255
$1,000, 2007	34,091	1,009,671	2,280,218	161,373	78,959	861,632
2002	29,154	730,083	1,560,895	150,406	65,450	551,877
Cattle and calves sold ..... farms, 2007	1,136	7,021	10,898	15,953	10,025	21,438
2002	1,227	5,622	11,972	18,584	10,944	22,938
number, 2007	13,955	952,841	583,468	463,680	1,109,460	793,955
2002	15,540	1,064,524	579,216	415,561	1,100,004	728,224
$1,000, 2007	9,559	576,025	318,080	288,801	856,489	565,746
2002	7,094	533,952	251,121	185,222	625,070	408,242
2007 farms by number sold:						
1 to 9 ..... farms	825	2,895	3,839	6,879	1,056	10,779
number	2,691	11,828	16,106	31,690	5,232	45,834
10 to 19 ..... farms	123	1,087	1,940	3,747	980	4,423
number	1,595	14,521	26,309	50,305	13,610	59,371
20 to 49 ..... farms	113	1,078	2,723	3,366	2,365	3,738
number	3,518	33,735	85,817	98,735	77,057	111,087
50 to 99 ..... farms	60	633	1,277	1,156	2,325	1,300
number	3,807	44,104	85,458	77,381	163,988	86,195
100 to 199 ..... farms	12	484	546	503	1,973	614
number	1,563	66,995	74,217	68,564	269,799	84,016
200 to 499 ..... farms	3	465	397	228	1,059	313
number	781	142,919	120,469	65,389	303,984	95,918
500 or more ..... farms	-	379	176	74	267	271
number	-	638,739	175,092	71,616	275,790	311,534
Calves weighing less than 500 pounds, sold ..... farms, 2007	417	4,135	6,466	9,688	3,235	9,743
2002	409	3,836	6,956	13,142	3,663	10,242
number, 2007	5,517	323,560	297,504	149,464	120,840	294,175
2002	6,115	388,263	287,536	165,929	136,318	227,992
2007 farms by number sold:						
1 to 9 ..... farms	276	1,908	2,075	5,163	929	5,373
number	877	7,490	8,556	22,912	3,894	22,056
10 to 19 ..... farms	52	660	1,280	2,371	627	2,094
number	(D)	8,636	17,104	30,348	8,064	27,002
20 to 49 ..... farms	58	703	1,947	1,636	920	1,557
number	(D)	21,134	56,982	45,205	27,453	44,157
50 to 99 ..... farms	25	347	609	369	469	348
number	(D)	23,169	39,086	23,295	31,132	21,809
100 to 199 ..... farms	5	210	262	107	226	142
number	(D)	27,015	35,075	13,671	29,824	19,263
200 to 499 ..... farms	1	163	207	34	59	99
number	(D)	48,594	64,115	8,794	16,773	30,201
500 or more ..... farms	-	144	86	8	5	130
number	-	187,522	76,586	5,239	3,700	129,687
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	993	5,470	9,878	12,988	9,489	18,672
2002	1,110	4,424	10,921	14,532	10,235	20,136
number, 2007	8,438	629,281	285,964	314,216	988,620	499,780
2002	9,425	676,261	291,680	249,632	963,686	500,232
2007 farms by number sold:						
1 to 9 ..... farms	769	2,514	4,670	7,319	1,168	11,318
number	2,447	9,219	19,182	29,367	5,604	44,247
10 to 19 ..... farms	97	759	2,296	2,487	1,015	3,249
number	1,225	9,843	30,156	32,320	13,861	42,570
20 to 49 ..... farms	103	795	1,795	1,920	2,274	2,518
number	2,972	24,376	52,112	55,282	73,926	73,380
50 to 99 ..... farms	19	432	567	711	2,198	781
number	1,215	29,511	37,837	47,035	154,534	51,955
100 to 199 ..... farms	5	360	309	325	1,681	423
number	579	48,694	41,493	44,264	226,817	57,136
200 to 499 ..... farms	-	364	187	168	910	254
number	-	110,597	54,992	48,465	257,473	78,968
500 or more ..... farms	-	246	54	58	243	129
number	-	397,041	50,192	57,483	256,405	151,524

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
INVENTORY - Con.					
Cattle and calves - Con.					
Cattle on feed (see text) ..... farms, 2007	617	476	3,038	7	116
2002	1,692	1,132	4,836	8	288
number, 2007	357,906	116,095	144,174	23	1,378
2002	363,792	95,383	155,063	69	5,693
2007 farms by inventory:					
1 to 9 ..... farms	258	313	1,242	7	80
number	945	1,022	5,405	23	342
10 to 19 ..... farms	73	35	575	-	19
number	968	441	7,485	-	(D)
20 to 49 ..... farms	97	22	544	-	12
number	2,884	624	16,287	-	382
50 to 99 ..... farms	81	33	362	-	4
number	5,541	2,246	24,864	-	267
100 to 199 ..... farms	54	21	150	-	1
number	7,231	2,673	20,334	-	(D)
200 to 499 ..... farms	29	29	120	-	-
number	8,406	8,466	34,524	-	-
500 or more ..... farms	25	23	45	-	-
number	331,931	100,623	35,275	-	-
SALES					
Dairy products sold ..... farms, 2007	1,022	592	8,407	39	115
2002	989	515	9,146	28	215
$1,000, 2007	191,775	401,786	1,890,190	4,599	52,550
2002	163,006	293,927	1,393,992	3,859	46,240
Cattle and calves sold ..... farms, 2007	45,512	13,077	19,784	148	6,782
2002	51,414	13,654	20,571	118	7,139
number, 2007	3,895,053	1,020,380	810,533	1,629	187,787
2002	4,218,687	975,593	808,556	1,479	179,594
$1,000, 2007	3,062,020	800,336	556,192	846	105,282
2002	2,448,916	543,231	441,671	735	76,146
2007 farms by number sold:					
1 to 9 ..... farms	14,288	7,404	7,660	115	2,745
number	65,683	26,844	30,971	389	12,796
10 to 19 ..... farms	9,125	1,738	3,346	16	1,613
number	123,506	23,302	45,149	(D)	21,804
20 to 49 ..... farms	10,770	1,599	5,316	11	1,518
number	328,321	49,507	166,129	369	46,257
50 to 99 ..... farms	5,329	911	2,047	4	618
number	363,378	61,882	135,954	332	40,745
100 to 199 ..... farms	2,920	575	755	2	200
number	395,064	77,749	99,534	(D)	25,555
200 to 499 ..... farms	1,976	500	460	-	69
number	579,614	151,230	141,795	-	18,979
500 or more ..... farms	1,104	350	200	-	19
number	2,039,487	629,866	191,001	-	21,651
Calves weighing less than 500 pounds, sold ..... farms, 2007	23,639	4,542	10,095	63	4,833
2002	31,678	5,032	11,215	59	5,450
number, 2007	563,368	163,896	344,871	843	77,040
2002	656,604	145,064	340,746	687	80,535
2007 farms by number sold:					
1 to 9 ..... farms	10,754	2,605	3,241	45	2,320
number	46,472	9,258	13,247	160	10,541
10 to 19 ..... farms	5,521	642	2,231	6	1,243
number	71,513	8,215	29,808	(D)	15,815
20 to 49 ..... farms	5,084	646	3,444	8	1,011
number	146,293	19,232	96,273	229	28,234
50 to 99 ..... farms	1,430	282	672	2	201
number	93,526	18,283	42,122	(D)	12,816
100 to 199 ..... farms	543	176	242	2	46
number	70,262	23,213	31,756	(D)	(D)
200 to 499 ..... farms	247	138	180	-	11
number	67,925	40,584	57,505	-	(D)
500 or more ..... farms	60	53	85	-	1
number	67,377	45,111	74,160	-	(D)
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	38,313	11,806	17,650	126	5,408
2002	42,479	12,419	18,337	94	5,470
number, 2007	3,331,685	856,484	465,662	786	110,747
2002	3,562,083	830,529	467,810	792	99,059
2007 farms by number sold:					
1 to 9 ..... farms	14,763	7,123	8,783	107	3,067
number	61,819	24,261	36,012	339	12,319
10 to 19 ..... farms	7,295	1,457	4,057	11	1,054
number	96,756	19,357	53,415	159	13,526
20 to 49 ..... farms	7,658	1,353	3,146	8	833
number	230,516	41,434	92,798	288	24,111
50 to 99 ..... farms	3,874	747	900	-	303
number	262,190	51,002	58,965	-	19,266
100 to 199 ..... farms	2,100	473	403	-	100
number	281,340	63,667	52,907	-	12,918
200 to 499 ..... farms	1,620	397	262	-	35
number	478,035	120,673	76,994	-	10,086
500 or more ..... farms	1,003	256	99	-	16
number	1,921,029	536,090	94,571	-	18,521

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
INVENTORY - Con.					
Cattle and calves - Con.					
Cattle on feed (see text) ..... farms, 2007	1,793	57	1,466	378	80
2002	2,485	41	4,977	676	114
number, 2007	517,783	3,124	3,056,260	33,992	2,135
2002	489,410	1,371	2,768,023	66,215	2,786
2007 farms by inventory:					
1 to 9 ..... farms	146	42	636	207	59
number	628	(D)	2,182	820	191
10 to 19 ..... farms	111	6	194	49	10
number	1,524	79	2,546	602	129
20 to 49 ..... farms	272	3	143	39	5
number	8,845	82	4,196	1,279	(D)
50 to 99 ..... farms	329	-	143	39	2
number	22,498	-	9,781	2,889	(D)
100 to 199 ..... farms	366	-	100	25	2
number	49,619	-	13,174	3,311	(D)
200 to 499 ..... farms	317	4	104	9	1
number	92,515	1,007	31,166	2,439	(D)
500 or more ..... farms	252	2	146	10	1
number	342,154	(D)	2,993,215	22,652	(D)
SALES					
Dairy products sold ..... farms, 2007	672	1,115	1,268	422	1,222
2002	982	1,048	1,162	451	1,393
$1,000, 2007	279,765	180,503	1,245,441	292,141	493,926
2002	156,498	173,410	676,703	196,812	342,440
Cattle and calves sold ..... farms, 2007	15,171	38,961	116,626	6,257	1,937
2002	17,060	42,017	125,518	5,617	2,104
number, 2007	2,745,227	1,095,372	11,841,250	519,155	107,049
2002	2,707,872	1,126,131	12,603,171	636,098	136,244
$1,000, 2007	2,307,618	633,303	10,503,774	347,299	57,581
2002	1,693,838	499,143	8,083,024	371,418	45,106
2007 farms by number sold:					
1 to 9 ..... farms	1,456	14,812	51,318	2,256	713
number	6,746	68,135	220,305	9,191	2,602
10 to 19 ..... farms	1,327	9,652	22,997	846	293
number	18,603	130,909	309,846	11,166	3,955
20 to 49 ..... farms	2,911	9,249	21,935	1,204	426
number	95,070	278,551	665,080	37,129	13,381
50 to 99 ..... farms	3,062	3,647	10,109	889	262
number	219,256	244,975	690,032	60,895	17,920
100 to 199 ..... farms	3,018	1,116	5,149	517	131
number	417,400	147,732	693,684	70,144	17,597
200 to 499 ..... farms	2,419	354	3,215	385	80
number	707,730	97,511	953,959	116,919	24,566
500 or more ..... farms	978	131	1,903	160	32
number	1,280,422	127,559	8,308,344	213,711	27,028
Calves weighing less than 500 pounds, sold ..... farms, 2007	4,700	24,511	70,541	2,663	1,193
2002	5,789	29,047	93,673	2,671	1,389
number, 2007	327,781	368,845	1,716,206	126,293	58,993
2002	386,898	382,075	2,072,660	159,453	83,183
2007 farms by number sold:					
1 to 9 ..... farms	1,110	12,438	36,901	1,072	310
number	4,623	55,732	153,826	4,403	1,168
10 to 19 ..... farms	772	6,345	14,966	460	214
number	10,327	82,499	194,492	5,804	(D)
20 to 49 ..... farms	1,198	4,559	12,470	624	371
number	36,022	128,256	361,558	18,101	11,416
50 to 99 ..... farms	722	909	3,722	239	157
number	48,771	57,663	241,305	14,883	10,196
100 to 199 ..... farms	517	201	1,487	136	79
number	70,067	24,859	190,642	17,848	10,550
200 to 499 ..... farms	300	48	748	99	53
number	83,826	12,380	218,173	26,973	16,260
500 or more ..... farms	81	11	247	33	9
number	74,145	7,456	356,210	38,281	(D)
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	14,153	32,823	94,783	5,506	1,756
2002	15,638	33,985	98,946	4,989	1,934
number, 2007	2,417,446	726,527	10,125,044	392,862	48,056
2002	2,320,974	744,056	10,530,511	476,645	53,061
2007 farms by number sold:					
1 to 9 ..... farms	1,562	16,832	50,564	2,155	863
number	6,881	70,032	193,132	8,179	3,272
10 to 19 ..... farms	1,298	7,218	16,177	798	370
number	18,039	94,944	211,824	10,369	4,839
20 to 49 ..... farms	2,794	5,834	14,763	1,062	321
number	90,980	173,210	441,253	32,179	9,698
50 to 99 ..... farms	2,976	1,961	6,155	695	112
number	211,926	128,529	410,368	47,426	7,427
100 to 199 ..... farms	2,648	626	3,289	396	54
number	362,438	82,295	439,422	52,862	7,309
200 to 499 ..... farms	2,035	243	2,297	286	27
number	588,525	69,674	670,685	84,975	7,626
500 or more ..... farms	840	109	1,538	114	9
number	1,138,657	107,843	7,758,360	156,872	7,885

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
INVENTORY - Con.					
Cattle and calves - Con.					
Cattle on feed (see text) ..... farms, 2007	579	313	35	5,503	66
2002	1,790	925	55	7,527	274
number, 2007	28,283	163,683	3,707	277,759	79,567
2002	65,650	212,638	6,787	245,964	84,025
2007 farms by inventory:					
1 to 9 ..... farms	246	232	-	1,540	-
number	957	731	-	6,828	-
10 to 19 ..... farms	102	22	2	1,015	-
number	(D)	284	(D)	13,248	-
20 to 49 ..... farms	108	21	8	1,368	-
number	(D)	595	(D)	40,811	-
50 to 99 ..... farms	50	9	16	840	5
number	(D)	677	1,133	54,675	450
100 to 199 ..... farms	37	8	4	479	21
number	4,995	1,031	460	61,684	2,988
200 to 499 ..... farms	34	8	5	213	16
number	9,949	2,150	1,818	60,088	5,395
500 or more ..... farms	2	13	-	48	24
number	(D)	158,215	-	40,425	70,734
SALES					
Dairy products sold ..... farms, 2007	1,173	823	161	14,270	32
2002	1,253	884	395	16,972	81
$1,000, 2007	330,344	873,365	31,386	4,573,294	22,331
2002	275,402	634,908	32,202	2,651,018	7,473
Cattle and calves sold ..... farms, 2007	21,884	9,521	10,474	30,193	4,880
2002	23,970	8,979	9,513	31,807	4,997
number, 2007	880,607	912,299	249,845	1,513,662	1,036,661
2002	931,879	1,081,584	239,760	1,533,092	1,127,826
$1,000, 2007	574,506	716,720	164,962	1,014,553	801,833
2002	471,703	709,585	117,967	834,895	643,123
2007 farms by number sold:					
1 to 9 ..... farms	7,896	5,541	5,156	8,685	1,021
number	35,560	20,232	22,377	38,053	4,087
10 to 19 ..... farms	4,666	1,331	2,209	5,819	447
number	63,441	17,635	29,573	79,681	6,041
20 to 49 ..... farms	5,261	1,119	2,021	9,034	804
number	160,272	32,556	60,648	280,654	26,125
50 to 99 ..... farms	2,329	555	723	3,846	673
number	157,336	38,289	47,256	256,403	47,515
100 to 199 ..... farms	1,089	397	217	1,586	731
number	142,182	52,628	29,292	210,408	104,115
200 to 499 ..... farms	497	352	118	869	776
number	142,886	103,963	34,204	255,696	235,483
500 or more ..... farms	146	226	30	354	428
number	178,930	646,996	26,495	392,767	613,295
Calves weighing less than 500 pounds, sold ..... farms, 2007	12,168	3,434	5,506	15,109	2,116
2002	14,645	3,212	5,619	17,174	2,318
number, 2007	226,911	185,142	59,433	626,487	201,582
2002	240,339	174,497	66,518	677,600	244,748
2007 farms by number sold:					
1 to 9 ..... farms	6,133	2,039	3,593	4,440	539
number	26,900	7,215	14,565	20,025	2,115
10 to 19 ..... farms	2,964	435	1,154	3,906	242
number	38,587	5,582	14,650	50,999	3,210
20 to 49 ..... farms	2,254	391	600	4,722	441
number	64,268	11,383	16,811	132,588	13,617
50 to 99 ..... farms	571	211	119	1,060	299
number	36,248	14,111	7,401	67,378	20,778
100 to 199 ..... farms	183	166	34	488	308
number	22,869	22,464	4,481	63,593	43,170
200 to 499 ..... farms	51	126	6	331	221
number	13,897	34,915	1,525	95,851	65,993
500 or more ..... farms	12	66	-	162	66
number	24,142	89,472	-	196,053	52,699
Cattle, including calves weighing 500 pounds or more, sold ..... farms, 2007	18,863	8,490	8,801	27,352	4,424
2002	20,380	8,168	7,740	28,758	4,490
number, 2007	653,696	727,157	190,412	887,175	835,079
2002	691,540	907,087	173,242	855,492	883,078
2007 farms by number sold:					
1 to 9 ..... farms	8,499	5,242	5,039	10,399	1,017
number	35,218	18,110	19,688	45,426	4,049
10 to 19 ..... farms	3,725	1,101	1,592	6,486	462
number	48,712	14,416	20,828	85,643	6,224
20 to 49 ..... farms	3,819	940	1,385	6,503	836
number	114,479	27,626	42,054	191,853	26,792
50 to 99 ..... farms	1,551	514	494	2,282	647
number	104,234	35,439	32,306	150,773	45,571
100 to 199 ..... farms	772	331	165	1,034	596
number	100,124	43,811	21,895	134,583	81,971
200 to 499 ..... farms	370	217	100	504	555
number	106,957	60,475	29,589	141,390	165,852
500 or more ..... farms	127	145	26	144	311
number	143,972	527,280	24,052	137,507	504,620

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
SALES - Con.						
Cattle and calves sold - Con.						
Cattle, including calves weighing 500 pounds or more, sold - Con.						
Cattle on feed sold (see text) ..... farms, 2007	76,396	24	15	134	141	711
2002	105,978	253	15	100	1,051	854
number, 2007	27,595,928	6,265	208	355,926	3,646	744,262
2002	28,163,195	5,817	207	342,781	22,488	718,437
2007 farms by number sold:						
1 to 9 ..... farms	34,543	9	9	91	103	465
number	129,460	(D)	28	258	284	1,422
10 to 19 ..... farms	10,574	-	4	12	16	61
number	138,957	-	(D)	141	(D)	743
20 to 49 ..... farms	11,736	2	1	11	9	65
number	357,197	(D)	(D)	318	271	1,985
50 to 99 ..... farms	6,579	3	1	2	3	38
number	449,362	288	(D)	(D)	223	2,452
100 to 199 ..... farms	4,710	1	-	2	5	25
number	634,210	(D)	-	(D)	703	3,372
200 to 499 ..... farms	3,975	4	-	8	4	24
number	1,183,536	1,462	-	2,763	1,417	7,728
500 or more ..... farms	4,279	5	-	8	1	33
number	24,703,206	4,288	-	352,021	(D)	726,560

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
SALES - Con.						
Cattle and calves sold - Con.						
Cattle, including calves weighing 500 pounds or more, sold - Con.						
Cattle on feed sold (see text) ..... farms, 2007	1,183	93	43	481	501	57
2002	1,667	169	62	-	484	41
number, 2007	2,023,275	1,153	4,331	4,397	4,198	292
2002	2,452,462	1,752	989	-	5,052	8,006
2007 farms by number sold:						
1 to 9 ..... farms	702	83	35	394	362	50
number	2,369	329	(D)	1,267	1,230	181
10 to 19 ..... farms	95	6	1	49	75	5
number	1,282	75	(D)	593	986	(D)
20 to 49 ..... farms	89	1	3	22	55	2
number	2,606	(D)	(D)	562	1,471	(D)
50 to 99 ..... farms	58	1	1	7	9	-
number	3,748	(D)	(D)	(D)	511	-
100 to 199 ..... farms	29	1	-	8	-	-
number	3,822	(D)	-	1,288	-	-
200 to 499 ..... farms	65	1	2	1	-	-
number	21,594	(D)	(D)	(D)	-	-
500 or more ..... farms	145	-	1	-	-	-
number	1,987,854	-	(D)	-	-	-

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
SALES - Con.						
Cattle and calves sold - Con.						
Cattle, including calves weighing 500 pounds or more, sold - Con.						
Cattle on feed sold (see text) ..... farms, 2007	968	4,246	3,570	8,866	2,027	1,931
2002	1,165	6,215	5,784	10,386	2,522	2,727
number, 2007	534,839	419,333	118,886	2,319,313	5,551,725	34,398
2002	771,622	506,085	173,549	1,806,291	5,227,683	42,102
2007 farms by number sold:						
1 to 9 ..... farms	573	1,588	1,901	1,760	590	1,150
number	1,991	6,440	7,464	7,531	2,194	4,447
10 to 19 ..... farms	104	762	637	998	166	355
number	1,380	10,146	8,365	13,375	2,177	4,684
20 to 49 ..... farms	134	801	552	1,703	246	269
number	3,785	24,525	16,322	53,072	7,596	7,756
50 to 99 ..... farms	54	438	259	1,230	215	100
number	3,541	29,954	17,289	84,890	15,373	6,672
100 to 199 ..... farms	26	249	128	1,056	182	40
number	3,387	33,957	16,887	144,823	25,209	4,996
200 to 499 ..... farms	29	220	69	978	254	13
number	8,397	65,345	20,428	291,004	75,078	3,215
500 or more ..... farms	48	188	24	1,141	374	4
number	512,358	248,966	32,131	1,724,618	5,424,098	2,628

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
SALES - Con.						
Cattle and calves sold - Con.						
Cattle, including calves weighing 500 pounds or more, sold - Con.						
Cattle on feed sold (see text) .....farms, 2007	-	253	481	121	3,825	7,159
2002	15	256	743	163	4,590	8,175
number, 2007	-	2,463	11,559	948	176,731	703,091
2002	2,207	3,523	20,786	950	207,660	620,325
2007 farms by number sold:						
1 to 9 ..... farms	-	204	306	104	2,198	2,247
number	-	663	1,104	(D)	8,262	9,391
10 to 19 ..... farms	-	20	76	3	581	1,202
number	-	273	(D)	40	7,449	15,962
20 to 49 ..... farms	-	22	58	10	499	1,528
number	-	560	1,813	(D)	14,563	47,719
50 to 99 ..... farms	-	4	28	3	253	872
number	-	(D)	1,832	165	16,650	59,482
100 to 199 ..... farms	-	1	9	1	133	558
number	-	(D)	1,236	(D)	17,561	73,647
200 to 499 ..... farms	-	2	3	-	99	430
number	-	(D)	(D)	-	28,383	126,876
500 or more ..... farms	-	-	1	-	62	322
number	-	-	(D)	-	83,863	370,014

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
SALES - Con.						
Cattle and calves sold - Con.						
Cattle, including calves weighing 500 pounds or more, sold - Con.						
Cattle on feed sold (see text) .....farms, 2007	-	2,918	533	3,406	69	17
2002	164	4,903	691	4,623	147	98
number, 2007	-	146,637	76,307	5,117,391	13,600	117
2002	1,315	217,172	100,794	4,995,386	37,662	633
2007 farms by number sold:						
1 to 9 ..... farms	-	1,474	302	552	39	15
number	-	5,749	1,159	1,997	139	(D)
10 to 19 ..... farms	-	439	83	255	5	-
number	-	5,746	1,049	3,333	60	-
20 to 49 ..... farms	-	514	62	412	3	2
number	-	15,495	1,882	13,120	84	(D)
50 to 99 ..... farms	-	214	32	407	3	-
number	-	14,565	2,372	28,505	170	-
100 to 199 ..... farms	-	145	17	398	9	-
number	-	18,893	2,387	55,507	(D)	-
200 to 499 ..... farms	-	87	9	480	9	-
number	-	26,513	2,947	147,468	(D)	-
500 or more ..... farms	-	45	28	902	1	-
number	-	59,676	64,511	4,867,461	(D)	-

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
SALES - Con.						
Cattle and calves sold - Con.						
Cattle, including calves weighing 500 pounds or more, sold - Con.						
Cattle on feed sold (see text) .....farms, 2007	167	178	1,601	10	735	5,341
2002	316	218	2,281	21	841	8,240
number, 2007	1,067	165,912	45,123	1,816	125,568	221,332
2002	1,594	191,756	63,292	1,736	98,699	277,685
2007 farms by number sold:						
1 to 9 ..... farms	140	95	1,098	-	201	3,147
number	460	299	3,964	-	834	11,738
10 to 19 ..... farms	12	18	239	1	110	733
number	152	228	3,085	(D)	1,430	9,676
20 to 49 ..... farms	15	13	141	3	153	754
number	455	437	3,969	111	4,736	22,890
50 to 99 ..... farms	-	18	51	3	102	281
number	-	1,080	3,517	197	6,995	18,745
100 to 199 ..... farms	-	3	27	1	80	217
number	-	353	3,654	(D)	10,948	29,793
200 to 499 ..... farms	-	13	28	1	46	130
number	-	4,401	9,067	(D)	14,397	38,300
500 or more ..... farms	-	18	17	1	43	79
number	-	159,114	17,867	(D)	86,228	90,190

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Table 11. **Cattle and Calves - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
SALES - Con.					
Cattle and calves sold - Con.					
Cattle, including calves weighing 500 pounds or more, sold - Con.					
Cattle on feed sold (see text) ..... farms, 2007	1,472	1,344	4,267	12	297
2002	2,409	2,217	6,181	17	378
number, 2007	766,139	227,805	167,806	76	4,939
2002	934,350	182,893	203,382	73	3,993
2007 farms by number sold:					
1 to 9 ..... farms	765	1,029	2,429	9	191
number	2,648	3,253	9,564	40	691
10 to 19 ..... farms	227	115	710	3	49
number	2,994	1,478	9,324	36	634
20 to 49 ..... farms	177	49	547	-	32
number	5,215	1,375	16,386	-	1,002
50 to 99 ..... farms	130	57	254	-	18
number	9,003	3,957	17,260	-	1,108
100 to 199 ..... farms	76	38	160	-	3
number	9,990	4,751	21,208	-	372
200 to 499 ..... farms	56	33	99	-	4
number	16,997	9,752	30,951	-	1,132
500 or more ..... farms	41	23	68	-	-
number	719,292	203,239	63,113	-	-

Item	South Dakota	Tennessee	Texas	Utah	Vermont
SALES - Con.					
Cattle and calves sold - Con.					
Cattle, including calves weighing 500 pounds or more, sold - Con.					
Cattle on feed sold (see text) ..... farms, 2007	2,417	84	3,392	778	177
2002	3,210	60	6,552	1,045	206
number, 2007	806,581	3,798	5,742,530	69,662	3,767
2002	710,851	2,176	6,102,873	100,909	3,224
2007 farms by number sold:					
1 to 9 ..... farms	300	48	2,061	456	151
number	1,269	162	6,519	1,719	(D)
10 to 19 ..... farms	212	21	380	96	13
number	2,876	277	4,994	1,193	175
20 to 49 ..... farms	430	7	335	105	6
number	13,705	(D)	9,970	3,030	183
50 to 99 ..... farms	375	2	156	55	2
number	26,690	(D)	10,700	3,843	(D)
100 to 199 ..... farms	422	-	138	28	-
number	57,128	-	18,775	3,777	-
200 to 499 ..... farms	349	3	141	18	4
number	99,101	600	41,157	5,188	1,100
500 or more ..... farms	329	3	181	20	1
number	605,812	2,400	5,650,415	50,912	(D)

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
SALES - Con.					
Cattle and calves sold - Con.					
Cattle, including calves weighing 500 pounds or more, sold - Con.					
Cattle on feed sold (see text) ..... farms, 2007	1,301	871	476	7,466	237
2002	2,336	1,496	481	8,931	479
number, 2007	44,946	388,785	9,871	280,471	142,643
2002	81,921	459,879	11,287	276,754	160,132
2007 farms by number sold:					
1 to 9 ..... farms	730	683	353	3,265	86
number	2,703	2,250	1,354	12,760	298
10 to 19 ..... farms	189	80	46	1,293	17
number	2,460	998	613	16,915	217
20 to 49 ..... farms	184	50	41	1,585	34
number	5,521	1,517	1,227	47,979	1,184
50 to 99 ..... farms	93	15	17	695	20
number	6,461	1,072	1,216	46,045	1,358
100 to 199 ..... farms	62	11	9	384	28
number	8,198	1,435	1,097	49,063	3,842
200 to 499 ..... farms	35	11	5	188	20
number	9,891	3,493	1,328	54,263	5,830
500 or more ..... farms	8	21	5	56	32
number	9,712	378,020	3,036	53,446	129,914

Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
INVENTORY						
Total hogs and pigs ....farms, 2007	75,442	753	43	378	1,142	1,389
2002	78,895	576	48	208	846	1,521
number, 2007	67,786,318	178,275	757	(D)	289,342	153,983
2002	60,405,103	168,013	1,201	(D)	305,659	163,465
Farms by inventory:						
1 to 24 ....farms, 2007	45,047	618	36	351	901	1,203
2002	38,303	417	37	177	553	1,251
number, 2007	260,154	3,877	219	1,409	4,728	5,600
2002	262,098	3,087	272	911	3,761	7,642
25 to 49 ....farms, 2007	4,292	50	3	6	58	84
2002	5,650	48	7	14	81	108
number, 2007	146,672	(D)	(D)	228	1,965	2,845
2002	193,931	1,585	252	485	2,784	3,703
50 to 99 ....farms, 2007	3,182	25	3	12	36	45
2002	4,682	26	2	11	49	67
number, 2007	215,206	1,822	232	842	2,324	3,190
2002	319,128	1,762	(D)	(D)	3,201	4,541
100 to 199 ....farms, 2007	2,590	15	-	4	10	26
2002	4,611	19	-	3	18	46
number, 2007	354,203	1,836	-	(D)	1,230	3,858
2002	626,869	2,490	-	(D)	2,315	5,733
200 to 499 ....farms, 2007	4,524	8	1	3	7	14
2002	7,755	22	2	2	21	32
number, 2007	1,467,383	2,540	(D)	830	2,509	3,790
2002	2,463,794	6,311	(D)	(D)	6,174	10,089
500 to 999 ....farms, 2007	3,588	2	-	1	42	6
2002	6,010	11	-	-	54	7
number, 2007	2,488,234	(D)	-	(D)	31,829	3,570
2002	4,175,405	7,146	-	-	39,473	5,163
1,000 or more ....farms, 2007	12,219	35	-	1	88	11
2002	11,884	33	-	1	70	10
number, 2007	62,854,466	165,265	-	(D)	244,757	131,130
2002	52,363,878	145,632	-	(D)	247,951	126,594
Hogs and pigs used or to be used for breeding ....farms, 2007	32,867	438	26	157	638	654
2002	39,367	370	32	114	499	766
number, 2007	6,290,610	18,291	(D)	(D)	84,044	21,364
2002	6,174,439	12,507	305	(D)	79,079	24,505
2007 farms by inventory:						
1 to 24	24,006	400	25	147	517	578
25 to 49	2,427	14	-	5	9	34
50 to 99	1,815	11	-	2	8	24
100 or more	4,619	13	1	3	104	18
Other hogs and pigs ....farms, 2007	66,441	605	33	304	925	1,119
2002	71,923	462	38	168	713	1,266
number, 2007	61,495,708	159,984	(D)	(D)	205,298	132,619
2002	54,230,664	155,506	896	(D)	226,580	138,960
SALES						
Hogs and pigs sold ....farms, 2007	74,789	547	50	284	954	1,267
2002	82,028	561	47	168	867	1,513
number, 2007	206,807,181	733,285	2,053	(D)	1,866,416	296,378
2002	184,997,686	713,668	2,002	(D)	2,408,257	308,769
$1,000, 2007	18,056,981	54,618	242	(D)	84,202	34,188
2002	12,400,977	39,441	205	(D)	123,803	27,488
2007 farms by number sold:						
1 to 24 .... farms	39,101	406	39	243	652	989
number	249,834	2,822	238	1,040	4,098	5,096
25 to 49 .... farms	4,819	47	3	8	85	89
number	163,975	(D)	115	(D)	2,781	2,995
50 to 99 .... farms	3,660	26	5	22	37	82
number	246,540	1,954	350	(D)	2,360	5,464
100 to 199 .... farms	3,052	10	1	4	31	34
number	411,738	(D)	(D)	(D)	3,865	4,169
200 to 499 .... farms	4,253	12	1	3	7	42
number	1,305,183	2,890	(D)	844	2,142	12,002
500 to 999 .... farms	3,357	7	1	1	4	9
number	2,370,219	4,710	(D)	(D)	2,716	5,369
1,000 or more .... farms	16,547	39	-	3	138	22
number	202,059,692	717,945	-	(D)	1,848,454	261,283

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
INVENTORY						
Total hogs and pigs ..... farms, 2007	1,171	244	77	1,906	1,111	225
2002	989	157	84	1,471	1,148	204
number, 2007	882,695	3,645	8,955	19,937	263,471	14,933
2002	783,467	3,232	11,775	33,479	347,816	23,364
Farms by inventory:						
1 to 24 ..... farms, 2007	1,010	209	58	1,771	905	145
2002	656	139	54	1,159	645	113
number, 2007	6,218	1,181	291	8,538	4,551	1,032
2002	4,055	902	(D)	8,070	5,143	886
25 to 49 ..... farms, 2007	70	23	13	68	64	35
2002	75	6	12	148	136	19
number, 2007	2,194	797	(D)	2,142	2,197	(D)
2002	2,457	198	402	4,859	4,654	625
50 to 99 ..... farms, 2007	26	6	-	42	39	16
2002	60	5	3	109	119	22
number, 2007	1,772	490	-	2,609	2,653	1,083
2002	3,927	382	(D)	7,119	8,088	1,516
100 to 199 ..... farms, 2007	22	3	-	12	19	10
2002	59	3	4	34	67	17
number, 2007	2,565	360	-	1,418	2,438	1,403
2002	7,877	372	530	4,073	9,291	2,475
200 to 499 ..... farms, 2007	10	3	2	10	23	9
2002	82	4	4	14	82	19
number, 2007	3,149	817	(D)	3,080	7,137	2,715
2002	24,015	1,378	1,150	(D)	23,327	5,472
500 to 999 ..... farms, 2007	5	-	-	2	12	8
2002	32	-	2	5	40	11
number, 2007	3,860	-	-	(D)	8,515	4,836
2002	20,857	-	(D)	3,000	25,706	7,078
1,000 or more ..... farms, 2007	28	-	4	1	49	2
2002	25	-	5	2	59	3
number, 2007	862,937	-	7,774	(D)	235,980	(D)
2002	720,279	-	7,388	(D)	271,607	5,312
Hogs and pigs used or to be used for breeding ..... farms, 2007	511	116	21	952	593	156
2002	477	75	46	887	781	160
number, 2007	167,012	944	2,565	5,406	44,111	3,875
2002	166,410	753	2,592	7,799	52,089	5,843
2007 farms by inventory:						
1 to 24	464	108	14	920	515	126
25 to 49	19	7	3	22	21	7
50 to 99	7	-	-	3	18	11
100 or more	21	1	4	7	39	12
Other hogs and pigs ..... farms, 2007	1,032	191	71	1,455	893	190
2002	886	136	71	1,218	970	180
number, 2007	715,683	2,701	6,390	14,531	219,360	11,058
2002	617,057	2,479	9,183	25,680	295,727	17,521
SALES						
Hogs and pigs sold ..... farms, 2007	1,230	251	84	1,326	830	148
2002	1,158	176	86	1,090	995	158
number, 2007	2,376,709	6,818	49,898	25,398	942,400	20,569
2002	2,933,721	7,079	68,934	50,533	1,179,137	33,231
$1,000, 2007	159,808	616	2,754	2,220	68,369	(D)
2002	179,415	(D)	2,853	3,154	65,384	4,612
2007 farms by number sold:						
1 to 24 ..... farms	972	192	58	1,147	551	87
number	6,054	1,176	404	7,029	3,391	781
25 to 49 ..... farms	91	18	4	101	66	10
number	3,040	546	163	3,356	2,208	331
50 to 99 ..... farms	73	25	2	39	61	23
number	4,687	1,509	(D)	(D)	3,750	1,561
100 to 199 ..... farms	25	9	4	22	37	10
number	3,125	(D)	(D)	2,687	4,547	1,395
200 to 499 ..... farms	25	6	10	12	36	3
number	7,019	1,720	2,426	3,386	9,761	800
500 to 999 ..... farms	12	1	1	2	21	8
number	7,967	(D)	(D)	(D)	15,514	5,206
1,000 or more ..... farms	32	-	5	3	58	7
number	2,344,817	-	45,835	5,160	903,229	10,495

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
INVENTORY						
Total hogs and pigs ....farms, 2007	657	2,864	3,420	8,330	1,454	1,498
2002	841	3,929	4,087	10,205	1,648	1,254
number, 2007	32,794	4,298,716	3,669,057	19,295,092	1,885,252	348,023
2002	23,352	4,094,706	3,478,570	15,486,531	1,520,996	385,811
Farms by inventory:						
1 to 24 ....farms, 2007	573	846	1,425	780	746	1,187
2002	709	751	1,164	821	817	848
number, 2007	3,101	6,953	10,493	6,803	5,742	6,215
2002	4,097	7,138	10,011	7,154	5,171	5,838
25 to 49 ....farms, 2007	48	173	206	245	116	96
2002	72	252	324	297	140	98
number, 2007	1,630	5,936	7,032	8,643	3,956	(D)
2002	2,676	8,813	11,070	10,439	4,888	3,354
50 to 99 ....farms, 2007	16	184	208	340	126	35
2002	29	285	270	432	120	57
number, 2007	1,194	12,330	14,378	23,489	8,526	(D)
2002	1,789	19,821	19,389	30,340	8,340	3,799
100 to 199 ....farms, 2007	7	168	157	529	112	38
2002	12	336	350	733	130	45
number, 2007	875	24,103	20,734	73,412	15,155	5,219
2002	(D)	46,886	48,196	101,516	17,569	5,985
200 to 499 ....farms, 2007	5	357	358	1,318	105	29
2002	15	727	696	1,999	156	67
number, 2007	1,675	116,940	123,551	439,822	35,029	8,229
2002	3,916	239,203	225,464	651,802	48,967	19,231
500 to 999 ....farms, 2007	7	269	317	1,171	75	45
2002	1	608	495	2,047	88	58
number, 2007	(D)	189,194	211,646	804,492	53,631	31,265
2002	(D)	420,446	343,481	1,421,544	61,359	43,250
1,000 or more ....farms, 2007	1	867	749	3,947	174	68
2002	3	970	788	3,876	197	81
number, 2007	(D)	3,943,260	3,281,223	17,938,431	1,763,213	291,257
2002	8,591	3,352,399	2,820,959	13,263,736	1,374,702	304,354
Hogs and pigs used or to be used for breeding ....farms, 2007	247	1,453	1,825	2,657	764	800
2002	331	2,313	2,443	4,386	904	718
number, 2007	6,092	510,123	313,632	1,086,195	185,054	42,354
2002	3,452	446,095	336,240	1,145,323	156,062	44,884
2007 farms by inventory:						
1 to 24	230	688	1,032	844	512	678
25 to 49	4	172	210	366	92	34
50 to 99	9	153	144	409	56	32
100 or more	4	440	439	1,038	104	56
Other hogs and pigs ....farms, 2007	581	2,625	3,017	8,045	1,327	1,219
2002	762	3,696	3,742	9,863	1,503	1,099
number, 2007	26,702	3,788,593	3,355,425	18,208,897	1,700,198	305,669
2002	19,900	3,648,611	3,142,330	14,341,208	1,364,934	340,927
SALES						
Hogs and pigs sold ....farms, 2007	728	3,063	3,790	8,758	1,542	1,210
2002	980	4,313	4,603	11,275	1,939	1,220
number, 2007	65,618	13,196,581	9,523,891	47,279,443	4,712,308	802,782
2002	39,482	11,178,721	8,221,628	41,232,492	3,512,384	986,704
$1,000, 2007	6,757	1,105,271	974,290	4,827,224	506,448	90,198
2002	3,260	844,360	633,112	3,078,455	297,505	69,722
2007 farms by number sold:						
1 to 24 .... farms	599	721	1,355	710	638	849
number	3,478	5,962	10,017	6,382	5,048	5,483
25 to 49 .... farms	50	154	259	232	146	94
number	1,696	5,297	8,890	8,252	5,176	3,213
50 to 99 .... farms	29	191	261	289	98	49
number	2,010	13,205	17,142	19,516	6,852	3,369
100 to 199 .... farms	18	188	190	321	143	38
number	2,298	25,415	27,337	44,256	19,241	4,906
200 to 499 .... farms	23	299	314	931	181	29
number	7,713	94,936	99,484	296,478	52,642	8,297
500 to 999 .... farms	3	255	248	1,066	84	44
number	1,810	177,889	180,270	760,668	59,648	30,926
1,000 or more .... farms	6	1,255	1,163	5,209	252	107
number	46,613	12,873,877	9,180,751	46,143,891	4,563,701	746,588

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
INVENTORY						
Total hogs and pigs ..... farms, 2007	718	437	412	453	2,691	4,382
2002	680	328	355	273	2,180	5,628
number, 2007	10,615	4,401	(D)	11,553	1,032,054	7,652,284
2002	18,262	4,637	(D)	11,434	927,400	6,440,067
Farms by inventory:						
1 to 24 ..... farms, 2007	621	418	338	368	1,782	1,089
2002	549	297	248	215	1,291	1,320
number, 2007	3,764	1,797	1,680	2,043	11,546	8,399
2002	3,452	1,414	1,848	1,152	9,356	9,620
25 to 49 ..... farms, 2007	53	8	23	34	219	210
2002	85	15	28	27	184	294
number, 2007	1,836	258	751	1,277	7,382	7,500
2002	2,888	494	946	922	6,341	9,991
50 to 99 ..... farms, 2007	27	3	17	31	137	191
2002	17	6	20	7	151	320
number, 2007	1,607	(D)	1,034	1,955	9,271	12,987
2002	(D)	427	1,362	(D)	10,214	21,376
100 to 199 ..... farms, 2007	14	5	11	11	103	184
2002	18	7	28	8	120	420
number, 2007	1,843	708	1,523	1,500	13,145	25,822
2002	2,440	987	3,647	1,100	15,940	56,550
200 to 499 ..... farms, 2007	2	1	7	6	137	494
2002	5	2	12	10	129	900
number, 2007	(D)	(D)	1,840	(D)	44,025	160,952
2002	1,975	(D)	3,501	2,645	40,340	287,157
500 to 999 ..... farms, 2007	1	2	5	1	104	459
2002	2	1	8	4	85	750
number, 2007	(D)	(D)	3,305	(D)	75,366	321,766
2002	(D)	(D)	5,999	(D)	64,942	521,358
1,000 or more ..... farms, 2007	-	-	11	2	209	1,755
2002	4	-	11	2	220	1,624
number, 2007	-	-	(D)	(D)	871,319	7,114,858
2002	5,286	-	(D)	(D)	780,267	5,534,015
Hogs and pigs used or to be used for breeding ..... farms, 2007	359	160	220	212	1,085	1,558
2002	375	133	192	137	1,006	2,466
number, 2007	2,336	941	4,324	2,163	105,209	597,029
2002	4,062	1,295	5,288	1,916	103,430	601,689
2007 farms by inventory:						
1 to 24	336	155	198	190	827	647
25 to 49	18	3	8	15	96	158
50 to 99	4	-	6	5	61	181
100 or more	1	2	8	2	101	572
Other hogs and pigs ..... farms, 2007	601	361	305	402	2,445	4,163
2002	556	270	310	225	2,007	5,362
number, 2007	8,279	3,460	(D)	9,390	926,845	7,055,255
2002	14,200	3,342	(D)	9,518	823,970	5,838,378
SALES						
Hogs and pigs sold ..... farms, 2007	525	460	454	350	2,930	4,748
2002	540	310	379	250	2,336	6,390
number, 2007	15,513	7,954	123,734	17,955	3,316,183	22,815,512
2002	(D)	9,033	137,357	18,594	2,789,197	18,618,300
$1,000, 2007	1,235	813	(D)	2,108	357,495	2,139,877
2002	(D)	(D)	8,268	(D)	200,027	1,398,234
2007 farms by number sold:						
1 to 24 ..... farms	401	418	336	238	1,898	1,065
number	2,390	2,192	2,182	1,464	12,564	8,102
25 to 49 ..... farms	62	16	47	38	208	200
number	2,012	516	1,582	1,200	6,851	6,938
50 to 99 ..... farms	33	19	19	39	140	200
number	2,165	1,414	1,112	2,621	9,274	13,459
100 to 199 ..... farms	23	2	13	22	123	221
number	3,096	(D)	1,864	2,798	16,383	31,393
200 to 499 ..... farms	2	3	15	9	163	344
number	(D)	(D)	4,521	2,100	47,133	109,778
500 to 999 ..... farms	1	-	7	1	76	371
number	(D)	-	4,518	(D)	53,279	266,945
1,000 or more ..... farms	3	2	17	3	322	2,347
number	4,850	(D)	107,955	(D)	3,170,699	22,378,897

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
INVENTORY						
Total hogs and pigs ....farms, 2007	683	2,999	483	2,213	91	266
2002	692	3,449	454	3,075	110	208
number, 2007	337,244	3,101,469	181,602	3,268,544	2,949	2,792
2002	302,190	2,909,609	172,951	2,933,620	(D)	2,718
Farms by inventory:						
1 to 24 ....farms, 2007	562	1,581	359	428	78	253
2002	561	1,396	261	473	94	195
number, 2007	2,964	10,736	1,873	3,666	389	1,160
2002	3,868	11,241	1,727	4,702	(D)	1,070
25 to 49 ....farms, 2007	45	230	41	129	8	4
2002	57	291	49	205	3	7
number, 2007	1,483	7,937	(D)	4,499	(D)	148
2002	2,039	10,341	1,765	7,345	100	224
50 to 99 ....farms, 2007	15	223	27	139	3	3
2002	10	310	46	283	10	1
number, 2007	977	15,282	1,758	9,600	(D)	(D)
2002	634	21,906	3,178	19,390	(D)	(D)
100 to 199 ....farms, 2007	9	193	10	200	-	2
2002	11	326	29	412	2	2
number, 2007	1,226	27,239	1,147	28,113	-	(D)
2002	1,548	43,771	3,797	56,759	(D)	(D)
200 to 499 ....farms, 2007	-	244	5	435	1	4
2002	3	453	20	701	-	2
number, 2007	-	76,922	1,500	141,150	(D)	983
2002	1,035	139,228	6,783	219,913	-	(D)
500 to 999 ....farms, 2007	6	146	1	318	-	-
2002	11	269	9	427	-	1
number, 2007	3,921	103,142	(D)	220,288	-	-
2002	7,208	189,431	6,030	296,189	-	(D)
1,000 or more ....farms, 2007	46	382	40	564	1	-
2002	39	404	40	574	1	-
number, 2007	326,673	2,860,211	173,253	2,861,228	(D)	-
2002	285,858	2,493,691	149,671	2,329,322	(D)	-
Hogs and pigs used or to be used for breeding ....farms, 2007	336	1,749	221	905	35	98
2002	369	2,246	280	1,586	45	75
number, 2007	(D)	358,137	(D)	389,280	758	591
2002	33,371	356,702	20,096	374,163	(D)	522
2007 farms by inventory:						
1 to 24	318	1,203	171	345	31	93
25 to 49	11	192	8	169	2	2
50 to 99	2	123	4	106	1	3
100 or more	5	231	38	285	1	-
Other hogs and pigs ....farms, 2007	530	2,666	434	2,150	75	224
2002	628	3,191	411	2,944	96	186
number, 2007	(D)	2,743,332	(D)	2,879,264	2,191	2,201
2002	268,819	2,552,907	152,855	2,559,457	4,757	2,196
SALES						
Hogs and pigs sold ....farms, 2007	439	2,971	565	2,482	70	298
2002	504	3,752	542	3,594	102	212
number, 2007	1,294,545	9,073,468	334,101	10,880,337	(D)	4,901
2002	1,171,039	9,288,986	336,032	8,993,521	11,829	4,227
$1,000, 2007	129,424	725,738	36,331	923,209	(D)	518
2002	82,298	570,551	26,531	590,581	930	(D)
2007 farms by number sold:						
1 to 24 .... farms	328	1,258	416	437	55	258
number	2,451	9,906	2,402	3,762	276	1,297
25 to 49 .... farms	30	285	41	106	5	22
number	981	9,685	1,401	(D)	143	763
50 to 99 .... farms	13	198	39	134	7	8
number	(D)	13,846	2,703	(D)	(D)	571
100 to 199 .... farms	8	195	16	150	1	7
number	1,088	26,657	1,930	20,473	(D)	1,062
200 to 499 .... farms	6	318	10	331	1	2
number	1,575	93,872	3,449	103,790	(D)	(D)
500 to 999 .... farms	7	148	4	318	-	1
number	(D)	101,702	2,650	222,757	-	(D)
1,000 or more .... farms	47	569	39	1,006	1	-
number	1,281,554	8,817,800	319,566	10,516,403	(D)	-

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
INVENTORY						
Total hogs and pigs ..... farms, 2007	271	395	1,871	2,836	350	3,718
2002	357	346	1,527	2,542	433	4,286
number, 2007	8,551	1,972	85,741	10,134,004	181,679	1,831,084
2002	14,162	3,489	81,886	9,887,421	138,838	1,422,966
Farms by inventory:						
1 to 24 ..... farms, 2007	234	385	1,612	927	182	2,261
2002	306	319	1,287	743	172	2,189
number, 2007	1,208	1,453	9,265	5,129	1,608	13,370
2002	1,687	1,595	7,652	5,371	1,511	16,327
25 to 49 ..... farms, 2007	10	7	146	104	39	240
2002	16	15	108	125	45	384
number, 2007	(D)	205	4,772	(D)	1,404	8,379
2002	558	474	3,598	4,043	1,596	13,320
50 to 99 ..... farms, 2007	10	2	52	64	30	185
2002	10	3	63	91	66	348
number, 2007	710	(D)	3,431	(D)	2,122	12,363
2002	(D)	(D)	4,362	5,823	4,456	24,345
100 to 199 ..... farms, 2007	6	1	21	42	26	137
2002	10	8	24	70	55	294
number, 2007	829	(D)	2,605	5,396	3,433	18,774
2002	1,406	960	3,308	9,227	7,315	40,406
200 to 499 ..... farms, 2007	6	-	13	47	35	215
2002	10	1	19	45	47	408
number, 2007	1,736	-	3,902	14,192	11,101	68,563
2002	2,691	(D)	5,896	12,355	14,534	130,231
500 to 999 ..... farms, 2007	4	-	4	48	10	148
2002	2	-	9	64	26	250
number, 2007	2,500	-	2,360	34,900	7,543	101,477
2002	(D)	-	5,876	47,232	16,896	173,641
1,000 or more ..... farms, 2007	1	-	23	1,604	28	532
2002	3	-	17	1,404	22	413
number, 2007	(D)	-	59,406	10,066,667	154,468	1,608,158
2002	5,952	-	51,194	9,803,370	92,530	1,024,696
Hogs and pigs used or to be used for breeding ..... farms, 2007	81	157	801	959	183	1,469
2002	106	124	663	902	266	2,200
number, 2007	1,001	585	13,363	1,010,883	38,186	159,764
2002	1,885	808	10,676	964,169	20,540	158,066
2007 farms by inventory:						
1 to 24	69	153	766	597	137	1,078
25 to 49	9	4	19	34	12	125
50 to 99	2	-	2	24	9	107
100 or more	1	-	14	304	25	159
Other hogs and pigs ..... farms, 2007	241	291	1,608	2,598	319	3,313
2002	315	304	1,345	2,448	404	3,865
number, 2007	7,550	1,387	72,378	9,123,121	143,493	1,671,320
2002	12,277	2,681	71,210	8,923,252	118,298	1,264,900
SALES						
Hogs and pigs sold ..... farms, 2007	381	351	1,817	2,459	351	4,505
2002	378	306	1,490	2,332	474	4,976
number, 2007	23,420	3,792	322,396	43,241,680	675,808	5,881,107
2002	30,820	5,114	255,445	42,018,621	393,422	4,609,153
$1,000, 2007	2,349	375	28,302	3,104,731	34,910	571,685
2002	2,313	381	14,005	2,183,646	25,888	322,687
2007 farms by number sold:						
1 to 24 ..... farms	333	322	1,468	551	132	2,536
number	1,788	1,799	9,915	3,891	1,148	16,239
25 to 49 ..... farms	11	15	155	77	57	323
number	315	517	5,136	2,681	1,983	(D)
50 to 99 ..... farms	12	11	74	40	45	279
number	784	826	4,892	2,498	2,989	(D)
100 to 199 ..... farms	5	1	60	40	31	195
number	642	(D)	7,215	5,668	4,223	25,311
200 to 499 ..... farms	8	2	20	48	21	255
number	2,543	(D)	5,456	13,204	6,894	78,659
500 to 999 ..... farms	9	-	10	47	23	171
number	5,848	-	6,532	33,105	16,052	118,935
1,000 or more ..... farms	3	-	30	1,656	42	746
number	11,500	-	283,250	43,180,633	642,519	5,611,931

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
INVENTORY					
Total hogs and pigs ....farms, 2007	2,702	1,283	3,637	103	812
2002	2,491	1,283	3,825	64	900
number, 2007	2,398,372	21,125	1,167,449	2,316	293,793
2002	2,246,926	20,941	1,226,845	2,381	291,743
Farms by inventory:					
1 to 24 ....farms, 2007	2,338	1,184	2,565	82	646
2002	2,011	1,156	2,454	47	566
number, 2007	13,314	5,869	15,799	500	3,130
2002	12,663	5,910	17,003	350	4,757
25 to 49 ....farms, 2007	141	50	207	10	59
2002	184	56	300	5	128
number, 2007	4,673	(D)	6,862	368	2,018
2002	6,067	1,873	10,348	144	4,224
50 to 99 ....farms, 2007	72	17	135	6	24
2002	102	34	184	3	71
number, 2007	4,733	1,173	8,826	(D)	1,606
2002	6,580	(D)	12,225	202	4,886
100 to 199 ....farms, 2007	25	11	98	3	12
2002	27	19	163	5	31
number, 2007	3,167	1,454	13,819	320	1,597
2002	3,521	2,485	21,892	638	4,113
200 to 499 ....farms, 2007	15	14	150	2	16
2002	23	13	232	4	29
number, 2007	4,825	4,800	44,783	(D)	5,611
2002	6,183	4,250	74,114	1,047	9,295
500 to 999 ....farms, 2007	16	6	117	-	5
2002	42	3	177	-	20
number, 2007	11,557	4,892	79,605	-	3,587
2002	28,730	2,221	119,729	-	13,310
1,000 or more ....farms, 2007	95	1	365	-	50
2002	102	2	315	-	55
number, 2007	2,356,103	(D)	997,755	-	276,244
2002	2,183,182	(D)	971,534	-	251,158
Hogs and pigs used or to be used for breeding ....farms, 2007	1,374	457	1,380	61	370
2002	1,326	405	1,506	38	510
number, 2007	393,066	3,936	119,946	533	27,765
2002	331,742	4,149	140,346	581	30,913
2007 farms by inventory:					
1 to 24	1,241	424	1,098	52	336
25 to 49	45	20	77	8	11
50 to 99	9	8	46	1	8
100 or more	79	5	159	-	15
Other hogs and pigs ....farms, 2007	2,269	1,125	3,292	80	664
2002	2,136	1,146	3,500	58	788
number, 2007	2,005,306	17,189	1,047,503	1,783	266,028
2002	1,915,184	16,792	1,086,499	1,800	260,830
SALES					
Hogs and pigs sold ....farms, 2007	2,274	1,466	3,440	81	700
2002	2,256	1,558	3,785	51	736
number, 2007	9,010,682	(D)	4,198,235	4,526	1,091,982
2002	7,264,319	43,008	4,269,350	3,041	1,065,420
$1,000, 2007	555,521	5,662	336,437	354	77,211
2002	462,849	3,540	269,318	227	61,589
2007 farms by number sold:					
1 to 24 ....farms	1,729	1,292	2,208	54	514
number	11,095	6,760	14,176	486	3,080
25 to 49 ....farms	179	68	228	11	66
number	(D)	2,286	8,033	382	2,075
50 to 99 ....farms	120	43	153	6	23
number	8,016	2,713	10,003	354	1,485
100 to 199 ....farms	70	26	122	1	20
number	8,877	3,533	16,802	(D)	2,989
200 to 499 ....farms	48	22	147	8	8
number	13,021	5,482	43,633	(D)	2,379
500 to 999 ....farms	12	4	72	1	9
number	(D)	3,400	50,277	(D)	6,276
1,000 or more ....farms	116	11	510	-	60
number	8,955,884	(D)	4,055,311	-	1,073,698

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
INVENTORY					
Total hogs and pigs ..... farms, 2007	959	1,566	4,471	611	249
2002	1,506	1,491	4,671	518	206
number, 2007	1,490,034	138,207	1,155,790	760,035	2,701
2002	1,375,506	230,532	953,290	670,047	2,019
Farms by inventory:					
1 to 24 ..... farms, 2007	231	1,291	4,044	526	232
2002	279	1,068	3,831	436	190
number, 2007	1,896	7,216	17,384	2,851	1,002
2002	2,643	7,036	23,594	2,703	1,051
25 to 49 ..... farms, 2007	72	116	210	32	8
2002	118	150	383	36	9
number, 2007	2,407	4,114	6,821	1,118	305
2002	4,106	5,066	13,064	1,164	306
50 to 99 ..... farms, 2007	74	62	115	18	4
2002	184	84	243	13	5
number, 2007	5,052	4,165	7,554	1,135	(D)
2002	12,432	5,568	15,919	888	(D)
100 to 199 ..... farms, 2007	73	20	44	6	1
2002	193	45	108	8	1
number, 2007	9,736	2,840	5,944	811	(D)
2002	26,275	6,046	13,803	1,038	(D)
200 to 499 ..... farms, 2007	145	34	38	10	4
2002	313	60	73	5	1
number, 2007	41,774	11,515	11,168	3,244	1,020
2002	98,040	18,108	21,274	1,252	(D)
500 to 999 ..... farms, 2007	101	13	9	-	-
2002	162	40	13	6	-
number, 2007	69,624	11,204	6,459	-	-
2002	108,709	28,242	9,012	3,833	-
1,000 or more ..... farms, 2007	263	30	11	19	-
2002	257	44	20	14	-
number, 2007	1,359,545	97,153	1,100,460	750,876	-
2002	1,123,301	160,466	856,624	659,169	-
Hogs and pigs used or to be used for breeding ..... farms, 2007	430	809	1,919	232	90
2002	864	797	2,400	231	87
number, 2007	165,487	12,967	94,918	(D)	515
2002	153,172	29,376	110,294	(D)	429
2007 farms by inventory:					
1 to 24	182	749	1,760	209	87
25 to 49	58	27	91	9	2
50 to 99	40	15	49	10	-
100 or more	150	18	19	4	1
Other hogs and pigs ..... farms, 2007	900	1,292	3,553	526	209
2002	1,421	1,332	4,002	467	178
number, 2007	1,324,547	125,240	1,060,872	(D)	2,186
2002	1,222,334	201,156	842,996	(D)	1,590
SALES					
Hogs and pigs sold ..... farms, 2007	1,042	1,160	4,053	630	239
2002	1,738	1,130	3,962	480	206
number, 2007	4,487,708	470,213	2,794,334	2,050,082	4,968
2002	3,773,503	635,014	1,659,834	1,886,880	4,933
$1,000, 2007	381,360	33,797	237,504	196,595	697
2002	(D)	42,632	128,231	153,112	374
2007 farms by number sold:					
1 to 24 ..... farms	189	837	3,364	492	207
number	1,670	5,635	15,886	2,715	1,088
25 to 49 ..... farms	82	112	293	48	11
number	2,760	3,853	10,026	1,633	429
50 to 99 ..... farms	79	54	153	28	7
number	5,258	3,572	10,497	1,748	447
100 to 199 ..... farms	88	50	126	19	8
number	11,617	6,261	16,436	2,174	1,139
200 to 499 ..... farms	130	27	64	17	6
number	39,773	9,235	19,469	4,506	1,865
500 to 999 ..... farms	111	23	25	4	-
number	78,171	15,669	17,197	2,350	-
1,000 or more ..... farms	363	57	28	22	-
number	4,348,459	425,988	2,704,823	2,034,956	-

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Table 12. **Hogs and Pigs - Inventory and Sales: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
INVENTORY					
Total hogs and pigs ....farms, 2007	1,240	1,463	955	3,188	272
2002	855	961	808	2,993	184
number, 2007	371,176	28,545	8,948	436,814	107,180
2002	409,284	30,289	12,773	535,393	114,047
Farms by inventory:					
1 to 24 ....farms, 2007	987	1,339	910	2,212	218
2002	636	826	737	1,714	125
number, 2007	5,533	6,966	3,442	14,882	1,369
2002	4,196	4,263	4,036	12,359	851
25 to 49 ....farms, 2007	96	82	22	261	18
2002	94	65	36	293	18
number, 2007	3,282	2,754	763	9,060	605
2002	3,164	2,137	1,180	10,232	627
50 to 99 ....farms, 2007	60	18	13	225	21
2002	31	20	22	245	13
number, 2007	4,169	1,179	880	15,358	1,397
2002	2,122	1,339	1,418	16,520	974
100 to 199 ....farms, 2007	27	11	6	138	8
2002	30	27	7	218	9
number, 2007	3,411	1,511	803	(D)	1,189
2002	4,407	3,575	(D)	29,865	1,210
200 to 499 ....farms, 2007	17	3	2	156	4
2002	16	11	4	250	10
number, 2007	4,556	1,187	(D)	(D)	1,384
2002	4,551	2,734	(D)	77,264	2,690
500 to 999 ....farms, 2007	10	4	1	87	-
2002	6	4	-	154	6
number, 2007	6,437	3,005	(D)	60,971	-
2002	3,790	2,677	-	110,372	3,060
1,000 or more ....farms, 2007	43	6	1	109	3
2002	42	8	2	119	3
number, 2007	343,788	11,943	(D)	269,960	101,236
2002	387,054	13,564	(D)	278,781	104,635
Hogs and pigs used or to be used for breeding ....farms, 2007	606	601	345	1,447	150
2002	450	358	350	1,475	97
number, 2007	32,187	4,522	1,548	52,669	27,811
2002	31,528	5,337	2,106	65,217	19,918
2007 farms by inventory:					
1 to 24	563	569	339	1,148	137
25 to 49	19	22	5	119	10
50 to 99	7	3	1	91	-
100 or more	17	7	-	89	3
Other hogs and pigs ....farms, 2007	1,067	1,215	791	2,873	227
2002	766	852	711	2,752	174
number, 2007	338,989	24,023	7,400	384,145	79,369
2002	377,756	24,952	10,667	470,176	94,129
SALES					
Hogs and pigs sold ....farms, 2007	964	1,596	1,042	3,516	368
2002	834	1,067	717	3,245	247
number, 2007	965,117	58,917	19,588	1,085,793	330,377
2002	847,002	80,159	26,173	1,294,440	356,435
$1,000, 2007	56,960	5,921	2,089	100,309	41,923
2002	72,213	6,803	1,992	79,836	23,057
2007 farms by number sold:					
1 to 24 ....farms	723	1,344	936	2,252	302
number	5,178	8,120	4,733	14,963	1,982
25 to 49 ....farms	67	130	40	300	29
number	2,301	4,563	1,365	(D)	1,068
50 to 99 ....farms	54	37	38	231	12
number	3,690	2,655	2,510	(D)	927
100 to 199 ....farms	38	33	19	218	16
number	4,628	4,299	2,580	30,753	2,072
200 to 499 ....farms	13	33	7	227	4
number	3,998	9,003	(D)	68,781	(D)
500 to 999 ....farms	13	9	1	110	2
number	7,530	6,885	(D)	75,012	(D)
1,000 or more ....farms	56	10	1	178	3
number	937,792	23,392	(D)	870,505	322,072

Table 13. **Poultry - Inventory and Sales: 2007 and 2002**

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item		United States	Alabama	Alaska	Arizona	Arkansas	California
INVENTORY							
Any poultry	farms, 2007	187,420	5,188	103	2,095	6,089	5,959
	2002	146,206	4,417	94	748	5,510	4,260
Layers (see text)	farms, 2007	145,615	2,417	86	1,885	3,047	5,098
	2002	98,315	1,662	82	582	1,905	3,244
	number, 2007	349,772,508	9,624,254	3,623	(D)	13,977,804	21,091,629
	2002	334,435,155	9,656,322	2,872	(D)	13,189,901	22,768,304
2007 farms by inventory:							
1 to 49		125,195	1,751	70	1,786	2,260	4,553
50 to 99		10,648	146	9	77	181	265
100 to 399		5,001	67	6	20	58	159
400 to 3,199		785	27	1	1	6	48
3,200 to 9,999		626	45	-	-	74	4
10,000 to 19,999		1,373	243	-	-	252	9
20,000 to 49,999		1,292	125	-	-	201	15
50,000 to 99,999		261	6	-	-	10	8
100,000 or more		434	7	-	1	5	37
Pullets for laying flock replacement	farms, 2007	22,514	571	20	179	674	724
	2002	25,624	559	21	172	593	809
	number, 2007	105,876,529	5,435,952	530	(D)	8,074,630	4,613,085
	2002	94,882,450	4,950,238	570	(D)	6,045,372	4,171,400
Broilers and other meat-type chickens	farms, 2007	32,668	2,263	22	101	2,408	374
	2002	37,937	2,253	23	151	3,058	550
	number, 2007	1,602,574,592	178,338,741	2,100	2,006	202,397,626	44,384,231
	2002	1,389,279,047	158,296,720	1,533	9,205	181,555,253	33,239,341
Turkeys (see text)	farms, 2007	17,226	279	24	226	530	469
	2002	16,586	262	15	86	457	432
	number, 2007	107,173,804	8,788	718	856	9,437,181	6,703,230
	2002	93,028,191	(D)	404	580	8,603,489	5,950,670
Ducks, geese, and other poultry species (see text)	farms, 2007	66,612	1,245	42	620	1,557	2,160
	2002	49,724	1,033	30	383	811	1,778
SALES							
Any poultry sold (see text)	farms, 2007	148,911	4,884	88	1,022	5,640	4,114
	2002	83,383	3,839	47	303	5,148	1,980
Layers and pullets sold	farms, 2007	27,606	983	23	227	1,197	702
	2002	23,993	705	18	96	917	652
	number, 2007	356,309,743	17,884,531	(D)	4,387	25,769,540	12,641,890
	2002	377,864,191	17,958,436	6,514	(D)	23,935,586	14,575,431
Layers sold (see text)	farms, 2007	24,971	778	22	220	934	667
	2002	18,621	500	17	80	643	570
	number, 2007	194,955,057	7,681,447	5,678	3,778	11,576,276	8,786,250
	2002	202,947,490	7,659,735	(D)	(D)	9,124,085	10,285,584
Pullets for laying flock replacement sold	farms, 2007	4,169	240	3	27	311	84
	2002	8,193	265	2	31	324	177
	number, 2007	161,354,686	10,203,084	(D)	609	14,193,264	3,855,640
	2002	174,916,701	10,298,701	(D)	(D)	14,811,501	4,289,847
Broilers and other meat-type chickens sold	farms, 2007	27,091	2,428	12	29	2,485	229
	2002	32,006	2,600	11	59	3,520	338
	number, 2007	8,914,828,122	1,016,230,625	(D)	456	1,171,556,369	280,512,754
	2002	8,500,313,357	1,050,885,771	4,262	(D)	1,181,907,700	260,447,483
2007 farms by number sold:							
1 to 1,999		9,743	55	10	29	64	153
2,000 to 59,999		618	26	2	-	49	5
60,000 to 99,999		623	55	-	-	74	7
100,000 to 199,999		2,270	509	-	-	301	15
200,000 to 499,999		7,333	1,008	-	-	1,154	14
500,000 or more		6,504	775	-	-	843	35
Turkeys sold (see text)	farms, 2007	8,284	76	16	39	318	218
	2002	8,436	49	13	24	292	237
	number, 2007	295,793,159	(D)	983	280	29,164,234	16,151,754
	2002	283,247,649	(D)	850	295	28,459,783	17,581,408
Ducks, geese, and other poultry species sold (see text)	farms, 2007	15,823	366	15	77	510	540
	2002	15,165	334	11	101	244	599

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
INVENTORY						
Any poultry ....farms, 2007	3,348	959	918	4,099	5,490	549
2002	2,104	683	697	2,530	4,139	209
Layers (see text) ....farms, 2007	3,018	822	164	3,361	2,870	354
2002	1,712	590	58	1,707	1,274	125
number, 2007	3,902,950	(D)	(D)	11,787,758	19,273,181	368,233
2002	4,057,514	(D)	(D)	10,581,159	20,022,117	537,882
2007 farms by inventory:						
1 to 49	2,782	655	139	3,038	2,094	325
50 to 99	161	89	11	198	166	12
100 to 399	63	66	7	86	82	9
400 to 3,199	5	8	1	16	22	3
3,200 to 9,999	-	1	5	1	80	1
10,000 to 19,999	-	-	-	8	153	1
20,000 to 49,999	1	1	-	6	216	2
50,000 to 99,999	1	-	-	1	22	-
100,000 or more	5	2	1	7	35	1
Pullets for laying flock replacement ....farms, 2007	398	142	33	488	587	15
2002	426	116	10	448	416	26
number, 2007	762,814	(D)	(D)	2,582,653	7,675,221	(D)
2002	646,573	(D)	(D)	2,184,954	7,384,754	67,925
Broilers and other meat-type chickens ....farms, 2007	291	96	778	376	2,170	59
2002	315	74	634	551	2,419	39
number, 2007	11,053	100,549	51,092,495	14,123,694	235,400,227	2,128
2002	9,119	41,195	45,649,977	19,726,572	204,678,169	202,902
Turkeys (see text) ....farms, 2007	388	114	21	478	350	14
2002	261	89	7	426	169	7
number, 2007	(D)	3,564	701	13,780	1,986	95
2002	(D)	1,480	233	3,288	1,376	75
Ducks, geese, and other poultry species (see text) ....farms, 2007	1,238	388	52	1,850	1,430	263
2002	862	250	27	1,080	647	118
SALES						
Any poultry sold (see text) ....farms, 2007	2,515	801	978	2,984	5,041	282
2002	861	415	857	1,387	3,883	110
Layers and pullets sold ....farms, 2007	436	205	58	701	1,128	25
2002	290	156	25	525	805	25
number, 2007	2,714,726	1,917,729	997,135	7,051,263	30,149,475	176,585
2002	2,029,698	2,875,897	1,071,053	8,190,306	29,103,083	458,280
Layers sold (see text) ....farms, 2007	420	197	49	641	914	24
2002	243	142	20	443	594	20
number, 2007	(D)	(D)	(D)	4,836,424	16,615,602	(D)
2002	(D)	(D)	557,675	4,086,482	15,217,322	(D)
Pullets for laying flock replacement sold ....farms, 2007	32	16	9	102	271	3
2002	91	32	7	151	253	6
number, 2007	(D)	(D)	(D)	2,214,839	13,533,873	(D)
2002	(D)	(D)	513,378	4,103,824	13,885,761	(D)
Broilers and other meat-type chickens sold ....farms, 2007	146	72	845	248	2,265	7
2002	171	50	820	446	2,758	17
number, 2007	17,729	420,789	246,098,878	73,353,351	1,398,912,031	(D)
2002	20,400	264,866	255,873,656	109,236,689	1,288,543,081	881,112
2007 farms by number sold:						
1 to 1,999	145	57	132	123	92	6
2,000 to 59,999	1	13	13	3	26	-
60,000 to 99,999	-	2	34	6	129	1
100,000 to 199,999	-	-	121	21	160	-
200,000 to 499,999	-	-	413	62	678	-
500,000 or more	-	-	132	33	1,180	-
Turkeys sold (see text) ....farms, 2007	134	73	14	137	46	-
2002	150	82	3	127	35	1
number, 2007	(D)	11,752	(D)	12,018	395	-
2002	(D)	5,923	(D)	1,683	712	(D)
Ducks, geese, and other poultry species sold (see text) ....farms, 2007	228	105	27	513	391	46
2002	238	70	6	390	269	45

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
INVENTORY							
Any poultry	farms, 2007	1,895	3,322	4,545	3,616	3,040	5,126
	2002	1,646	2,150	2,961	2,658	2,468	3,302
Layers (see text)	farms, 2007	1,610	2,801	3,583	2,966	2,634	4,129
	2002	1,318	1,672	2,152	1,934	1,961	2,197
	number, 2007	(D)	5,285,583	24,238,513	53,793,712	(D)	4,584,535
	2002	907,873	3,290,313	21,952,110	38,650,210	(D)	4,343,328
2007 farms by inventory:							
1 to 49		1,539	2,406	3,053	2,403	2,355	3,545
50 to 99		40	245	271	286	193	344
100 to 399		27	115	150	143	72	131
400 to 3,199		1	18	18	30	10	19
3,200 to 9,999		1	1	4	40	1	3
10,000 to 19,999		-	4	19	9	-	36
20,000 to 49,999		1	4	21	6	1	47
50,000 to 99,999		-	2	11	8	1	1
100,000 or more		1	6	36	41	1	3
Pullets for laying flock replacement	farms, 2007	189	404	519	425	394	788
	2002	330	417	540	472	491	664
	number, 2007	(D)	694,102	6,928,062	11,404,869	(D)	1,796,532
	2002	383,833	480,897	5,764,843	7,403,989	813,389	1,582,946
Broilers and other meat-type chickens	farms, 2007	233	370	594	738	270	909
	2002	275	401	572	661	374	925
	number, 2007	7,918	108,932	5,536,933	1,803,429	19,535	49,776,656
	2002	7,685	26,537	3,823,936	1,730,091	18,536	44,713,685
Turkeys (see text)	farms, 2007	149	362	498	417	220	434
	2002	242	297	423	355	231	333
	number, 2007	1,242	845,971	5,971,548	4,002,111	561,484	30,785
	2002	1,774	959,732	3,848,054	3,681,862	881,121	5,274
Ducks, geese, and other poultry species (see text)	farms, 2007	629	1,442	1,517	1,315	1,295	1,867
	2002	598	881	920	934	966	1,208
SALES							
Any poultry sold (see text)	farms, 2007	1,075	2,708	3,798	3,174	2,388	4,088
	2002	631	1,063	1,614	1,572	1,102	1,649
Layers and pullets sold	farms, 2007	277	510	707	556	318	819
	2002	216	329	472	462	442	462
	number, 2007	(D)	4,436,920	24,237,390	38,513,622	(D)	7,189,256
	2002	(D)	3,297,908	21,835,768	30,174,804	3,670,042	3,934,211
Layers sold (see text)	farms, 2007	268	473	633	508	303	738
	2002	190	286	386	337	316	374
	number, 2007	(D)	3,219,016	11,731,996	23,477,649	12,804	3,454,855
	2002	(D)	2,306,950	10,313,104	18,389,060	1,081,920	1,786,031
Pullets for laying flock replacement sold	farms, 2007	17	63	121	86	33	170
	2002	54	89	147	174	180	132
	number, 2007	280	1,217,904	12,505,394	15,035,973	(D)	3,734,401
	2002	8,100	990,958	11,522,664	11,785,744	2,588,122	2,148,180
Broilers and other meat-type chickens sold	farms, 2007	125	260	399	598	158	647
	2002	131	239	385	629	183	669
	number, 2007	7,937	325,036	37,072,109	10,257,286	26,941	309,769,263
	2002	7,475	82,974	25,385,811	9,558,127	91,894	271,176,998
2007 farms by number sold:							
1 to 1,999		125	244	298	542	154	179
2,000 to 59,999		-	15	11	35	4	10
60,000 to 99,999		-	1	5	1	-	9
100,000 to 199,999		-	-	54	1	-	12
200,000 to 499,999		-	-	8	10	-	174
500,000 or more		-	-	23	9	-	263
Turkeys sold (see text)	farms, 2007	93	141	351	235	83	117
	2002	122	135	304	200	86	76
	number, 2007	1,369	2,189,971	13,487,899	8,682,434	1,184,840	(D)
	2002	1,728	2,462,199	10,540,463	9,145,415	1,599,882	4,143
Ducks, geese, and other poultry species sold (see text)	farms, 2007	169	340	456	358	281	400
	2002	161	308	361	286	298	333

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
INVENTORY						
Any poultry ....farms, 2007	1,967	1,506	2,017	1,552	6,135	5,057
2002	1,862	1,211	1,639	1,030	4,374	4,377
Layers (see text) ....farms, 2007	1,450	1,346	1,229	1,354	5,247	3,760
2002	1,034	1,044	810	846	3,491	2,859
number, 2007	1,991,941	(D)	2,662,723	139,764	9,034,335	10,596,573
2002	2,098,325	(D)	3,172,376	319,358	7,308,261	11,876,411
2007 farms by inventory:						
1 to 49	1,236	1,176	1,033	1,173	4,366	3,156
50 to 99	126	105	87	111	562	342
100 to 399	55	53	83	55	286	181
400 to 3,199	2	7	14	11	19	24
3,200 to 9,999	1	1	1	2	1	6
10,000 to 19,999	7	1	2	1	2	15
20,000 to 49,999	18	-	2	-	-	1
50,000 to 99,999	3	-	2	1	1	8
100,000 or more	2	3	5	-	10	27
Pullets for laying flock replacement ....farms, 2007	241	239	191	182	857	523
2002	367	259	189	212	812	700
number, 2007	596,038	1,551,061	250,395	(D)	1,987,718	3,178,990
2002	528,211	1,588,361	824,922	57,953	1,799,012	3,181,863
Broilers and other meat-type chickens ....farms, 2007	410	214	783	114	1,088	1,195
2002	699	216	757	152	1,035	1,281
number, 2007	36,286,035	14,849	65,503,541	(D)	682,297	8,649,569
2002	44,826,256	22,323	51,135,826	(D)	663,588	4,885,619
Turkeys (see text) ....farms, 2007	127	181	142	198	731	601
2002	163	169	110	157	612	754
number, 2007	801	3,097	223,233	17,501	1,978,869	18,298,316
2002	946	3,429	108,550	18,623	1,204,019	15,512,346
Ducks, geese, and other poultry species (see text) ....farms, 2007	797	523	498	655	2,655	2,122
2002	666	314	357	389	1,693	1,769
SALES						
Any poultry sold (see text) ....farms, 2007	1,568	1,195	1,833	1,269	4,831	4,392
2002	1,081	734	1,316	565	2,206	2,667
Layers and pullets sold ....farms, 2007	233	242	255	232	900	662
2002	259	272	235	205	725	699
number, 2007	2,945,868	4,329,338	2,353,668	203,401	4,759,730	10,736,735
2002	2,361,964	4,882,262	4,148,365	344,424	6,995,451	11,206,542
Layers sold (see text) ....farms, 2007	211	221	241	224	863	613
2002	199	242	191	185	599	555
number, 2007	1,734,991	3,033,065	1,777,658	(D)	1,817,564	4,593,883
2002	1,238,308	(D)	2,161,810	(D)	4,905,609	6,944,601
Pullets for laying flock replacement sold ....farms, 2007	37	35	26	20	97	75
2002	98	83	71	48	216	236
number, 2007	1,210,877	1,296,273	576,010	(D)	2,942,166	6,142,852
2002	1,123,656	(D)	1,986,555	(D)	2,089,842	4,261,941
Broilers and other meat-type chickens sold ....farms, 2007	308	180	808	94	725	940
2002	567	165	862	81	659	1,036
number, 2007	187,733,125	19,840	296,373,113	17,330	4,041,902	47,948,383
2002	216,941,912	46,966	287,106,225	29,424	4,027,972	31,138,768
2007 farms by number sold:						
1 to 1,999	27	180	105	94	706	781
2,000 to 59,999	4	-	21	-	7	27
60,000 to 99,999	5	-	33	-	-	1
100,000 to 199,999	14	-	125	-	7	5
200,000 to 499,999	120	-	327	-	4	99
500,000 or more	138	-	197	-	1	27
Turkeys sold (see text) ....farms, 2007	21	155	86	125	456	375
2002	22	197	63	108	366	479
number, 2007	177	(D)	739,398	62,243	5,069,587	46,177,541
2002	268	11,973	527,497	64,393	3,306,299	45,866,989
Ducks, geese, and other poultry species sold (see text) ....farms, 2007	153	106	124	140	717	587
2002	199	105	127	110	517	613

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
INVENTORY							
Any poultry	farms, 2007	3,641	7,553	1,845	2,280	353	1,002
	2002	4,471	6,305	1,472	1,812	337	711
Layers (see text)	farms, 2007	1,925	6,099	1,650	1,960	312	912
	2002	2,097	4,625	1,215	1,396	281	608
	number, 2007	6,236,952	7,249,420	355,226	10,487,473	5,852	210,380
	2002	5,386,404	6,978,102	349,040	11,786,314	5,164	175,250
2007 farms by inventory:							
1 to 49		1,498	5,415	1,522	1,662	291	771
50 to 99		139	411	66	182	15	100
100 to 399		70	177	24	83	6	34
400 to 3,199		17	30	7	12	-	2
3,200 to 9,999		7	6	15	1	-	-
10,000 to 19,999		75	20	15	3	-	4
20,000 to 49,999		111	32	1	-	-	-
50,000 to 99,999		5	4	-	4	-	-
100,000 or more		3	4	-	13	-	1
Pullets for laying flock replacement	farms, 2007	425	927	214	283	46	129
	2002	521	1,247	235	326	65	149
	number, 2007	3,590,994	2,694,950	135,228	2,189,919	1,036	73,792
	2002	2,479,032	2,350,139	124,064	(D)	1,201	76,287
Broilers and other meat-type chickens	farms, 2007	1,478	978	150	321	31	120
	2002	2,054	1,239	236	385	23	79
	number, 2007	150,596,764	46,654,478	107,962	772,946	314	24,208
	2002	134,737,744	33,511,287	104,669	584,353	321	28,879
Turkeys (see text)	farms, 2007	203	868	149	209	38	145
	2002	307	850	156	197	50	76
	number, 2007	1,396	8,604,222	16,297	761,232	148	2,534
	2002	2,065	7,193,751	15,724	(D)	229	2,025
Ducks, geese, and other poultry species (see text)	farms, 2007	1,029	2,596	607	1,008	124	360
	2002	1,037	2,079	518	657	124	247
SALES							
Any poultry sold (see text)	farms, 2007	3,262	6,114	1,396	1,875	213	793
	2002	2,867	3,103	501	724	148	391
Layers and pullets sold	farms, 2007	530	949	192	262	37	168
	2002	489	972	152	234	63	129
	number, 2007	12,437,476	7,412,506	39,840	8,433,542	509	216,293
	2002	9,149,348	6,644,451	132,647	8,054,788	1,090	227,363
Layers sold (see text)	farms, 2007	447	818	189	245	37	160
	2002	351	631	143	191	40	121
	number, 2007	6,118,344	2,714,572	(D)	(D)	498	(D)
	2002	3,009,286	2,694,407	132,047	(D)	547	(D)
Pullets for laying flock replacement sold	farms, 2007	119	185	8	32	4	16
	2002	187	444	24	74	30	37
	number, 2007	6,319,132	4,697,934	(D)	(D)	11	(D)
	2002	6,140,062	3,950,044	600	(D)	543	(D)
Broilers and other meat-type chickens sold	farms, 2007	1,453	644	87	206	4	83
	2002	1,928	812	77	231	18	83
	number, 2007	823,427,574	279,937,641	119,677	4,893,959	(D)	(D)
	2002	752,632,925	273,135,329	100,660	3,361,353	3,383	(D)
2007 farms by number sold:							
1 to 1,999		47	267	67	196	4	82
2,000 to 59,999		13	12	20	4	-	-
60,000 to 99,999		19	2	-	-	-	-
100,000 to 199,999		55	13	-	-	-	1
200,000 to 499,999		545	111	-	5	-	-
500,000 or more		774	239	-	1	-	-
Turkeys sold (see text)	farms, 2007	28	481	64	66	13	96
	2002	73	437	56	76	23	79
	number, 2007	209	20,120,291	22,376	3,870,156	215	5,447
	2002	1,701	18,444,741	14,808	(D)	636	4,598
Ducks, geese, and other poultry species sold (see text)	farms, 2007	223	490	137	196	17	73
	2002	282	474	134	175	38	45

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
INVENTORY						
Any poultry ....farms, 2007	1,609	1,762	4,597	6,598	625	6,390
2002	1,330	1,473	3,327	6,251	593	5,773
Layers (see text) ....farms, 2007	1,367	1,571	4,006	3,736	516	5,255
2002	1,042	1,229	2,617	2,571	424	4,419
number, 2007	1,560,177	(D)	3,952,975	12,748,275	109,344	27,070,109
2002	2,065,685	(D)	3,819,432	10,150,213	200,440	30,759,965
2007 farms by inventory:						
1 to 49	1,147	1,436	3,345	2,891	426	4,257
50 to 99	121	97	381	267	61	543
100 to 399	80	33	214	118	27	299
400 to 3,199	14	3	45	25	-	30
3,200 to 9,999	1	-	1	111	-	5
10,000 to 19,999	-	-	3	139	-	13
20,000 to 49,999	1	1	5	159	1	17
50,000 to 99,999	-	-	4	18	1	39
100,000 or more	3	1	8	8	-	52
Pullets for laying flock replacement ....farms, 2007	185	190	683	728	82	850
2002	258	258	744	961	142	1,196
number, 2007	6,498	(D)	1,337,636	7,129,798	(D)	6,778,418
2002	102,142	283,326	1,312,959	5,705,003	33,269	6,871,958
Broilers and other meat-type chickens ....farms, 2007	158	86	636	1,879	126	1,027
2002	166	174	590	2,466	143	1,226
number, 2007	17,914	11,220	468,943	149,921,809	15,805	10,021,948
2002	20,724	11,255	605,111	149,439,592	29,910	5,878,909
Turkeys (see text) ....farms, 2007	151	214	529	846	60	627
2002	170	246	406	899	81	639
number, 2007	18,405	6,156	99,333	17,865,896	444,274	2,074,750
2002	9,135	5,103	(D)	14,554,229	443,160	1,873,917
Ducks, geese, and other poultry species (see text) ....farms, 2007	731	624	1,810	1,805	278	2,068
2002	573	535	1,371	1,340	243	1,648
SALES						
Any poultry sold (see text) ....farms, 2007	1,360	1,150	3,810	6,003	578	5,539
2002	910	465	1,742	4,807	243	3,452
Layers and pullets sold ....farms, 2007	299	180	818	1,301	58	1,188
2002	332	194	654	1,167	53	1,264
number, 2007	139,864	(D)	2,636,388	22,387,551	(D)	27,604,638
2002	562,684	(D)	3,843,632	20,426,081	(D)	40,162,666
Layers sold (see text) ....farms, 2007	289	173	790	1,060	58	1,069
2002	301	160	525	851	42	959
number, 2007	138,670	(D)	1,827,329	11,044,091	(D)	14,275,248
2002	552,629	(D)	3,155,104	8,590,685	(D)	24,587,271
Pullets for laying flock replacement sold ....farms, 2007	34	9	86	287	4	198
2002	68	71	211	480	22	430
number, 2007	1,194	257	809,059	11,343,460	(D)	13,329,390
2002	10,055	(D)	688,528	11,835,396	712	15,575,395
Broilers and other meat-type chickens sold ....farms, 2007	128	24	452	1,948	75	791
2002	154	43	421	2,444	84	968
number, 2007	119,175	(D)	1,779,733	781,416,896	14,442	49,656,074
2002	79,060	(D)	2,817,234	739,566,977	185,702	28,764,494
2007 farms by number sold:						
1 to 1,999	125	23	423	101	74	591
2,000 to 59,999	2	1	25	36	1	21
60,000 to 99,999	-	-	1	81	-	49
100,000 to 199,999	1	-	1	353	-	81
200,000 to 499,999	-	-	1	853	-	29
500,000 or more	-	-	1	524	-	20
Turkeys sold (see text) ....farms, 2007	92	47	313	635	29	433
2002	110	56	260	667	33	446
number, 2007	38,017	4,041	(D)	60,030,181	1,941,708	5,931,966
2002	38,985	4,119	(D)	50,896,556	1,902,891	6,222,206
Ducks, geese, and other poultry species sold (see text) ....farms, 2007	247	104	517	433	76	524
2002	279	113	466	423	84	546

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
INVENTORY						
Any poultry	farms, 2007	6,480	4,856	9,423	200	2,571
	2002	5,759	4,588	7,043	173	1,959
Layers (see text)	farms, 2007	5,235	4,386	7,604	154	1,756
	2002	4,085	3,820	5,165	138	1,107
	number, 2007	3,323,802	2,736,464	21,982,408	45,825	4,714,337
	2002	4,200,104	2,877,868	23,196,416	38,223	5,583,892
2007 farms by inventory:						
1 to 49		4,563	4,073	6,244	131	1,492
50 to 99		348	234	643	12	119
100 to 399		153	65	379	7	83
400 to 3,199		20	9	71	1	4
3,200 to 9,999		23	-	78	2	1
10,000 to 19,999		74	-	57	-	8
20,000 to 49,999		48	-	41	1	31
50,000 to 99,999		5	1	50	-	9
100,000 or more		1	4	41	-	9
Pullets for laying flock replacement	farms, 2007	940	604	1,033	24	298
	2002	1,241	800	1,056	28	325
	number, 2007	1,344,077	583,090	6,072,455	3,219	1,710,054
	2002	1,447,196	645,276	5,334,483	(D)	1,332,774
Broilers and other meat-type chickens	farms, 2007	857	398	1,499	18	512
	2002	1,282	598	1,635	22	521
	number, 2007	44,314,617	4,005,909	27,508,731	(D)	45,792,333
	2002	38,158,921	3,863,293	21,588,819	(D)	32,372,047
Turkeys (see text)	farms, 2007	418	372	835	32	337
	2002	553	450	704	28	331
	number, 2007	(D)	3,019	3,537,517	1,912	5,484,201
	2002	323,492	6,412	3,622,802	1,413	4,636,236
Ducks, geese, and other poultry species (see text)	farms, 2007	2,492	1,506	3,046	66	956
	2002	2,223	1,637	2,194	63	675
SALES						
Any poultry sold (see text)	farms, 2007	5,014	3,070	7,885	162	2,090
	2002	2,726	2,478	4,028	76	1,113
Layers and pullets sold	farms, 2007	853	626	1,567	37	411
	2002	895	750	1,368	28	278
	number, 2007	5,550,777	2,173,181	25,939,024	22,220	7,199,224
	2002	6,343,954	2,344,211	28,935,133	27,088	12,073,057
Layers sold (see text)	farms, 2007	779	606	1,399	35	370
	2002	635	645	1,083	28	211
	number, 2007	2,968,687	1,399,724	13,138,745	(D)	3,038,675
	2002	3,027,523	1,382,330	14,548,063	(D)	4,469,553
Pullets for laying flock replacement sold	farms, 2007	132	54	225	2	74
	2002	373	212	391	2	103
	number, 2007	2,582,090	773,457	12,800,279	(D)	4,160,549
	2002	3,316,431	961,881	14,387,070	(D)	7,603,504
Broilers and other meat-type chickens sold	farms, 2007	636	270	1,139	12	453
	2002	871	403	1,231	8	426
	number, 2007	242,228,335	24,625,417	150,102,682	(D)	236,209,584
	2002	231,877,714	17,296,520	132,507,545	(D)	181,792,956
2007 farms by number sold:						
1 to 1,999		139	233	613	11	49
2,000 to 59,999		3	6	86	1	5
60,000 to 99,999		18	2	22	-	6
100,000 to 199,999		55	-	102	-	28
200,000 to 499,999		307	6	235	-	157
500,000 or more		114	23	81	-	208
Turkeys sold (see text)	farms, 2007	120	167	473	27	200
	2002	115	246	457	22	181
	number, 2007	739,814	1,964	10,927,070	(D)	19,478,631
	2002	933,382	7,101	9,297,203	6,042	18,085,815
Ducks, geese, and other poultry species sold (see text)	farms, 2007	487	333	903	22	265
	2002	575	542	776	12	165

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
INVENTORY					
Any poultry ....farms, 2007	1,187	6,527	17,816	1,629	1,201
2002	1,002	5,066	14,112	1,504	983
Layers (see text) ....farms, 2007	915	5,176	14,562	1,310	1,068
2002	737	3,551	9,915	1,089	839
number, 2007	2,920,799	1,713,388	19,116,712	3,584,791	223,605
2002	2,226,368	1,160,590	18,444,496	3,426,388	211,968
2007 farms by inventory:					
1 to 49	766	4,573	12,965	1,228	896
50 to 99	78	342	1,043	58	97
100 to 399	43	165	328	14	59
400 to 3,199	17	10	44	5	13
3,200 to 9,999	-	12	6	-	-
10,000 to 19,999	-	43	37	-	1
20,000 to 49,999	4	31	99	-	-
50,000 to 99,999	-	-	22	-	2
100,000 or more	7	-	18	5	-
Pullets for laying flock replacement ....farms, 2007	121	962	2,234	174	133
2002	145	970	2,806	270	204
number, 2007	(D)	973,937	5,718,579	613,529	23,224
2002	(D)	778,371	6,212,594	567,792	30,956
Broilers and other meat-type chickens ....farms, 2007	141	959	1,872	106	149
2002	223	1,120	2,479	190	157
number, 2007	102,223	41,040,292	118,612,254	2,567	42,485
2002	97,096	25,608,347	79,458,376	3,762	20,753
Turkeys (see text) ....farms, 2007	148	526	1,210	186	106
2002	152	550	1,589	206	95
number, 2007	2,232,577	3,479	1,986,815	2,189,319	5,748
2002	1,975,394	4,102	1,280,705	(D)	1,909
Ducks, geese, and other poultry species (see text) ....farms, 2007	551	2,556	7,290	604	346
2002	408	1,946	6,354	665	268
SALES					
Any poultry sold (see text) ....farms, 2007	977	4,369	12,747	1,133	1,001
2002	451	2,554	6,319	645	571
Layers and pullets sold ....farms, 2007	102	993	2,112	239	185
2002	118	893	2,106	228	175
number, 2007	768,968	3,648,926	13,852,706	1,474,276	163,748
2002	1,479,735	2,533,497	19,040,689	2,859,330	170,573
Layers sold (see text) ....farms, 2007	101	917	1,976	228	178
2002	102	664	1,574	165	129
number, 2007	768,468	1,609,194	7,912,914	1,473,351	163,388
2002	1,478,400	923,682	10,418,566	(D)	167,867
Pullets for laying flock replacement sold ....farms, 2007	11	131	274	27	9
2002	26	333	835	100	57
number, 2007	500	2,039,732	5,939,792	925	360
2002	1,335	1,609,815	8,622,123	(D)	2,706
Broilers and other meat-type chickens sold ....farms, 2007	85	670	1,277	39	133
2002	124	792	1,581	67	146
number, 2007	272,986	206,132,684	616,299,999	1,165	(D)
2002	321,260	181,420,343	538,737,966	2,898	113,776
2007 farms by number sold:					
1 to 1,999	72	123	435	39	131
2,000 to 59,999	11	16	23	-	1
60,000 to 99,999	1	22	22	-	-
100,000 to 199,999	1	78	63	-	1
200,000 to 499,999	-	330	281	-	-
500,000 or more	-	101	453	-	-
Turkeys sold (see text) ....farms, 2007	60	111	306	97	104
2002	65	139	496	132	101
number, 2007	4,597,204	1,871	6,609,401	4,214,209	52,721
2002	4,621,776	2,955	6,237,761	(D)	53,956
Ducks, geese, and other poultry species sold (see text) ....farms, 2007	213	509	1,338	180	72
2002	176	574	1,723	196	58

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Table 13. **Poultry - Inventory and Sales: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
INVENTORY						
Any poultry	farms, 2007	4,590	5,404	3,047	8,789	870
	2002	3,341	3,085	2,278	5,702	687
Layers (see text)	farms, 2007	3,464	4,878	2,580	7,211	776
	2002	1,937	2,533	1,799	4,243	574
	number, 2007	3,208,912	5,785,648	1,220,280	4,873,675	16,238
	2002	3,222,127	5,008,881	1,383,009	4,415,462	14,567
2007 farms by inventory:						
1 to 49		2,977	4,528	2,308	6,184	712
50 to 99		227	247	139	595	56
100 to 399		122	77	50	309	8
400 to 3,199		21	10	3	61	-
3,200 to 9,999		41	1	19	23	-
10,000 to 19,999		53	-	44	22	-
20,000 to 49,999		16	1	17	7	-
50,000 to 99,999		3	3	-	5	-
100,000 or more		4	11	-	5	-
Pullets for laying flock replacement	farms, 2007	509	639	303	909	106
	2002	541	570	389	1,020	108
	number, 2007	1,187,798	1,212,493	653,630	1,246,357	1,448
	2002	1,277,548	1,310,644	813,131	1,188,503	2,592
Broilers and other meat-type chickens	farms, 2007	738	467	334	1,723	49
	2002	919	413	405	1,671	106
	number, 2007	43,744,639	4,647,226	12,813,593	7,060,316	1,523
	2002	45,429,958	4,712,035	12,181,309	5,545,047	2,158
Turkeys (see text)	farms, 2007	572	408	214	780	90
	2002	497	275	242	674	106
	number, 2007	6,330,958	3,792	1,641,120	3,685,648	441
	2002	7,272,456	(D)	1,429,776	2,595,460	737
Ducks, geese, and other poultry species (see text)	farms, 2007	1,495	1,932	818	3,411	343
	2002	929	1,089	618	2,287	282
SALES						
Any poultry sold (see text)	farms, 2007	3,790	3,810	2,434	7,058	610
	2002	2,140	1,540	995	3,110	254
Layers and pullets sold	farms, 2007	677	805	419	1,096	106
	2002	548	546	370	895	100
	number, 2007	4,586,382	3,349,028	2,755,101	3,210,646	3,412
	2002	5,228,363	3,096,657	3,493,074	4,712,091	4,054
Layers sold (see text)	farms, 2007	602	772	382	1,027	102
	2002	406	447	300	700	85
	number, 2007	2,323,378	(D)	1,325,661	2,342,719	3,110
	2002	2,332,276	(D)	1,374,288	2,177,503	2,959
Pullets for laying flock replacement sold	farms, 2007	109	72	52	117	20
	2002	205	172	98	311	30
	number, 2007	2,263,004	(D)	1,429,440	867,927	302
	2002	2,896,087	(D)	2,118,786	2,534,588	1,095
Broilers and other meat-type chickens sold	farms, 2007	672	307	216	1,238	41
	2002	855	327	246	1,226	44
	number, 2007	249,184,367	31,669,170	88,778,413	46,804,252	1,890
	2002	266,103,921	33,017,116	88,699,422	33,652,214	2,227
2007 farms by number sold:						
1 to 1,999		128	265	54	1,109	41
2,000 to 59,999		26	1	2	30	-
60,000 to 99,999		10	-	2	3	-
100,000 to 199,999		80	2	10	-	-
200,000 to 499,999		264	10	69	59	-
500,000 or more		164	29	79	37	-
Turkeys sold (see text)	farms, 2007	344	189	87	370	23
	2002	372	141	95	362	25
	number, 2007	18,434,065	3,324	3,690,527	7,388,209	192
	2002	19,745,278	23,085	4,953,624	6,017,181	371
Ducks, geese, and other poultry species sold (see text)	farms, 2007	304	420	119	919	53
	2002	243	382	118	759	82

Table 14. **Miscellaneous Poultry - Inventory and Number Sold: 2007 and 2002**

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
DUCKS				
United States Total				
United States 2007	31,391	3,984,982	5,946	27,321,288
2002	26,140	3,823,629	5,835	24,143,066
States, 2007				
Alabama	484	4,785	83	1,475
Alaska	25	280	10	1,172
Arizona	287	2,289	28	154
Arkansas	698	7,019	88	11,524
California	850	802,076	160	6,222,352
Colorado	676	7,307	89	7,822
Connecticut	217	3,861	53	1,547
Delaware	23	418	14	208
Florida	791	15,590	213	11,636
Georgia	563	10,397	85	5,497
Hawaii	116	1,185	21	268
Idaho	251	3,366	47	(D)
Illinois	720	14,599	143	31,297
Indiana	793	1,538,664	249	9,886,148
Iowa	745	10,647	175	4,866
Kansas	589	5,364	75	1,766
Kentucky	909	11,095	152	4,430
Louisiana	423	14,010	60	13,831
Maine	239	3,680	47	(D)
Maryland	203	31,800	62	(D)
Massachusetts	403	6,023	77	1,632
Michigan	1,450	30,885	311	23,001
Minnesota	1,092	20,266	278	32,815
Mississippi	495	5,976	79	2,341
Missouri	1,251	20,062	166	37,316
Montana	296	26,489	57	17,517
Nebraska	534	5,871	75	1,254
Nevada	68	506	4	23
New Hampshire	178	1,689	26	(D)
New Jersey	316	(D)	105	(D)
New Mexico	280	5,601	37	(D)
New York	890	204,552	238	2,431,877
North Carolina	792	22,310	149	46,247
North Dakota	132	2,057	26	271
Ohio	996	29,970	206	22,657
Oklahoma	947	9,879	156	4,582
Oregon	728	8,370	118	11,047
Pennsylvania	1,368	458,430	338	3,029,723
Rhode Island	31	286	7	77
South Carolina	444	13,354	74	129,699
South Dakota	273	12,740	71	10,654
Tennessee	1,269	16,543	198	6,094
Texas	3,031	44,526	476	32,093
Utah	298	(D)	51	1,765
Vermont	165	1,187	19	185
Virginia	593	6,025	90	5,995
Washington	1,068	14,096	206	10,779
West Virginia	411	3,076	45	559
Wisconsin	1,816	413,598	387	4,990,956
Wyoming	174	1,338	22	137
EMUS				
United States Total				
United States 2007	3,621	28,443	524	6,540
2002	5,224	48,221	1,143	15,682
States, 2007				
Alabama	102	1,993	17	(D)
Arizona	52	246	10	72
Arkansas	63	474	10	86
California	243	1,770	40	410
Colorado	56	237	4	70
Connecticut	33	96	4	11
Delaware	3	(D)	1	(D)
Florida	208	1,032	33	407
Georgia	83	672	11	61
Idaho	57	271	11	86
Illinois	71	407	8	29
Indiana	20	103	4	9
Iowa	38	315	9	225
Kansas	49	1,010	9	163
Kentucky	73	437	9	48
Louisiana	28	284	3	6
Maine	14	108	2	(D)
Maryland	51	381	8	74
Massachusetts	24	454	10	155
Michigan	118	536	20	101
Minnesota	62	1,121	10	140
Mississippi	45	734	3	(D)
Missouri	107	1,126	11	134
Montana	22	164	2	(D)
Nebraska	22	123	7	30
Nevada	19	203	-	-
New Hampshire	13	48	2	(D)

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Table 14. **Miscellaneous Poultry - Inventory and Number Sold: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
EMUS - Con.				
States, 2007 - Con.				
New Jersey	48	260	6	65
New Mexico	32	186	1	(D)
New York	65	240	3	20
North Carolina	108	987	13	130
North Dakota	25	537	-	-
Ohio	54	210	11	26
Oklahoma	146	889	11	432
Oregon	91	726	16	352
Pennsylvania	142	751	22	164
Rhode Island	4	7	-	-
South Carolina	71	320	15	176
South Dakota	20	83	2	(D)
Tennessee	85	649	18	340
Texas	635	5,215	78	1,077
Utah	38	110	3	9
Vermont	20	260	7	127
Virginia	77	440	20	168
Washington	98	966	10	113
West Virginia	29	117	3	(D)
Wisconsin	150	913	27	206
Wyoming	7	(D)	-	-
GEESE				
United States Total				
United States 2007	18,869	177,812	2,497	161,133
2002	17,110	173,000	2,920	200,564
States, 2007				
Alabama	337	3,231	59	554
Alaska	19	92	7	(D)
Arizona	232	858	13	60
Arkansas	450	3,095	48	551
California	672	8,084	76	1,844
Colorado	433	2,603	52	263
Connecticut	137	913	12	71
Delaware	10	122	2	(D)
Florida	642	4,538	136	1,572
Georgia	303	2,307	35	270
Hawaii	62	371	5	16
Idaho	186	922	23	81
Illinois	437	2,907	36	250
Indiana	333	2,234	37	321
Iowa	460	5,866	82	1,037
Kansas	414	2,318	36	189
Kentucky	521	3,549	63	531
Louisiana	207	1,938	22	191
Maine	184	814	14	64
Maryland	146	722	17	92
Massachusetts	199	1,348	15	76
Michigan	741	8,708	128	1,483
Minnesota	752	12,774	119	(D)
Mississippi	267	2,501	32	365
Missouri	699	5,866	80	514
Montana	179	5,955	23	(D)
Nebraska	358	2,835	26	213
Nevada	37	190	3	15
New Hampshire	130	1,003	21	168
New Jersey	206	3,770	35	334
New Mexico	241	3,653	31	1,301
New York	586	5,628	96	1,192
North Carolina	437	4,197	69	797
North Dakota	104	3,885	12	(D)
Ohio	504	4,215	82	893
Oklahoma	597	3,314	67	350
Oregon	419	2,451	63	3,041
Pennsylvania	732	7,311	99	(D)
Rhode Island	15	63	4	13
South Carolina	246	2,099	51	487
South Dakota	180	10,818	22	(D)
Tennessee	610	4,517	79	781
Texas	1,788	14,054	226	2,979
Utah	208	1,451	38	208
Vermont	111	556	9	46
Virginia	380	3,032	44	386
Washington	535	3,371	72	767
West Virginia	193	1,076	19	86
Wisconsin	1,109	8,737	147	2,801
Wyoming	121	950	10	78

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Table 14. **Miscellaneous Poultry - Inventory and Number Sold: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
OSTRICHES				
United States Total				
United States 2007	714	11,188	155	5,697
2002	1,643	20,560	472	16,038
States, 2007				
Alabama	13	28	-	-
Arizona	10	(D)	5	(D)
Arkansas	13	56	1	(D)
California	74	1,860	13	569
Colorado	16	72	2	(D)
Connecticut	6	9	-	-
Florida	34	534	4	(D)
Georgia	13	78	4	13
Hawaii	3	9	-	-
Idaho	13	166	3	15
Illinois	15	208	3	(D)
Indiana	2	(D)	3	(D)
Iowa	12	270	8	61
Kansas	23	805	13	919
Kentucky	12	43	2	(D)
Louisiana	7	42	-	-
Maine	2	(D)	-	-
Maryland	4	13	-	-
Massachusetts	2	(D)	-	-
Michigan	23	117	6	96
Minnesota	16	28	2	(D)
Mississippi	7	28	-	-
Missouri	17	67	1	(D)
Montana	5	24	-	-
Nebraska	11	336	5	218
Nevada	6	29	-	-
New Hampshire	-	-	1	(D)
New Jersey	11	(D)	1	(D)
New Mexico	19	220	7	15
New York	18	139	-	-
North Carolina	28	682	9	213
North Dakota	2	(D)	-	-
Ohio	14	69	6	28
Oklahoma	26	109	2	(D)
Oregon	13	32	2	(D)
Pennsylvania	22	129	8	128
South Carolina	5	34	3	17
South Dakota	1	(D)	-	-
Tennessee	20	65	3	11
Texas	101	2,768	20	1,846
Utah	9	49	1	(D)
Virginia	18	83	6	32
Washington	9	53	3	6
West Virginia	6	38	2	(D)
Wisconsin	26	604	6	309
Wyoming	7	27	-	-
PHEASANTS				
United States Total				
United States 2007	5,313	3,773,593	2,582	10,876,586
2002	4,977	2,267,136	2,519	7,206,460
States, 2007				
Alabama	72	23,993	31	40,538
Alaska	3	(D)	2	(D)
Arizona	40	411	3	(D)
Arkansas	64	4,711	19	8,907
California	183	217,584	74	532,765
Colorado	99	24,272	43	106,058
Connecticut	50	59,826	29	80,485
Delaware	5	18	1	(D)
Florida	102	8,472	24	10,881
Georgia	125	76,929	58	86,910
Hawaii	21	2,092	8	2,105
Idaho	69	66,221	35	100,940
Illinois	145	160,168	81	465,276
Indiana	113	13,934	47	28,758
Iowa	99	44,001	61	110,925
Kansas	131	190,963	81	875,712
Kentucky	118	26,626	41	38,492
Louisiana	29	1,608	8	1,033
Maine	27	6,400	7	7,776
Maryland	23	(D)	6	(D)
Massachusetts	67	(D)	23	(D)
Michigan	313	338,446	187	597,201
Minnesota	272	311,481	168	1,104,303
Mississippi	38	4,089	16	5,244
Missouri	99	32,889	57	39,964
Montana	39	15,833	41	107,500
Nebraska	109	55,550	56	208,829
Nevada	9	(D)	4	(D)
New Hampshire	16	255	10	710
New Jersey	66	196,852	42	227,413
New Mexico	26	(D)	11	(D)

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Table 14. **Miscellaneous Poultry - Inventory and Number Sold: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
PHEASANTS - Con.				
States, 2007 - Con.				
New York	216	61,555	135	364,941
North Carolina	111	51,093	41	94,091
North Dakota	29	9,583	22	64,755
Ohio	207	101,921	118	990,076
Oklahoma	112	10,178	49	11,511
Oregon	158	60,097	81	236,712
Pennsylvania	376	424,251	149	773,312
Rhode Island	9	(D)	4	(D)
South Carolina	76	1,484	19	1,064
South Dakota	120	450,713	110	1,596,063
Tennessee	109	8,681	32	5,498
Texas	317	52,175	86	76,757
Utah	97	74,337	62	218,552
Vermont	14	(D)	8	(D)
Virginia	93	24,114	32	23,857
Washington	175	28,031	52	45,913
West Virginia	38	1,113	13	709
Wisconsin	466	433,795	280	1,352,589
Wyoming	18	25,920	15	42,391
PIGEONS OR SQUAB				
United States Total				
United States 2007	5,369	531,489	1,441	1,294,163
2002	4,405	449,255	1,309	1,160,364
States, 2007				
Alabama	88	2,508	28	406
Alaska	2	(D)	1	(D)
Arizona	55	3,015	12	2,314
Arkansas	70	3,398	11	953
California	326	170,473	126	657,592
Colorado	86	2,427	18	1,269
Connecticut	39	3,148	15	1,976
Delaware	14	342	7	330
Florida	179	10,022	62	8,940
Georgia	99	3,018	26	917
Hawaii	2	(D)	2	(D)
Idaho	46	2,008	11	(D)
Illinois	149	6,250	36	2,319
Indiana	138	10,680	32	11,564
Iowa	103	7,315	34	6,264
Kansas	104	4,616	14	618
Kentucky	189	7,334	49	5,403
Louisiana	82	2,396	20	1,028
Maine	22	297	5	28
Maryland	34	601	3	74
Massachusetts	46	3,358	6	1,808
Michigan	231	8,755	50	2,608
Minnesota	188	24,217	61	16,682
Mississippi	86	(D)	14	792
Missouri	179	9,642	58	6,247
Montana	29	1,097	6	1,281
Nebraska	63	4,486	10	1,544
Nevada	5	150	-	-
New Hampshire	9	201	3	300
New Jersey	76	10,172	29	6,582
New Mexico	39	1,230	6	205
New York	167	21,394	40	23,188
North Carolina	115	5,559	29	1,520
North Dakota	17	578	2	(D)
Ohio	152	14,680	47	20,955
Oklahoma	184	6,903	38	7,162
Oregon	144	9,497	31	4,148
Pennsylvania	362	38,445	147	(D)
Rhode Island	3	6	3	(D)
South Carolina	117	(D)	36	(D)
South Dakota	24	986	12	266
Tennessee	149	5,210	37	1,329
Texas	478	19,421	80	3,773
Utah	81	8,545	28	6,537
Vermont	24	625	1	(D)
Virginia	81	4,121	18	2,545
Washington	160	26,180	54	142,282
West Virginia	45	436	7	62
Wisconsin	262	9,206	74	7,294
Wyoming	26	756	2	(D)
QUAIL				
United States Total				
United States 2007	3,983	10,611,067	2,072	39,968,045
2002	3,742	4,888,196	1,907	19,157,803
States, 2007				
Alabama	161	1,458,393	115	3,265,438
Alaska	-	-	1	(D)
Arizona	19	782	4	(D)

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Table 14. **Miscellaneous Poultry - Inventory and Number Sold: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
QUAIL - Con.				
States, 2007 - Con.				
Arkansas	78	26,107	47	33,915
California	152	261,032	44	531,423
Colorado	51	13,458	24	45,719
Connecticut	15	(D)	9	4,928
Delaware	9	(D)	3	(D)
Florida	156	283,073	62	245,742
Georgia	158	2,991,860	127	17,391,084
Hawaii	6	181	2	(D)
Idaho	28	2,346	9	1,235
Illinois	123	72,665	72	180,364
Indiana	75	46,986	49	84,755
Iowa	63	41,573	41	(D)
Kansas	107	158,440	74	454,833
Kentucky	124	59,413	56	90,906
Louisiana	66	67,008	21	59,497
Maine	20	1,037	8	(D)
Maryland	16	(D)	5	22,138
Massachusetts	42	(D)	13	4,949
Michigan	93	39,975	54	91,520
Minnesota	64	29,674	30	110,576
Mississippi	128	286,973	80	392,684
Missouri	125	79,692	74	108,000
Montana	24	2,029	13	6,268
Nebraska	39	8,415	28	10,362
Nevada	1	(D)	1	(D)
New Hampshire	17	1,034	3	126
New Jersey	41	76,622	25	71,570
New Mexico	31	6,906	14	16,366
New York	91	23,400	51	78,070
North Carolina	148	1,513,994	93	4,627,989
North Dakota	4	1,780	4	2,990
Ohio	122	32,796	61	49,855
Oklahoma	138	105,890	77	231,871
Oregon	74	12,014	34	19,986
Pennsylvania	267	195,479	111	357,576
Rhode Island	4	(D)	1	(D)
South Carolina	107	923,757	59	7,767,531
South Dakota	12	(D)	5	(D)
Tennessee	179	86,180	83	124,679
Texas	466	1,435,992	205	2,111,356
Utah	33	7,293	12	5,061
Vermont	12	(D)	8	(D)
Virginia	109	87,292	42	111,966
Washington	58	44,822	37	(D)
West Virginia	29	2,392	15	2,577
Wisconsin	90	21,156	61	51,728
Wyoming	8	3,009	5	13,970
OTHER POULTRY (SEE TEXT)				
United States Total				
United States 2007	34,401	2,993,318	6,640	4,354,448
2002	13,790	1,629,522	3,627	3,111,544
States, 2007				
Alabama	692	35,185	179	22,948
Alaska	12	416	6	2,982
Arizona	223	3,805	28	1,100
Arkansas	948	675,391	405	796,795
California	969	149,888	187	401,313
Colorado	469	87,991	106	129,924
Connecticut	199	12,007	40	7,019
Delaware	33	1,582	9	512
Florida	916	21,665	205	(D)
Georgia	846	132,795	196	154,672
Hawaii	109	6,064	18	1,730
Idaho	242	24,742	63	46,016
Illinois	676	71,071	109	53,665
Indiana	749	19,480	121	32,625
Iowa	584	14,274	101	48,913
Kansas	721	89,776	102	124,126
Kentucky	1,009	25,953	214	30,749
Louisiana	388	11,587	69	5,111
Maine	254	5,553	50	7,060
Maryland	270	(D)	49	41,043
Massachusetts	321	18,287	49	12,209
Michigan	1,316	65,238	269	80,804
Minnesota	1,008	67,358	186	99,789
Mississippi	573	43,190	89	(D)
Missouri	1,437	107,721	244	129,237
Montana	267	4,051	40	3,375
Nebraska	530	22,036	74	26,337
Nevada	61	4,172	12	(D)
New Hampshire	182	2,497	31	522
New Jersey	397	33,728	100	29,889
New Mexico	256	11,784	50	(D)
New York	907	86,316	188	99,852
North Carolina	1,115	65,960	212	123,366
North Dakota	134	2,395	33	5,755

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Table 14. **Miscellaneous Poultry - Inventory and Number Sold: 2007 and 2002** - Con.

[Data include poultry sold and moved off the farm. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
OTHER POULTRY (SEE TEXT) - Con.				
States, 2007 - Con.				
Ohio	1,115	32,849	242	35,413
Oklahoma	1,630	55,648	263	131,269
Oregon	614	22,467	118	35,111
Pennsylvania	1,477	458,169	350	1,027,290
Rhode Island	42	620	12	603
South Carolina	576	15,296	120	36,742
South Dakota	239	6,645	35	3,040
Tennessee	1,481	31,456	258	17,211
Texas	4,171	124,910	642	121,882
Utah	245	16,619	55	26,521
Vermont	142	3,584	35	1,959
Virginia	911	28,011	159	19,397
Washington	841	23,467	156	28,893
West Virginia	473	(D)	69	4,856
Wisconsin	1,470	56,978	266	155,897
Wyoming	161	7,267	26	17,957
POULTRY HATCHED (SEE TEXT)				
United States Total				
United States 2007	(X)	(X)	22,022	10,583,506,243
2002	(X)	(X)	31,824	10,186,919,783
States, 2007				
Alabama	(X)	(X)	558	1,385,765,265
Alaska	(X)	(X)	19	2,137
Arizona	(X)	(X)	188	7,161
Arkansas	(X)	(X)	473	1,229,676,952
California	(X)	(X)	853	357,300,976
Colorado	(X)	(X)	340	125,446
Connecticut	(X)	(X)	154	390,881
Delaware	(X)	(X)	25	(D)
Florida	(X)	(X)	704	76,418,367
Georgia	(X)	(X)	550	1,526,594,360
Hawaii	(X)	(X)	64	(D)
Idaho	(X)	(X)	199	(D)
Illinois	(X)	(X)	399	506,004
Indiana	(X)	(X)	399	138,480,726
Iowa	(X)	(X)	346	135,803,216
Kansas	(X)	(X)	342	(D)
Kentucky	(X)	(X)	727	338,963,412
Louisiana	(X)	(X)	318	173,039,164
Maine	(X)	(X)	195	(D)
Maryland	(X)	(X)	180	373,727,822
Massachusetts	(X)	(X)	227	110,589
Michigan	(X)	(X)	832	8,891,255
Minnesota	(X)	(X)	647	138,216,159
Mississippi	(X)	(X)	424	834,292,981
Missouri	(X)	(X)	726	395,565,597
Montana	(X)	(X)	171	(D)
Nebraska	(X)	(X)	267	1,044,326
Nevada	(X)	(X)	38	777
New Hampshire	(X)	(X)	120	(D)
New Jersey	(X)	(X)	246	185,324
New Mexico	(X)	(X)	211	(D)
New York	(X)	(X)	680	2,627,408
North Carolina	(X)	(X)	702	911,670,587
North Dakota	(X)	(X)	87	(D)
Ohio	(X)	(X)	656	100,494,259
Oklahoma	(X)	(X)	861	308,320,183
Oregon	(X)	(X)	583	54,539,234
Pennsylvania	(X)	(X)	781	238,711,482
Rhode Island	(X)	(X)	42	23,504
South Carolina	(X)	(X)	363	246,193,690
South Dakota	(X)	(X)	146	2,292,828
Tennessee	(X)	(X)	649	122,391,775
Texas	(X)	(X)	2,676	754,815,069
Utah	(X)	(X)	230	(D)
Vermont	(X)	(X)	116	(D)
Virginia	(X)	(X)	539	335,192,029
Washington	(X)	(X)	733	(D)
West Virginia	(X)	(X)	265	(D)
Wisconsin	(X)	(X)	882	60,892,481
Wyoming	(X)	(X)	89	(D)

Table 15. **Horses and Ponies - Inventory and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory				Sold			
	Total		Owned		Total		Owned	
	Farms	Number	Farms	Number	Farms	Number	Farms	Number
UNITED STATES TOTAL								
United States 2007	575,942	4,028,827	501,528	3,224,964	133,472	506,503	106,050	400,845
2002	542,223	3,644,278	(NA)	(NA)	124,586	470,423	(NA)	(NA)
STATES, 2007								
Alabama	12,424	87,111	11,061	73,085	3,394	12,465	2,654	9,818
Alaska	197	2,270	177	1,941	48	123	42	84
Arizona	8,982	68,745	8,611	60,759	1,633	6,435	1,406	5,532
Arkansas	12,994	78,968	11,272	66,821	2,870	11,257	2,287	9,250
California	20,270	180,723	18,008	133,872	4,888	18,023	3,787	13,644
Colorado	14,690	119,040	13,094	93,168	3,925	14,908	3,184	11,819
Connecticut	1,306	11,510	1,134	6,809	293	1,382	211	957
Delaware	490	3,964	451	2,874	118	445	91	336
Florida	13,816	120,614	12,627	93,591	4,194	16,111	3,329	12,429
Georgia	11,905	76,706	10,366	63,003	2,638	8,514	2,062	6,512
Hawaii	842	6,547	672	5,100	111	331	95	299
Idaho	10,376	74,029	8,756	59,911	2,380	8,544	1,803	6,447
Illinois	11,779	79,481	10,070	59,827	2,423	8,953	1,707	6,650
Indiana	12,254	81,155	10,849	68,051	3,194	10,823	2,631	8,475
Iowa	10,605	71,994	9,127	60,973	2,694	10,971	2,575	10,328
Kansas	14,043	89,898	11,932	67,583	2,503	9,174	1,744	6,033
Kentucky	22,242	175,503	19,430	144,341	5,939	30,413	5,027	26,557
Louisiana	8,796	60,520	7,946	51,916	2,582	8,386	2,393	7,534
Maine	1,978	12,157	1,737	9,129	428	1,105	307	808
Maryland	3,225	30,747	2,813	21,557	985	3,618	765	2,878
Massachusetts	2,369	20,580	2,100	12,938	477	3,009	327	1,233
Michigan	14,647	101,138	13,142	79,812	3,618	11,695	2,905	9,159
Minnesota	13,048	90,140	11,205	69,814	2,963	11,700	2,098	8,573
Mississippi	9,792	65,328	8,411	54,103	2,329	8,289	1,796	6,421
Missouri	24,495	149,165	20,996	122,797	5,294	21,073	4,105	16,265
Montana	12,849	105,243	10,843	84,737	2,584	11,519	2,019	9,491
Nebraska	10,193	65,624	8,721	54,420	2,030	9,536	1,581	7,475
Nevada	1,863	18,396	1,575	14,724	467	1,978	392	1,642
New Hampshire	1,321	9,900	1,174	6,625	236	729	176	497
New Jersey	2,960	30,144	2,680	18,657	948	2,999	805	2,212
New Mexico	9,257	53,616	7,981	44,566	1,671	6,004	1,313	4,517
New York	11,404	84,997	10,036	62,655	2,714	10,291	1,953	7,677
North Carolina	13,040	78,377	11,408	62,953	2,898	8,710	2,455	7,358
North Dakota	5,884	44,750	4,868	36,400	1,130	6,874	817	5,542
Ohio	18,275	119,198	15,826	92,594	4,511	14,331	3,184	10,105
Oklahoma	26,371	165,555	22,889	136,485	5,659	22,550	4,375	17,376
Oregon	13,027	89,420	11,147	70,169	3,113	9,759	2,421	7,573
Pennsylvania	17,836	116,332	15,419	90,162	3,560	12,524	3,219	10,920
Rhode Island	366	3,486	325	2,148	49	151	27	94
South Carolina	6,420	43,283	5,664	34,428	1,633	5,446	1,299	4,152
South Dakota	8,128	70,225	6,857	59,624	1,776	10,212	1,369	8,292
Tennessee	21,914	142,003	19,061	117,599	5,601	20,659	4,561	16,248
Texas	70,728	438,827	61,130	358,472	15,863	56,506	12,274	43,017
Utah	8,444	59,783	7,249	48,163	1,989	7,098	1,551	5,455
Vermont	1,839	13,285	1,590	9,529	370	1,248	252	964
Virginia	13,520	90,363	11,732	69,885	2,805	9,158	2,032	6,538
Washington	10,957	89,739	9,728	71,431	3,405	12,157	2,826	10,112
West Virginia	6,927	37,728	5,915	31,339	1,303	4,313	1,178	3,878
Wisconsin	18,711	120,044	16,171	93,976	3,209	10,170	2,706	8,556
Wyoming	6,143	80,476	5,552	69,448	2,027	13,834	1,934	13,113

Table 16. **Sheep and Lambs - Inventory, Wool Production, and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Sheep and lambs inventory ..... farms, 2007	83,134	522	49	4,978	728	4,063
2002	73,814	445	36	411	556	4,009
number, 2007	5,819,162	16,926	951	153,829	15,262	596,163
2002	6,341,799	11,374	530	114,888	13,797	731,558
2007 farms by inventory:						
1 to 24 ..... farms	54,889	361	44	3,539	559	2,893
number	520,091	2,903	(D)	37,997	4,430	26,692
25 to 99 ..... farms	21,070	126	4	1,365	142	844
number	952,129	6,117	250	55,427	6,485	38,224
100 to 299 ..... farms	4,762	29	-	67	24	195
number	746,733	4,405	-	(D)	3,301	29,644
300 to 999 ..... farms	1,599	6	1	2	3	53
number	801,425	3,501	(D)	(D)	1,046	26,839
1,000 or more ..... farms	814	-	-	5	-	78
number	2,798,784	-	-	50,967	-	474,764
Ewes 1 year old or older ..... farms, 2007	68,222	435	41	2,843	583	3,413
2002	66,769	386	34	370	474	3,643
number, 2007	3,516,409	10,060	486	75,285	9,390	286,544
2002	3,632,196	6,733	257	59,228	8,496	304,183
Wool production ..... farms, 2007	43,091	99	17	2,138	128	1,841
2002	47,208	186	19	201	280	2,295
pounds, 2007	34,017,725	34,844	2,434	764,101	34,615	2,992,710
2002	39,798,847	42,536	1,918	427,449	65,087	3,723,761
Sheep and lambs sold ..... farms, 2007	53,268	295	17	1,345	417	2,466
2002	47,464	196	16	216	301	2,384
number, 2007	4,579,608	7,612	189	44,537	7,664	380,852
2002	5,426,904	5,195	119	40,791	6,263	449,308

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Sheep and lambs inventory ..... farms, 2007	1,600	399	56	875	664	394
2002	1,613	335	54	617	529	103
number, 2007	413,450	5,767	903	13,030	11,313	22,376
2002	382,933	5,581	1,028	10,794	11,318	19,909
2007 farms by inventory:						
1 to 24 ..... farms	1,067	343	46	746	516	335
number	8,889	2,696	423	5,321	3,679	(D)
25 to 99 ..... farms	347	52	10	110	134	47
number	15,777	2,034	480	4,242	5,816	1,838
100 to 299 ..... farms	94	3	-	16	14	8
number	15,207	(D)	-	2,325	1,818	1,142
300 to 999 ..... farms	33	1	-	3	-	3
number	18,194	(D)	-	1,142	-	1,573
1,000 or more ..... farms	59	-	-	-	-	1
number	355,383	-	-	-	-	(D)
Ewes 1 year old or older ..... farms, 2007	1,265	316	48	631	509	300
2002	1,428	304	50	489	426	91
number, 2007	200,269	3,482	482	7,354	6,735	8,841
2002	155,038	3,333	476	5,612	6,377	6,800
Wool production ..... farms, 2007	868	262	23	82	168	22
2002	1,123	164	27	137	195	45
pounds, 2007	2,916,141	28,972	3,375	9,199	25,257	5,330
2002	2,377,030	25,157	4,217	14,427	31,829	144,320
Sheep and lambs sold ..... farms, 2007	1,112	195	29	381	292	126
2002	1,224	137	17	261	194	34
number, 2007	744,826	2,805	415	5,886	5,087	4,784
2002	931,578	2,754	204	4,690	5,105	4,639

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Sheep and lambs inventory ..... farms, 2007	1,210	1,886	1,968	3,522	1,166	1,436
2002	1,310	1,916	2,105	3,751	1,335	1,230
number, 2007	229,022	52,360	49,021	209,285	84,194	36,996
2002	255,858	66,078	61,620	249,908	81,145	27,443
2007 farms by inventory:						
1 to 24 ..... farms	799	1,263	1,402	1,795	694	1,018
number	7,459	(D)	14,056	21,456	6,815	9,128
25 to 99 ..... farms	295	535	484	1,299	318	357
number	14,344	23,826	20,546	60,127	14,877	15,241
100 to 299 ..... farms	60	83	71	345	101	47
number	9,350	11,830	10,072	53,647	16,328	6,693
300 to 999 ..... farms	13	4	11	65	38	14
number	6,334	1,588	4,347	29,199	19,523	5,934
1,000 or more ..... farms	43	1	-	18	15	-
number	191,535	(D)	-	44,856	26,651	-
Ewes 1 year old or older ..... farms, 2007	1,047	1,663	1,678	3,168	1,011	1,171
2002	1,150	1,782	1,919	3,531	1,227	1,056
number, 2007	161,935	34,832	32,656	128,518	52,614	22,225
2002	163,812	39,673	37,428	130,808	46,107	16,808
Wool production ..... farms, 2007	669	1,200	1,085	2,517	664	462
2002	787	1,418	1,427	3,079	815	601
pounds, 2007	1,752,184	318,484	236,518	1,251,857	424,803	104,290
2002	1,893,621	419,946	389,321	1,550,399	416,035	129,312
Sheep and lambs sold ..... farms, 2007	1,009	1,427	1,471	3,161	898	863
2002	944	1,268	1,380	2,903	959	606
number, 2007	220,481	44,901	33,332	279,457	87,334	23,484
2002	226,012	42,792	40,236	257,130	63,270	25,219

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Table 16. **Sheep and Lambs - Inventory, Wool Production, and Number Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Sheep and lambs inventory ....farms, 2007	549	647	804	734	2,409	2,522
2002	420	524	655	514	2,236	2,854
number, 2007	8,723	10,918	22,143	11,787	81,728	144,557
2002	6,704	9,353	22,702	9,592	88,541	154,852
2007 farms by inventory:						
1 to 24 .... farms	451	531	593	607	1,711	1,379
number	4,277	4,898	(D)	5,068	13,861	14,547
25 to 99 .... farms	91	104	174	116	551	859
number	3,498	4,119	7,013	4,952	25,700	40,210
100 to 299 .... farms	7	11	29	10	110	203
number	948	(D)	4,399	(D)	16,356	32,054
300 to 999 .... farms	-	1	7	1	30	67
number	-	(D)	2,782	(D)	14,712	30,911
1,000 or more .... farms	-	-	1	-	7	14
number	-	-	(D)	-	11,099	26,835
Ewes 1 year old or older ....farms, 2007	419	551	700	615	1,969	2,225
2002	363	491	594	458	1,980	2,676
number, 2007	4,956	6,854	13,660	7,537	48,398	85,049
2002	4,064	5,773	12,564	6,267	46,649	92,801
Wool production ....farms, 2007	104	426	607	434	1,317	1,750
2002	101	317	416	274	1,423	2,182
pounds, 2007	21,997	66,838	109,095	63,971	436,904	908,434
2002	15,970	50,346	106,300	45,411	584,510	986,437
Sheep and lambs sold ....farms, 2007	246	349	531	348	1,586	2,021
2002	153	281	379	271	1,377	2,019
number, 2007	3,206	4,351	12,195	8,182	63,139	144,116
2002	2,033	4,400	12,227	6,307	67,556	145,336

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Sheep and lambs inventory ....farms, 2007	380	2,247	1,493	1,287	250	531
2002	334	2,059	1,898	1,435	327	395
number, 2007	8,414	77,082	272,012	76,397	68,581	7,671
2002	6,990	76,015	305,753	97,373	77,913	7,423
2007 farms by inventory:						
1 to 24 .... farms	277	1,442	623	655	185	448
number	2,228	14,491	6,167	7,440	(D)	3,900
25 to 99 .... farms	88	659	411	446	43	80
number	3,694	29,954	20,943	20,810	1,874	3,368
100 to 299 .... farms	14	118	251	151	6	3
number	(D)	18,359	43,364	22,169	(D)	403
300 to 999 .... farms	1	24	142	31	2	-
number	(D)	10,090	72,283	14,830	(D)	-
1,000 or more .... farms	-	4	66	4	14	-
number	-	4,188	129,255	11,148	62,741	-
Ewes 1 year old or older ....farms, 2007	309	1,911	1,375	1,133	223	454
2002	265	1,876	1,843	1,349	296	354
number, 2007	5,194	51,328	184,087	47,965	42,822	4,707
2002	3,643	45,355	219,004	57,142	57,455	4,561
Wool production ....farms, 2007	73	1,075	1,171	858	137	341
2002	96	1,382	1,513	1,074	190	235
pounds, 2007	17,176	347,579	2,096,155	470,435	502,828	42,351
2002	19,330	417,808	2,588,412	642,829	709,368	36,415
Sheep and lambs sold ....farms, 2007	192	1,546	1,267	1,089	171	253
2002	140	1,255	1,504	1,142	201	185
number, 2007	3,606	54,967	205,548	79,594	42,504	4,365
2002	2,814	47,066	279,556	89,941	66,151	4,878

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Sheep and lambs inventory ....farms, 2007	1,018	2,896	1,799	1,275	678	3,409
2002	894	993	2,207	1,010	836	4,038
number, 2007	14,835	126,928	63,182	27,714	88,686	123,161
2002	15,336	154,810	83,630	22,863	114,002	149,936
2007 farms by inventory:						
1 to 24 .... farms	880	1,996	1,271	958	185	2,134
number	7,872	21,039	11,248	8,690	2,120	20,870
25 to 99 .... farms	127	795	408	271	274	1,061
number	5,198	33,493	19,498	11,723	14,192	48,551
100 to 299 .... farms	10	60	87	44	155	173
number	(D)	9,973	14,017	(D)	26,561	26,294
300 to 999 .... farms	1	24	30	2	57	34
number	(D)	14,338	13,327	(D)	26,962	15,351
1,000 or more .... farms	-	21	3	-	7	7
number	-	48,085	5,092	-	18,851	12,095
Ewes 1 year old or older ....farms, 2007	783	2,152	1,523	1,071	626	2,929
2002	797	829	2,055	878	786	3,661
number, 2007	8,336	87,131	42,321	16,419	60,676	74,331
2002	8,857	97,229	54,256	14,022	64,139	91,332
Wool production ....farms, 2007	477	1,742	1,104	420	601	2,203
2002	474	555	1,416	549	702	2,858
pounds, 2007	68,191	829,785	319,144	53,808	638,070	660,947
2002	62,946	1,215,334	431,110	96,603	760,255	857,656
Sheep and lambs sold ....farms, 2007	709	1,120	1,107	755	599	2,580
2002	582	511	1,228	515	688	2,826
number, 2007	9,167	54,861	46,448	14,437	69,458	92,936
2002	9,976	106,183	52,911	12,525	85,366	100,498

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Table 16. **Sheep and Lambs - Inventory, Wool Production, and Number Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Sheep and lambs inventory ..... farms, 2007	1,939	3,209	3,672	107	367
2002	2,186	3,385	3,504	77	267
number, 2007	76,243	217,401	96,883	1,459	7,852
2002	80,128	237,076	102,890	1,422	3,339
2007 farms by inventory:					
1 to 24 ..... farms	1,314	2,248	2,710	94	296
number	11,272	21,589	24,305	873	2,159
25 to 99 ..... farms	495	709	789	13	61
number	22,725	31,022	35,406	586	2,972
100 to 299 ..... farms	86	159	149	-	3
number	13,441	25,037	22,554	-	325
300 to 999 ..... farms	39	60	22	-	7
number	19,341	30,228	(D)	-	2,396
1,000 or more ..... farms	5	33	2	-	-
number	9,464	109,525	(D)	-	-
Ewes 1 year old or older ..... farms, 2007	1,470	2,802	3,067	89	261
2002	1,803	3,121	3,217	66	210
number, 2007	46,739	119,356	62,828	828	3,944
2002	47,151	131,588	61,191	853	1,787
Wool production ..... farms, 2007	560	1,832	2,036	48	85
2002	1,064	2,392	2,013	35	75
pounds, 2007	260,170	1,194,378	436,091	5,797	25,942
2002	423,571	1,759,247	488,454	6,449	11,426
Sheep and lambs sold ..... farms, 2007	1,242	2,226	2,327	56	153
2002	1,288	2,403	1,898	35	84
number, 2007	56,007	155,411	62,262	757	3,015
2002	62,981	207,034	65,960	791	941

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Sheep and lambs inventory ..... farms, 2007	1,669	1,261	8,750	1,615	626
2002	2,074	1,273	7,131	1,422	514
number, 2007	335,897	29,751	945,164	277,635	13,925
2002	376,468	23,295	1,029,813	310,934	14,743
2007 farms by inventory:					
1 to 24 ..... farms	438	913	5,293	1,037	488
number	5,352	7,140	49,626	10,433	4,706
25 to 99 ..... farms	572	296	2,157	354	126
number	29,122	13,256	98,093	15,865	5,613
100 to 299 ..... farms	397	45	748	109	7
number	64,638	6,754	122,603	16,563	1,322
300 to 999 ..... farms	203	7	366	48	5
number	102,965	2,601	195,713	26,528	2,284
1,000 or more ..... farms	59	-	186	67	-
number	133,820	-	479,129	208,246	-
Ewes 1 year old or older ..... farms, 2007	1,580	988	6,814	1,430	546
2002	1,924	1,091	6,290	1,247	489
number, 2007	210,005	17,671	580,861	210,388	9,162
2002	201,313	13,444	614,351	209,614	9,189
Wool production ..... farms, 2007	1,405	442	2,540	1,116	442
2002	1,724	576	3,949	945	312
pounds, 2007	2,184,778	100,029	4,604,047	2,248,895	81,167
2002	2,447,786	111,516	5,984,362	2,243,904	69,896
Sheep and lambs sold ..... farms, 2007	1,557	739	5,252	1,097	344
2002	1,788	591	4,561	983	265
number, 2007	309,269	17,846	530,646	198,692	9,837
2002	436,931	13,468	695,962	213,784	8,509

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Sheep and lambs inventory ..... farms, 2007	2,132	2,366	1,259	2,816	902
2002	1,697	1,709	1,153	2,472	966
number, 2007	77,648	53,220	38,338	89,575	412,804
2002	71,819	58,470	38,681	83,489	459,682
2007 farms by inventory:					
1 to 24 ..... farms	1,323	1,913	812	1,886	378
number	(D)	16,717	8,586	16,552	3,645
25 to 99 ..... farms	665	397	376	748	285
number	31,221	17,054	16,901	34,197	13,655
100 to 299 ..... farms	116	47	61	145	91
number	17,838	6,424	8,881	22,529	14,251
300 to 999 ..... farms	26	5	10	36	61
number	11,617	1,945	3,970	(D)	34,559
1,000 or more ..... farms	2	4	-	1	87
number	(D)	11,080	-	(D)	346,694
Ewes 1 year old or older ..... farms, 2007	1,796	1,977	1,082	2,413	817
2002	1,574	1,564	1,078	2,293	891
number, 2007	48,219	35,138	23,523	56,172	258,096
2002	44,150	35,575	25,570	51,397	308,741
Wool production ..... farms, 2007	949	1,172	765	1,922	692
2002	1,129	1,118	837	1,686	797
pounds, 2007	232,352	287,844	145,334	511,175	3,140,904
2002	329,794	399,231	189,438	517,946	3,532,422
Sheep and lambs sold ..... farms, 2007	1,365	1,416	913	1,850	758
2002	1,075	1,121	723	1,521	831
number, 2007	47,052	36,613	24,591	64,820	256,064
2002	47,955	43,600	24,632	58,751	344,576

Table 17. **All Goats - Inventory and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
UNITED STATES TOTAL				
United States 2007	144,466	3,140,529	61,748	1,387,576
2002	91,462	2,530,466	43,495	1,314,310
STATES, 2007				
Alabama	4,120	80,436	2,154	33,952
Alaska	39	442	19	168
Arizona	3,387	42,141	571	7,585
Arkansas	2,825	50,579	1,182	19,512
California	4,985	130,823	1,898	42,270
Colorado	2,720	48,978	1,021	21,264
Connecticut	496	4,578	153	1,729
Delaware	232	3,530	98	1,528
Florida	4,040	57,696	1,646	22,018
Georgia	4,283	83,976	1,890	32,058
Hawaii	343	9,169	137	2,836
Idaho	1,317	17,794	462	7,757
Illinois	2,461	33,676	1,056	18,752
Indiana	3,385	47,090	1,450	19,718
Iowa	2,257	55,950	1,155	33,028
Kansas	2,003	49,502	968	31,248
Kentucky	5,298	98,166	2,599	55,812
Louisiana	1,650	21,574	618	6,906
Maine	656	5,902	187	1,922
Maryland	1,163	16,889	470	7,216
Massachusetts	808	8,226	197	3,411
Michigan	3,186	27,841	936	11,738
Minnesota	1,953	36,790	768	16,774
Mississippi	1,837	30,649	822	12,290
Missouri	4,476	96,449	2,045	47,415
Montana	732	12,251	167	4,394
Nebraska	1,101	34,607	522	17,389
Nevada	317	11,894	134	8,870
New Hampshire	419	3,888	126	1,639
New Jersey	1,067	10,623	461	4,711
New Mexico	2,331	35,665	659	10,071
New York	2,707	39,920	943	16,818
North Carolina	5,589	98,356	2,742	44,264
North Dakota	276	4,292	106	2,386
Ohio	4,910	69,505	2,112	28,037
Oklahoma	5,716	125,303	2,818	67,676
Oregon	3,127	38,111	1,126	19,642
Pennsylvania	4,844	59,214	1,797	27,520
Rhode Island	96	700	29	305
South Carolina	2,949	43,589	1,189	14,777
South Dakota	590	10,742	253	7,383
Tennessee	6,828	130,968	3,092	62,053
Texas	26,366	1,139,962	13,925	508,377
Utah	1,105	17,286	339	9,083
Vermont	421	6,593	129	2,728
Virginia	3,934	63,091	1,509	24,377
Washington	3,143	32,840	1,077	14,862
West Virginia	2,136	27,946	870	10,203
Wisconsin	3,202	55,941	901	17,375
Wyoming	640	8,396	220	3,729

Table 18. **Milk Goats - Inventory and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
UNITED STATES TOTAL				
United States 2007	27,481	334,754	9,095	102,775
2002	22,389	290,789	8,850	113,654
STATES, 2007				
Alabama	444	4,032	157	1,236
Alaska	27	(D)	12	46
Arizona	273	2,669	107	924
Arkansas	477	5,057	174	2,197
California	1,402	39,198	494	7,255
Colorado	783	7,713	237	2,010
Connecticut	210	1,501	60	577
Delaware	51	(D)	23	(D)
Florida	778	6,632	256	2,196
Georgia	453	4,513	135	1,243
Hawaii	64	834	15	(D)
Idaho	379	3,148	126	1,419
Illinois	616	5,313	206	1,643
Indiana	1,070	10,301	355	3,541
Iowa	652	22,269	241	5,575
Kansas	479	4,503	165	1,473
Kentucky	747	6,129	248	2,316
Louisiana	167	1,315	63	570
Maine	293	2,524	88	799
Maryland	277	3,034	103	985
Massachusetts	271	2,467	81	870
Michigan	1,144	9,883	334	2,716
Minnesota	620	11,494	211	4,001
Mississippi	247	2,904	81	726
Missouri	951	8,866	289	3,218
Montana	242	1,722	73	497
Nebraska	263	2,353	82	948
Nevada	72	3,787	18	647
New Hampshire	177	1,926	71	642
New Jersey	224	1,796	75	537
New Mexico	242	2,458	65	635
New York	1,030	11,968	324	3,296
North Carolina	786	9,379	268	2,596
North Dakota	92	788	34	(D)
Ohio	1,258	10,072	415	3,178
Oklahoma	848	7,235	274	3,163
Oregon	901	8,300	322	3,204
Pennsylvania	1,342	14,297	426	5,901
Rhode Island	38	340	16	157
South Carolina	316	2,523	87	981
South Dakota	181	2,074	86	1,173
Tennessee	587	5,751	264	2,364
Texas	2,124	20,092	667	6,264
Utah	227	1,446	68	832
Vermont	197	4,480	64	1,465
Virginia	617	5,344	180	1,647
Washington	1,076	8,168	342	3,444
West Virginia	443	3,083	151	921
Wisconsin	1,088	36,367	372	8,872
Wyoming	235	1,909	90	896

Table 19. **Angora Goats - Inventory, Number Sold, and Mohair Production: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Angora goats				Mohair production [1]	
	Inventory		Sold			
	Farms	Number	Farms	Number	Farms	Pounds
UNITED STATES TOTAL						
United States 2007	7,215	204,106	1,645	50,017	4,312	1,375,100
2002	5,075	300,753	1,662	91,037	2,434	2,416,376
STATES, 2007						
Alabama	57	262	13	45	15	929
Alaska	1	(D)	-	-	1	(D)
Arizona	1,551	25,996	254	2,791	1,284	128,236
Arkansas	38	318	14	60	4	338
California	262	3,400	78	641	119	19,567
Colorado	182	1,007	38	224	83	5,269
Connecticut	38	221	5	42	20	1,547
Delaware	6	(D)	2	(D)	3	(D)
Florida	54	236	19	144	20	1,537
Georgia	106	814	19	95	45	3,831
Hawaii	14	29	1	(D)	-	-
Idaho	60	695	18	45	28	5,226
Illinois	48	230	3	12	23	1,022
Indiana	66	367	19	145	34	2,208
Iowa	78	780	19	81	33	6,375
Kansas	48	271	7	52	18	839
Kentucky	129	810	31	284	41	4,008
Louisiana	33	241	8	73	11	1,656
Maine	81	267	4	23	64	1,783
Maryland	61	346	11	59	25	1,708
Massachusetts	76	411	10	34	44	2,624
Michigan	164	1,058	34	256	84	9,484
Minnesota	103	906	23	271	59	6,934
Mississippi	34	232	4	14	10	965
Missouri	102	1,334	22	355	49	14,695
Montana	87	784	14	174	37	6,786
Nebraska	45	557	13	194	22	7,432
Nevada	14	172	7	61	7	915
New Hampshire	34	203	5	58	16	896
New Jersey	78	431	22	136	29	2,053
New Mexico	741	14,460	186	1,991	650	73,920
New York	152	886	26	146	77	7,141
North Carolina	174	1,418	32	516	109	10,928
North Dakota	12	264	3	(D)	5	1,618
Ohio	160	1,361	45	470	117	16,851
Oklahoma	93	744	18	165	25	4,204
Oregon	245	1,750	43	362	106	9,789
Pennsylvania	227	1,298	58	378	104	9,515
Rhode Island	3	3	-	-	-	-
South Carolina	79	495	18	45	39	2,353
South Dakota	20	71	7	30	8	210
Tennessee	49	250	4	12	15	1,144
Texas	783	132,697	336	38,292	413	960,454
Utah	128	1,647	16	252	84	9,100
Vermont	37	300	12	97	27	1,958
Virginia	158	1,533	38	382	88	12,598
Washington	200	1,197	45	294	105	8,313
West Virginia	86	404	5	39	32	1,496
Wisconsin	179	790	25	123	69	4,107
Wyoming	39	127	11	18	11	447

[1] Data are for farms with production, not necessarily sold.

Table 20. **Meat Goats and Other Goats - Inventory and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
UNITED STATES TOTAL				
United States 2007	123,278	2,601,669	54,280	1,234,784
2002	74,980	1,938,924	36,403	1,109,619
STATES, 2007				
Alabama	3,810	76,142	2,021	32,671
Alaska	31	266	11	122
Arizona	1,713	13,476	249	3,870
Arkansas	2,557	45,204	1,061	17,255
California	4,016	88,225	1,531	34,374
Colorado	2,183	40,258	862	19,030
Connecticut	327	2,856	105	1,110
Delaware	187	2,876	77	1,303
Florida	3,588	50,828	1,457	19,678
Georgia	3,959	78,649	1,782	30,720
Hawaii	280	8,306	124	2,540
Idaho	1,066	13,951	360	6,293
Illinois	2,030	28,133	898	17,097
Indiana	2,711	36,422	1,182	16,032
Iowa	1,793	32,901	977	27,372
Kansas	1,716	44,728	862	29,723
Kentucky	4,808	91,227	2,421	53,212
Louisiana	1,528	20,018	573	6,263
Maine	431	3,111	116	1,100
Maryland	976	13,509	384	6,172
Massachusetts	579	5,348	126	2,507
Michigan	2,449	16,900	705	8,766
Minnesota	1,551	24,390	625	12,502
Mississippi	1,662	27,513	766	11,550
Missouri	3,859	86,249	1,834	43,842
Montana	512	9,745	112	3,723
Nebraska	932	31,697	457	16,247
Nevada	275	7,935	112	8,162
New Hampshire	283	1,759	70	939
New Jersey	866	8,396	383	4,038
New Mexico	1,472	18,747	435	7,445
New York	1,993	27,066	705	13,376
North Carolina	5,037	87,559	2,517	41,152
North Dakota	211	3,240	77	1,892
Ohio	4,094	58,072	1,810	24,389
Oklahoma	5,205	117,324	2,617	64,348
Oregon	2,453	28,061	879	16,076
Pennsylvania	3,864	43,619	1,422	21,241
Rhode Island	62	357	16	148
South Carolina	2,727	40,571	1,114	13,751
South Dakota	452	8,597	183	6,180
Tennessee	6,549	124,967	2,895	59,677
Texas	24,751	987,173	13,275	463,821
Utah	842	14,193	273	7,999
Vermont	247	1,813	71	1,166
Virginia	3,452	56,214	1,345	22,348
Washington	2,478	23,475	874	11,124
West Virginia	1,873	24,459	770	9,243
Wisconsin	2,354	18,784	599	8,380
Wyoming	484	6,360	160	2,815

Table 21. **Colonies of Bees and Honey Collected - Inventory, Number Sold, and Honey Collected: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Colonies of bees				Honey collected (see text) [1]	
	Inventory		Sold			
	Farms	Number	Farms	Number	Farms	Pounds
UNITED STATES TOTAL						
United States 2007	27,908	2,902,732	1,046	74,820	16,905	152,057,812
2002	17,357	2,350,005	937	82,291	12,029	134,551,490
STATES, 2007						
Alabama	587	13,464	29	1,065	337	686,272
Alaska	20	337	3	(D)	23	12,968
Arizona	106	42,239	3	(D)	73	1,802,329
Arkansas	611	31,865	17	311	314	2,381,301
California	1,155	655,817	36	3,758	573	15,059,214
Colorado	388	33,201	11	599	257	1,538,894
Connecticut	215	4,427	6	595	143	143,092
Delaware	48	546	-	-	35	5,414
Florida	735	158,905	37	5,632	571	10,657,946
Georgia	652	93,661	20	528	375	3,431,963
Hawaii	271	16,665	25	911	160	919,104
Idaho	179	119,379	6	1,495	126	3,750,561
Illinois	497	9,390	21	152	304	480,202
Indiana	521	11,305	13	665	327	420,252
Iowa	482	29,110	21	678	362	2,111,391
Kansas	306	11,977	9	149	181	409,242
Kentucky	1,325	10,796	26	276	719	280,430
Louisiana	269	37,422	7	1,776	159	2,736,818
Maine	311	5,780	8	26	164	279,174
Maryland	319	6,444	19	267	237	110,721
Massachusetts	367	8,255	15	244	246	436,623
Michigan	870	74,362	37	2,287	575	4,938,440
Minnesota	489	113,448	31	11,248	404	9,357,636
Mississippi	360	22,032	4	68	200	1,826,253
Missouri	884	21,372	44	1,666	489	776,184
Montana	170	110,389	5	(D)	138	9,313,462
Nebraska	193	36,666	12	303	148	2,118,433
Nevada	30	991	2	(D)	20	157,245
New Hampshire	184	1,901	3	(D)	112	52,899
New Jersey	266	10,926	4	131	190	474,013
New Mexico	149	11,511	9	(D)	81	510,403
New York	805	46,401	34	3,599	540	3,126,202
North Carolina	1,967	31,768	99	1,391	1,083	565,741
North Dakota	173	390,421	5	2,534	161	30,825,479
Ohio	1,782	22,030	52	1,575	1,120	1,026,496
Oklahoma	544	6,457	8	175	238	238,769
Oregon	727	52,688	27	4,457	360	2,264,599
Pennsylvania	1,346	35,979	53	1,438	901	1,360,580
Rhode Island	45	419	3	(D)	31	17,110
South Carolina	457	7,009	17	256	239	234,332
South Dakota	134	230,075	13	5,598	117	13,383,794
Tennessee	1,458	12,614	50	437	840	543,757
Texas	1,284	128,064	62	5,359	592	8,554,971
Utah	239	28,778	6	122	158	1,336,461
Vermont	276	7,632	4	560	185	361,715
Virginia	1,020	10,822	53	391	587	300,763
Washington	872	83,170	32	4,505	486	2,621,311
West Virginia	910	10,701	27	693	536	321,184
Wisconsin	828	47,488	18	2,928	611	4,167,522
Wyoming	82	45,633	-	-	77	3,628,147

[1] Data are for farms with production, not necessarily sold.

Table 22. **Mink and Their Pelts - Inventory and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area		Inventory		Sold	
		Farms	Number	Farms	Number
UNITED STATES TOTAL					
United States	2007	290	1,507,719	282	2,811,470
	2002	310	1,113,941	320	2,506,819
STATES, 2007					
Alaska		1	(D)	-	-
Colorado		1	(D)	-	-
Hawaii		1	(D)	-	-
Idaho		25	159,159	26	236,826
Illinois		7	29,375	7	59,524
Indiana		1	(D)	1	(D)
Iowa		17	54,977	17	156,748
Maryland		1	(D)	-	-
Massachusetts		1	(D)	1	(D)
Michigan		12	42,193	10	36,340
Minnesota		26	82,582	22	249,144
Missouri		2	(D)	2	(D)
Montana		7	12,448	7	24,550
New Hampshire		1	(D)	1	(D)
New York		5	1,099	3	(D)
North Carolina		2	(D)	2	(D)
Ohio		8	22,747	9	68,669
Oregon		19	167,235	19	269,219
Pennsylvania		14	38,130	11	66,648
South Dakota		3	(D)	3	(D)
Utah		55	299,772	60	546,740
Washington		8	47,163	8	77,249
Wisconsin		73	524,043	73	925,816

Table 23. **Aquaculture Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms with aquaculture sold	Value ($1,000)	Farms reporting by -			
			Pounds sold		Number sold	
			Farms	1,000 Pounds	Farms	Thousands
CATFISH						
United States Total						
United States 2007	1,725	455,378	1,467	565,913	504	348,516
2002	2,229	(NA)	1,736	608,925	660	34,833
States, 2007						
Alabama	268	95,675	249	132,704	63	13,011
Arizona	1	(D)	1	(D)	-	-
Arkansas	166	78,133	156	95,071	24	44,497
California	58	12,529	52	4,956	15	206
Colorado	3	(D)	1	(D)	3	(D)
Delaware	1	(D)	1	(D)	-	-
Florida	54	979	40	1,117	16	649
Georgia	86	1,313	71	1,382	32	5,527
Hawaii	16	116	9	18	7	43
Idaho	4	(D)	4	(D)	-	-
Illinois	12	115	11	112	1	(D)
Indiana	8	145	1	(D)	7	263
Iowa	11	270	6	111	8	(D)
Kansas	20	458	12	332	11	850
Kentucky	41	579	41	715	7	(D)
Louisiana	36	12,662	29	14,939	7	(D)
Maryland	1	(D)	1	(D)	-	-
Michigan	9	113	7	66	2	(D)
Mississippi	451	229,400	423	286,798	120	269,338
Missouri	41	2,028	29	2,173	12	(D)
Montana	2	(D)	2	(D)	-	-
Nebraska	10	96	3	(D)	7	228
New Hampshire	2	(D)	2	(D)	-	-
New Jersey	7	3	3	(D)	4	(D)
New Mexico	1	(D)	-	-	1	(D)
New York	5	9	2	(D)	3	8
North Carolina	63	7,091	53	8,623	10	(D)
Ohio	19	189	15	166	8	(D)
Oklahoma	36	442	25	1,184	18	1,669
Oregon	2	(D)	-	-	2	(D)
Pennsylvania	14	51	7	(D)	10	16
South Carolina	36	226	30	73	9	390
Tennessee	49	235	39	245	17	26
Texas	159	12,123	122	14,731	63	3,609
Virginia	18	17	13	4	9	7
Washington	1	(D)	1	(D)	-	-
West Virginia	8	(D)	5	(D)	3	(D)
Wisconsin	6	1	1	(D)	5	1
TROUT						
United States Total						
United States 2007	1,124	210,568	687	74,202	650	145,882
2002	1,156	(NA)	541	40,384	652	120,465
States, 2007						
Alabama	2	(D)	2	(D)	-	-
Alaska	2	(D)	-	-	2	(D)
Arizona	9	1,349	3	337	6	218
Arkansas	5	3,367	4	1,480	3	(D)
California	43	17,913	33	5,656	20	6,825
Colorado	36	7,471	25	1,867	32	18,918
Connecticut	9	3,440	3	(D)	8	1,002
Florida	3	(D)	3	1	-	-
Georgia	15	1,629	10	893	6	(D)
Idaho	52	53,782	45	37,747	8	(D)
Illinois	3	(D)	3	(D)	-	-
Indiana	4	(D)	1	(D)	4	(D)
Iowa	4	633	4	240	3	1,156
Kansas	3	(D)	3	(D)	-	-
Kentucky	3	(D)	3	(D)	2	(D)
Maine	19	2,718	12	216	12	1,567
Maryland	6	93	5	(D)	2	(D)
Massachusetts	18	3,455	9	(D)	11	1,379
Michigan	38	2,122	13	215	26	(D)
Minnesota	11	692	10	264	1	(D)
Mississippi	7	1	5	(Z)	4	2
Missouri	12	3,910	8	777	4	2,103
Montana	20	1,015	8	299	12	2,397
Nebraska	16	2,231	13	800	3	(D)
Nevada	5	1,250	5	355	5	2,606
New Hampshire	12	2,617	9	519	9	1,111
New Jersey	4	(D)	2	(D)	2	(D)
New Mexico	12	1,349	10	525	6	(D)
New York	47	6,144	29	949	28	1,186
North Carolina	71	7,726	61	3,920	10	3,819
North Dakota	3	(D)	3	(D)	-	-
Ohio	12	1,723	6	199	8	1,034
Oklahoma	1	(D)	-	-	1	(D)
Oregon	57	5,758	37	1,990	20	549
Pennsylvania	229	28,408	24	1,125	212	41,949
Rhode Island	2	(D)	-	-	2	(D)
South Carolina	5	(D)	5	(D)	1	(D)
South Dakota	4	380	1	(D)	3	238

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Table 23. **Aquaculture Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms with aquaculture sold	Value ($1,000)	Farms reporting by -			
			Pounds sold		Number sold	
			Farms	1,000 Pounds	Farms	Thousands
TROUT - Con.						
States, 2007 - Con.						
Tennessee	16	3,222	14	676	9	4,098
Texas	3	(D)	2	(D)	3	(D)
Utah	25	4,036	23	1,258	19	8,846
Vermont	19	(D)	10	230	13	(D)
Virginia	35	3,358	29	1,507	11	587
Washington	113	21,848	103	6,477	23	5,767
West Virginia	23	2,402	13	432	14	890
Wisconsin	67	4,580	67	1,157	67	8,024
Wyoming	19	6,297	9	332	15	4,863
OTHER FOOD FISH (SEE TEXT)						
United States Total						
United States 2007	643	187,711	442	93,264	268	507,113
2002	572	(NA)	325	64,232	252	79,888
States, 2007						
Alabama	24	244	18	109	10	(D)
Alaska	26	27,785	8	27,327	18	275,006
Arizona	3	(D)	2	(D)	1	(D)
Arkansas	16	2,844	15	1,122	2	(D)
California	32	20,200	21	5,383	15	11,419
Colorado	6	(D)	5	(D)	4	(D)
Connecticut	1	(D)	1	(D)	-	-
Delaware	2	(D)	-	-	2	(D)
Florida	37	3,412	29	1,035	12	21,377
Georgia	7	369	5	65	3	(D)
Hawaii	26	4,513	24	675	5	(D)
Idaho	15	1,895	13	860	3	(D)
Illinois	23	284	17	102	6	2
Indiana	5	573	3	(D)	2	(D)
Iowa	4	22	4	10	1	(D)
Kansas	4	57	4	51	1	(D)
Kentucky	11	32	9	8	4	(D)
Louisiana	7	829	5	(D)	2	(D)
Maine	11	19,771	10	(D)	4	(D)
Maryland	4	(D)	3	(D)	1	(D)
Massachusetts	7	3,802	1	(D)	6	6,822
Michigan	11	1,789	7	3,235	4	97
Minnesota	6	127	3	(D)	3	6
Mississippi	13	648	13	519	1	(D)
Missouri	7	(D)	7	(D)	-	-
Montana	6	(D)	6	(D)	-	-
Nebraska	5	50	-	-	5	602
Nevada	1	(D)	1	(D)	1	(D)
New Hampshire	5	(D)	4	17	2	(D)
New Jersey	2	(D)	2	(D)	-	-
New Mexico	3	(D)	3	(D)	1	(D)
New York	14	(D)	11	(D)	5	(D)
North Carolina	48	15,354	39	6,302	9	2,867
Ohio	32	753	24	218	11	(D)
Oregon	24	2,087	22	1,542	2	(D)
Pennsylvania	14	2,904	9	957	7	5
South Carolina	12	214	6	93	6	45
Tennessee	9	(D)	9	65	4	(D)
Texas	20	14,692	19	6,916	5	(D)
Vermont	2	(D)	1	(D)	1	(D)
Virginia	15	(D)	7	(D)	10	1,811
Washington	70	43,047	20	21,524	53	112,123
West Virginia	5	(D)	4	(D)	3	1
Wisconsin	48	884	28	139	33	3,110
BAITFISH						
United States Total						
United States 2007	358	40,343	296	10,479	91	78,297
2002	305	(NA)	212	8,438	93	109,241
States, 2007						
Alabama	1	(D)	1	(D)	-	-
Arkansas	51	21,545	49	5,167	7	(D)
California	10	1,096	7	87	8	30,417
Colorado	3	181	1	(D)	2	(D)
Delaware	1	(D)	1	(D)	-	-
Florida	5	71	2	(D)	3	36
Georgia	5	(D)	4	3	4	156
Illinois	3	(D)	3	(D)	-	-
Indiana	4	7	4	4	-	-
Iowa	5	55	4	23	1	(D)
Kansas	4	(D)	4	22	-	-
Kentucky	2	(D)	2	(D)	-	-
Louisiana	9	386	7	100	2	(D)
Maine	9	211	2	(D)	7	3,146
Maryland	2	(D)	2	(D)	-	-
Massachusetts	3	1	2	(D)	1	(D)
Michigan	9	1,046	6	210	3	11
Minnesota	44	3,807	40	1,525	6	28

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Table 23. **Aquaculture Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms with aquaculture sold	Value ($1,000)	Farms reporting by -			
			Pounds sold		Number sold	
			Farms	1,000 Pounds	Farms	Thousands
BAITFISH - Con.						
States, 2007 - Con.						
Mississippi	7	502	5	150	2	(D)
Missouri	11	596	10	127	1	(D)
Nebraska	7	16	7	4	-	-
New Hampshire	4	1	2	(D)	2	(D)
New Jersey	6	(D)	6	(D)	-	-
New York	18	169	17	43	6	63
North Carolina	14	361	12	23	2	(D)
North Dakota	1	(D)	1	(D)	-	-
Ohio	24	924	22	243	4	177
Oklahoma	12	64	10	21	2	(D)
Oregon	2	(D)	2	(D)	-	-
Pennsylvania	22	687	13	51	10	(D)
South Carolina	1	(D)	-	-	1	(D)
South Dakota	3	(D)	3	(D)	-	-
Tennessee	5	(D)	4	(D)	2	(D)
Texas	25	398	19	81	10	1,465
Virginia	3	(D)	2	(D)	1	(D)
West Virginia	2	(D)	2	(D)	-	-
Wisconsin	20	4,658	18	1,534	3	(D)
Wyoming	1	(D)	-	-	1	(D)
CRUSTACEANS						
United States Total						
United States 2007	788	50,855	691	31,122	117	52,881
2002	565	(NA)	473	15,352	92	72,756
States, 2007						
Alabama	6	592	6	208	-	-
Arizona	1	(D)	1	(D)	1	(D)
Arkansas	14	308	12	140	2	(D)
California	4	(D)	4	(D)	-	-
Delaware	1	(D)	-	-	1	(D)
Florida	17	2,520	7	1,106	10	959
Georgia	4	44	4	2	1	(D)
Hawaii	10	4,057	5	78	6	(D)
Illinois	6	7	6	2	-	-
Indiana	6	(D)	3	(D)	3	(D)
Iowa	2	(D)	2	(D)	-	-
Kansas	4	13	4	5	-	-
Kentucky	21	96	19	8	2	(D)
Louisiana	497	16,714	487	22,186	11	538
Maryland	21	788	2	(D)	19	361
Massachusetts	4	9	2	(D)	2	(D)
Minnesota	1	(D)	1	(D)	-	-
Mississippi	7	87	7	24	-	-
Missouri	4	5	4	1	-	-
Montana	2	(D)	2	(D)	-	-
Nebraska	2	(D)	2	(D)	-	-
New Hampshire	4	(D)	2	(D)	2	(D)
New Jersey	2	(D)	-	-	2	(D)
New York	10	(D)	1	(D)	9	(D)
North Carolina	20	312	15	47	5	(D)
Ohio	8	128	7	4	3	(D)
Oklahoma	2	(D)	2	(D)	-	-
Pennsylvania	4	(D)	1	(D)	3	15
South Carolina	22	571	21	683	7	26
Tennessee	9	25	9	5	-	-
Texas	41	12,501	38	5,247	6	37,166
Vermont	2	(D)	2	(D)	2	(D)
Virginia	28	669	11	87	19	376
Washington	1	(D)	1	(D)	1	(D)
Wisconsin	1	(D)	1	(D)	-	-
MOLLUSKS						
United States Total						
United States 2007	1,097	243,007	390	208,991	750	2,581,347
2002	828	(NA)	227	58,251	634	602,442
States, 2007						
Alaska	25	745	5	30	24	7,031
Arkansas	1	(D)	1	(D)	1	(D)
California	23	11,724	10	1,086	19	(D)
Connecticut	35	11,570	16	10,149	20	20,406
Florida	130	15,251	27	3,794	111	145,379
Georgia	6	450	1	(D)	5	1,142
Hawaii	4	(D)	2	(D)	3	(D)
Indiana	1	(D)	-	-	1	(D)
Kansas	1	(D)	-	-	1	(D)
Louisiana	85	37,348	58	130,018	28	7,014
Maine	56	3,286	19	3,070	37	64,888
Maryland	13	615	2	(D)	11	(D)
Massachusetts	234	11,176	36	(D)	206	172,411
New Hampshire	1	(D)	-	-	1	(D)
New Jersey	73	4,504	20	4,356	53	19,256
New York	24	7,408	2	(D)	22	45,790

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Table 23. **Aquaculture Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms with aquaculture sold	Value ($1,000)	Farms reporting by -			
			Pounds sold		Number sold	
			Farms	1,000 Pounds	Farms	Thousands
MOLLUSKS - Con.						
States, 2007 - Con.						
North Carolina	85	1,009	32	975	54	3,180
Ohio	1	(D)	-	-	1	(D)
Oregon	19	8,368	11	2,805	8	(D)
Pennsylvania	5	(D)	-	-	5	(D)
Rhode Island	24	(D)	2	(D)	22	(D)
South Carolina	17	2,692	4	326	13	(D)
Tennessee	1	(D)	-	-	1	(D)
Virginia	72	36,948	21	17,487	53	377,844
Washington	160	85,201	121	33,376	49	27,574
Wisconsin	1	(D)	-	-	1	(D)
ORNAMENTAL FISH						
United States Total						
United States 2007	684	61,049	117	2,747	595	177,749
2002	635	(NA)	67	626	571	211,344
States, 2007						
Alabama	9	299	2	(D)	7	30
Arizona	2	(D)	-	-	2	(D)
Arkansas	15	2,584	7	54	8	(D)
California	55	13,415	13	209	46	24,074
Colorado	6	(D)	-	-	6	(D)
Connecticut	2	(D)	-	-	2	(D)
Florida	203	32,192	19	2,415	190	51,882
Georgia	20	92	2	(D)	18	21
Hawaii	18	2,418	-	-	18	128
Idaho	3	(D)	1	(D)	2	(D)
Illinois	7	(D)	1	(D)	6	(D)
Indiana	7	(D)	1	(D)	6	(D)
Iowa	1	(D)	-	-	1	(D)
Kansas	1	(D)	-	-	1	(D)
Kentucky	8	(D)	-	-	8	(D)
Louisiana	3	(D)	-	-	3	(D)
Maryland	2	(D)	-	-	2	(D)
Massachusetts	11	(D)	4	(Z)	7	(D)
Michigan	20	249	-	-	20	26
Minnesota	11	106	-	-	11	6
Mississippi	5	73	4	2	4	(D)
Missouri	10	(D)	5	(D)	5	(D)
Montana	3	8	-	-	3	(Z)
Nebraska	9	14	2	(D)	7	3
New Hampshire	1	(D)	-	-	1	(D)
New Jersey	22	1,152	2	(D)	20	141
New Mexico	2	(D)	-	-	2	(D)
New York	27	2,013	4	3	23	476
North Carolina	16	177	10	6	6	73
Ohio	28	166	7	5	25	30
Oklahoma	18	742	8	(Z)	12	483
Oregon	11	20	3	(D)	8	1
Pennsylvania	31	990	7	2	27	(D)
Rhode Island	2	(D)	-	-	2	(D)
South Carolina	2	(D)	1	(D)	2	(D)
Tennessee	16	32	1	(D)	15	16
Texas	27	892	3	(D)	24	305
Utah	1	(D)	-	-	1	(D)
Virginia	9	(D)	3	(D)	8	(D)
Washington	18	116	2	(D)	16	16
West Virginia	6	(D)	1	(D)	5	(D)
Wisconsin	16	26	4	(D)	15	6
SPORT OR GAME FISH						
United States Total						
United States 2007	815	80,568	443	8,210	482	471,702
2002	680	(NA)	222	4,939	493	209,643
States, 2007						
Alabama	38	2,677	24	155	18	8,198
Arizona	5	5	-	-	5	15
Arkansas	22	8,933	17	429	12	32,958
California	27	3,871	21	659	14	830
Colorado	8	(D)	5	2	5	(D)
Delaware	1	(D)	-	-	1	(D)
Florida	31	622	14	142	19	1,046
Georgia	30	984	14	15	24	9,906
Idaho	4	(D)	3	(D)	1	(D)
Illinois	17	2,235	13	259	4	(D)
Indiana	13	581	-	-	13	3,092
Iowa	16	1,381	9	301	12	(D)
Kansas	6	1,476	2	(D)	6	38,786
Kentucky	9	1,145	6	(D)	5	(D)
Louisiana	14	868	5	43	10	(D)
Maryland	2	(D)	1	(D)	1	(D)
Massachusetts	3	(D)	2	(D)	1	(D)
Michigan	21	349	7	(D)	15	(D)
Minnesota	48	5,282	31	209	18	5,022

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Table 23. **Aquaculture Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms with aquaculture sold	Value ($1,000)	Farms reporting by -			
			Pounds sold		Number sold	
			Farms	1,000 Pounds	Farms	Thousands
SPORT OR GAME FISH - Con.						
States, 2007 - Con.						
Mississippi	27	(D)	16	(D)	16	2,128
Missouri	13	457	4	(D)	9	1,065
Montana	3	(D)	1	(D)	2	(D)
Nebraska	15	1,413	1	(D)	14	28,162
New Hampshire	4	6	2	(D)	2	(D)
New Jersey	4	(D)	-	-	4	(D)
New Mexico	2	(D)	1	(D)	1	(D)
New York	28	687	10	(D)	24	5,950
North Carolina	22	74	14	24	8	12
North Dakota	3	(D)	3	(D)	-	-
Ohio	75	2,455	45	63	41	14,728
Oklahoma	24	1,616	12	(D)	17	22,203
Oregon	4	35	1	(D)	3	12
Pennsylvania	27	11,366	7	3	23	59,835
South Carolina	25	747	12	34	17	2,070
South Dakota	6	1,334	2	(D)	6	(D)
Tennessee	13	880	10	50	8	4,398
Texas	44	4,182	23	108	27	13,275
Utah	2	(D)	1	(D)	2	(D)
Vermont	2	(D)	1	(D)	1	(D)
Virginia	13	(D)	3	(Z)	11	(D)
Washington	74	8,910	69	2,648	7	3,297
West Virginia	7	(D)	2	(D)	6	(D)
Wisconsin	62	3,074	28	60	48	40,700
Wyoming	1	(D)	1	(D)	1	(D)
OTHER AQUACULTURE PRODUCTS (SEE TEXT)						
United States Total						
United States 2007	341	85,793	91	7,229	270	149,572
2002	705	(NA)	169	27,475	556	2,164,382
States, 2007						
Alabama	7	13	6	4	3	3
Arizona	1	(D)	-	-	1	(D)
Arkansas	8	1,030	3	43	6	1,058
California	20	13,835	8	377	12	3,999
Colorado	1	(D)	-	-	1	(D)
Connecticut	3	(D)	1	(D)	2	(D)
Delaware	1	(D)	1	(D)	-	-
Florida	43	6,292	16	(D)	28	2,061
Georgia	13	(D)	3	4	11	172
Idaho	3	96	-	-	3	10
Illinois	1	(D)	-	-	1	(D)
Iowa	10	1,145	5	13	8	179
Kansas	1	(D)	-	-	1	(D)
Kentucky	4	(D)	1	(D)	3	(D)
Louisiana	98	40,316	12	2,263	90	9,968
Maine	4	314	-	-	4	18,401
Maryland	3	394	-	-	3	(D)
Massachusetts	4	(D)	-	-	4	(D)
Michigan	3	(D)	1	(D)	2	(D)
Minnesota	5	(D)	3	(D)	3	(D)
Mississippi	11	900	5	15	11	742
Missouri	5	141	-	-	5	133
Montana	11	1,580	-	-	11	(D)
Nebraska	1	(D)	-	-	1	(D)
New Hampshire	4	621	2	(D)	2	(D)
New Jersey	1	(D)	-	-	1	(D)
New York	7	28	2	(D)	5	68
North Carolina	7	71	3	9	4	(D)
North Dakota	3	(D)	3	(D)	-	-
Ohio	7	243	3	(D)	4	(D)
Oklahoma	3	(D)	1	(D)	2	(D)
Oregon	1	(D)	-	-	1	(D)
Pennsylvania	4	(D)	-	-	4	(D)
South Carolina	4	(D)	1	(D)	3	(D)
Tennessee	6	(D)	1	(D)	5	(D)
Texas	16	(D)	5	3	12	(D)
Virginia	8	366	3	5	5	(D)
Washington	5	2,643	2	(D)	4	15,852
West Virginia	1	-	-	-	1	(D)
Wisconsin	3	(D)	-	-	3	(D)

Table 24. **Miscellaneous Livestock and Animal Specialties - Inventory and Number Sold: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
ALPACAS (SEE TEXT)				
United States Total				
United States 2007	8,708	121,904	2,461	13,164
2002	(NA)	(NA)	(NA)	(NA)
States, 2007				
Alabama	59	602	17	96
Alaska	20	196	8	21
Arizona	92	1,420	28	106
Arkansas	30	190	4	10
California	466	7,801	126	638
Colorado	485	7,980	162	921
Connecticut	112	1,052	19	60
Delaware	11	108	4	11
Florida	126	1,596	37	202
Georgia	114	1,332	22	159
Hawaii	5	57	4	33
Idaho	128	2,213	32	181
Illinois	214	2,349	50	166
Indiana	204	2,602	50	165
Iowa	71	869	21	136
Kansas	122	1,460	27	168
Kentucky	194	1,878	35	259
Louisiana	16	142	8	15
Maine	138	1,824	46	143
Maryland	145	2,391	44	275
Massachusetts	167	1,736	36	142
Michigan	318	4,409	119	592
Minnesota	156	1,558	33	179
Mississippi	17	196	3	(D)
Missouri	161	2,120	43	199
Montana	74	711	16	75
Nebraska	41	475	13	80
Nevada	29	473	6	16
New Hampshire	119	1,537	30	155
New Jersey	142	2,231	48	280
New Mexico	88	1,599	30	148
New York	506	7,100	159	953
North Carolina	135	1,663	37	110
North Dakota	12	59	2	(D)
Ohio	659	10,677	274	1,325
Oklahoma	71	727	19	64
Oregon	473	7,906	162	1,066
Pennsylvania	478	5,739	127	560
Rhode Island	24	321	6	10
South Carolina	58	508	8	33
South Dakota	23	113	5	17
Tennessee	170	1,839	35	130
Texas	296	3,064	62	504
Utah	90	1,212	23	109
Vermont	93	1,650	33	248
Virginia	296	4,883	82	423
Washington	788	13,140	203	1,298
West Virginia	99	1,356	17	97
Wisconsin	338	4,344	79	443
Wyoming	35	496	7	128
BISON				
United States Total				
United States 2007	4,499	198,234	1,821	62,890
2002	4,132	231,950	1,734	57,210
States, 2007				
Alabama	55	370	9	57
Alaska	12	1,228	10	108
Arizona	18	305	6	40
Arkansas	65	754	36	214
California	168	2,441	38	433
Colorado	184	15,474	95	5,456
Connecticut	10	112	1	(D)
Delaware	5	94	1	(D)
Florida	67	1,132	20	330
Georgia	63	470	13	81
Hawaii	3	180	1	(D)
Idaho	88	1,905	41	661
Illinois	82	1,265	32	552
Indiana	83	1,916	40	411
Iowa	110	2,889	55	695
Kansas	208	10,051	85	4,118
Kentucky	95	1,697	37	617
Louisiana	34	189	2	(D)
Maine	13	402	8	48
Maryland	25	783	16	325
Massachusetts	14	145	1	(D)
Michigan	150	3,629	51	912
Minnesota	184	6,282	111	2,009
Mississippi	37	166	5	24
Missouri	174	3,756	64	761

See footnote(s) at end of table.

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Table 24. **Miscellaneous Livestock and Animal Specialties - Inventory and Number Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
BISON - Con.				
States, 2007 - Con.				
Montana	133	14,565	71	5,270
Nebraska	136	17,859	60	7,266
Nevada	18	144	5	8
New Hampshire	18	260	7	44
New Jersey	7	176	2	(D)
New Mexico	50	4,804	22	1,668
New York	67	1,854	29	405
North Carolina	43	645	11	94
North Dakota	145	15,881	111	6,042
Ohio	68	1,358	29	494
Oklahoma	205	10,344	48	2,200
Oregon	76	1,193	27	655
Pennsylvania	144	2,707	68	943
South Carolina	28	152	7	15
South Dakota	179	38,701	112	10,862
Tennessee	93	917	14	175
Texas	618	5,890	178	948
Utah	85	1,400	33	519
Vermont	4	170	2	(D)
Virginia	50	1,133	17	267
Washington	100	1,534	54	501
West Virginia	20	208	6	23
Wisconsin	190	6,130	88	1,766
Wyoming	75	12,574	42	4,668
DEER				
United States Total				
United States 2007	5,654	269,537	2,300	44,210
2002	4,901	286,863	1,895	43,526
States, 2007				
Alabama	77	2,004	24	276
Alaska	2	(D)	-	-
Arizona	18	1,000	1	(D)
Arkansas	89	458	8	32
California	27	1,339	15	324
Colorado	21	190	8	83
Connecticut	20	197	2	(D)
Delaware	2	(D)	1	(D)
Florida	170	7,006	35	1,051
Georgia	18	473	1	(D)
Hawaii	2	(D)	1	(D)
Idaho	12	384	10	73
Illinois	164	2,353	58	801
Indiana	143	4,358	72	1,098
Iowa	130	4,559	68	712
Kansas	31	2,091	13	582
Kentucky	26	984	9	70
Louisiana	78	2,775	10	119
Maine	36	3,537	20	462
Maryland	6	142	-	-
Massachusetts	12	(D)	9	42
Michigan	304	20,801	144	2,690
Minnesota	274	8,366	125	1,232
Mississippi	49	3,385	11	789
Missouri	204	6,857	86	1,084
Montana	3	104	-	-
Nebraska	14	531	7	62
Nevada	3	11	-	-
New Hampshire	19	1,012	8	183
New Jersey	25	669	7	112
New Mexico	2	(D)	-	-
New York	180	7,847	59	1,973
North Carolina	29	375	3	31
North Dakota	20	628	3	34
Ohio	303	9,527	131	1,681
Oklahoma	175	5,358	67	901
Oregon	19	587	9	171
Pennsylvania	810	23,451	372	4,270
Rhode Island	2	(D)	1	(D)
South Carolina	34	780	1	(D)
South Dakota	8	102	3	17
Tennessee	82	2,719	13	393
Texas	1,658	126,133	762	20,005
Utah	30	288	5	25
Vermont	14	1,056	3	(D)
Virginia	15	505	2	(D)
Washington	18	714	6	32
West Virginia	26	1,620	13	325
Wisconsin	250	11,596	94	2,232

See footnote(s) at end of table.

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Table 24. **Miscellaneous Livestock and Animal Specialties - Inventory and Number Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
ELK				
United States Total				
United States 2007	1,917	68,251	888	13,049
2002	2,371	97,901	934	16,058
States, 2007				
Alabama	9	183	3	31
Alaska	11	425	9	35
Arkansas	13	93	2	(D)
Colorado	69	5,507	45	2,170
Connecticut	2	(D)	-	-
Florida	14	159	5	13
Georgia	2	(D)	-	-
Hawaii	1	(D)	1	(D)
Idaho	64	4,395	39	1,038
Illinois	45	1,170	25	193
Indiana	47	869	28	441
Iowa	71	2,460	35	471
Kansas	56	1,401	23	293
Kentucky	12	245	4	18
Louisiana	6	(D)	1	(D)
Maine	7	500	3	(D)
Massachusetts	4	12	-	-
Michigan	104	2,955	59	874
Minnesota	199	8,112	123	1,353
Mississippi	9	127	1	(D)
Missouri	69	2,082	34	397
Montana	39	1,830	19	310
Nebraska	20	848	10	233
New Hampshire	9	(D)	5	43
New Jersey	4	(D)	1	(D)
New Mexico	10	1,764	5	115
New York	42	1,351	26	155
North Carolina	13	129	2	(D)
North Dakota	82	5,182	40	545
Ohio	34	757	17	139
Oklahoma	50	1,719	18	213
Oregon	14	1,252	11	149
Pennsylvania	118	3,007	42	480
South Dakota	30	2,427	20	394
Tennessee	24	586	7	153
Texas	354	6,369	112	1,061
Utah	30	1,730	20	931
Vermont	3	(D)	2	(D)
Virginia	12	94	-	-
Washington	8	471	2	(D)
West Virginia	5	89	-	-
Wisconsin	202	6,825	89	602
LLAMAS				
United States Total				
United States 2007	26,060	122,680	3,411	12,704
2002	16,887	144,782	3,756	18,653
States, 2007				
Alabama	229	1,003	42	108
Alaska	16	78	1	(D)
Arizona	196	834	23	61
Arkansas	284	835	35	157
California	1,386	6,868	154	557
Colorado	1,102	7,499	154	761
Connecticut	138	615	22	117
Delaware	14	83	-	-
Florida	285	959	27	84
Georgia	310	1,514	55	189
Hawaii	5	26	1	(D)
Idaho	591	2,903	55	181
Illinois	514	2,168	64	223
Indiana	532	2,803	55	249
Iowa	516	2,394	95	316
Kansas	594	2,381	72	222
Kentucky	632	2,436	66	211
Louisiana	75	203	4	(D)
Maine	200	651	19	35
Maryland	154	818	16	46
Massachusetts	302	1,332	36	93
Michigan	698	3,698	108	433
Minnesota	589	2,500	71	181
Mississippi	119	497	10	25
Missouri	928	3,211	132	536
Montana	639	3,460	40	140
Nebraska	317	1,842	49	320
Nevada	88	857	14	181
New Hampshire	170	605	27	77
New Jersey	154	747	27	109
New Mexico	284	1,534	49	274
New York	465	2,393	56	177

See footnote(s) at end of table.

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Table 24. **Miscellaneous Livestock and Animal Specialties - Inventory and Number Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
LLAMAS - Con.				
States, 2007 - Con.				
North Carolina	460	1,803	34	114
North Dakota	117	362	15	57
Ohio	891	4,664	144	509
Oklahoma	958	4,506	138	546
Oregon	1,743	9,380	228	887
Pennsylvania	622	3,063	78	238
Rhode Island	34	123	4	11
South Carolina	185	527	27	37
South Dakota	217	792	31	127
Tennessee	636	2,427	87	289
Texas	3,194	12,278	486	1,909
Utah	358	1,420	64	181
Vermont	171	720	24	103
Virginia	665	3,819	92	386
Washington	1,616	8,140	184	451
West Virginia	182	968	23	104
Wisconsin	1,200	6,539	148	584
Wyoming	285	1,402	25	91
MULES, BURROS, AND DONKEYS				
United States Total				
United States 2007	99,746	283,806	11,548	32,467
2002	29,936	105,358	4,941	17,385
States, 2007				
Alabama	3,336	10,841	492	1,785
Alaska	20	60	3	(D)
Arizona	765	2,025	90	196
Arkansas	2,781	7,663	310	846
California	2,528	7,151	239	764
Colorado	1,852	4,955	224	627
Connecticut	207	428	16	26
Delaware	42	106	1	(D)
Florida	2,258	6,244	334	758
Georgia	3,233	8,952	347	803
Hawaii	101	260	6	9
Idaho	1,316	3,771	120	286
Illinois	1,691	4,397	149	398
Indiana	1,474	4,391	177	476
Iowa	1,266	4,203	202	531
Kansas	1,710	4,458	157	373
Kentucky	4,244	11,813	546	1,998
Louisiana	1,513	4,772	235	646
Maine	199	407	16	35
Maryland	450	1,121	62	134
Massachusetts	389	992	35	92
Michigan	1,636	4,434	171	368
Minnesota	1,440	3,701	188	436
Mississippi	2,372	7,015	309	754
Missouri	4,126	11,985	531	1,572
Montana	1,422	4,392	133	377
Nebraska	919	2,762	105	456
Nevada	176	409	18	36
New Hampshire	247	703	24	84
New Jersey	407	1,188	52	150
New Mexico	780	1,889	70	186
New York	1,203	2,826	119	262
North Carolina	3,051	8,546	380	1,024
North Dakota	387	810	26	44
Ohio	2,412	6,614	282	833
Oklahoma	4,803	13,332	498	1,238
Oregon	1,779	4,771	211	424
Pennsylvania	2,603	9,762	245	875
Rhode Island	43	96	3	6
South Carolina	1,620	4,550	200	520
South Dakota	685	1,782	64	214
Tennessee	6,264	18,350	796	2,545
Texas	21,070	60,790	2,410	6,894
Utah	710	1,940	89	177
Vermont	215	948	17	135
Virginia	2,526	6,749	269	772
Washington	1,345	3,793	169	359
West Virginia	1,122	2,695	155	353
Wisconsin	2,306	5,719	179	443
Wyoming	702	2,245	74	140
RABBITS AND THEIR PELTS				
United States Total				
United States 2007	27,137	616,129	6,811	979,563
2002	10,073	405,241	4,326	886,841
States, 2007				
Alabama	413	8,051	105	27,364
Alaska	18	549	6	194

See footnote(s) at end of table.

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Table 24. **Miscellaneous Livestock and Animal Specialties - Inventory and Number Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
RABBITS AND THEIR PELTS - Con.				
States, 2007 - Con.				
Arizona	229	2,370	63	1,302
Arkansas	484	32,676	136	97,740
California	730	117,957	227	79,200
Colorado	510	6,044	108	4,901
Connecticut	161	2,863	49	3,147
Delaware	56	211	2	(D)
Florida	733	25,003	223	70,329
Georgia	441	15,737	89	17,630
Hawaii	70	740	9	(D)
Idaho	294	2,294	62	2,531
Illinois	728	9,155	183	15,083
Indiana	1,029	20,154	300	53,071
Iowa	657	9,264	186	13,429
Kansas	375	4,516	72	4,046
Kentucky	937	16,795	244	42,480
Louisiana	255	4,116	71	4,796
Maine	246	1,972	49	1,715
Maryland	272	2,181	64	5,872
Massachusetts	336	2,486	47	5,511
Michigan	1,477	40,138	372	45,465
Minnesota	765	8,426	169	10,092
Mississippi	317	7,982	70	18,942
Missouri	883	19,056	221	47,775
Montana	195	1,352	32	519
Nebraska	227	2,202	44	1,785
Nevada	34	236	6	145
New Hampshire	184	1,575	47	1,419
New Jersey	254	3,544	103	3,380
New Mexico	205	2,199	50	1,000
New York	1,100	20,511	293	39,589
North Carolina	678	12,436	174	23,915
North Dakota	124	992	23	420
Ohio	1,392	15,779	438	25,818
Oklahoma	669	8,135	151	7,567
Oregon	695	24,054	167	63,943
Pennsylvania	1,572	47,967	533	92,396
Rhode Island	57	732	13	434
South Carolina	390	4,278	101	6,011
South Dakota	127	1,019	18	543
Tennessee	882	29,142	202	44,430
Texas	2,159	32,594	513	35,689
Utah	235	4,885	63	10,402
Vermont	140	2,689	29	7,371
Virginia	651	6,050	130	7,008
Washington	729	12,683	150	12,719
West Virginia	430	4,129	113	3,358
Wisconsin	1,496	15,396	261	16,609
Wyoming	96	814	30	332
OTHER LIVESTOCK (SEE TEXT) [1]				
United States Total				
United States 2007	12,781	(X)	5,047	(X)
2002	4,364	(X)	2,492	(X)
States, 2007				
Alabama	32	(X)	15	(X)
Alaska	25	(X)	13	(X)
Arizona	8	(X)	12	(X)
Arkansas	144	(X)	56	(X)
California	598	(X)	167	(X)
Colorado	145	(X)	88	(X)
Connecticut	23	(X)	11	(X)
Delaware	8	(X)	2	(X)
Florida	234	(X)	200	(X)
Georgia	439	(X)	153	(X)
Hawaii	85	(X)	36	(X)
Idaho	46	(X)	50	(X)
Illinois	65	(X)	76	(X)
Indiana	380	(X)	122	(X)
Iowa	115	(X)	54	(X)
Kansas	477	(X)	155	(X)
Kentucky	178	(X)	118	(X)
Louisiana	119	(X)	105	(X)
Maine	12	(X)	7	(X)
Maryland	14	(X)	20	(X)
Massachusetts	108	(X)	25	(X)
Michigan	80	(X)	32	(X)
Minnesota	42	(X)	41	(X)
Mississippi	588	(X)	190	(X)
Missouri	80	(X)	107	(X)
Montana	20	(X)	10	(X)
Nebraska	37	(X)	23	(X)
Nevada	8	(X)	4	(X)
New Hampshire	8	(X)	5	(X)
New Jersey	13	(X)	5	(X)
New Mexico	11	(X)	37	(X)

See footnote(s) at end of table.

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Table 24. **Miscellaneous Livestock and Animal Specialties - Inventory and Number Sold: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Inventory		Sold	
	Farms	Number	Farms	Number
OTHER LIVESTOCK (SEE TEXT) [1] - Con.				
States, 2007 - Con.				
New York	616	(X)	195	(X)
North Carolina	505	(X)	179	(X)
North Dakota	1	(X)	4	(X)
Ohio	896	(X)	287	(X)
Oklahoma	14	(X)	6	(X)
Oregon	285	(X)	168	(X)
Pennsylvania	82	(X)	94	(X)
Rhode Island	18	(X)	5	(X)
South Carolina	411	(X)	154	(X)
South Dakota	7	(X)	12	(X)
Tennessee	860	(X)	263	(X)
Texas	3,843	(X)	1,245	(X)
Utah	252	(X)	98	(X)
Vermont	21	(X)	14	(X)
Virginia	714	(X)	220	(X)
Washington	28	(X)	95	(X)
West Virginia	3	(X)	-	(X)
Wisconsin	74	(X)	66	(X)
Wyoming	9	(X)	3	(X)

[1] 2002 data include alpacas.

Table 25. **Selected Crops Harvested: 2007**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Harvested cropland ..... farms	1,328,004	23,336	424	4,993	29,050	53,000
acres	309,607,601	1,994,743	30,772	832,406	7,367,068	7,633,173
Irrigated ..... farms	256,105	1,740	174	3,835	5,327	45,412
acres	51,537,104	106,925	(D)	823,468	4,455,478	7,274,248
Barley for grain ..... farms	19,848	-	22	113	-	161
acres	3,521,957	-	4,322	31,129	-	44,125
bushels	207,089,232	-	167,170	3,396,006	-	2,872,476
Irrigated ..... farms	4,241	-	1	113	-	111
acres	741,475	-	(D)	31,129	-	23,999
Farms by acres harvested:						
1 to 24 acres	5,742	-	5	10	-	22
25 to 99 acres	5,405	-	9	19	-	54
100 to 249 acres	4,469	-	3	45	-	47
250 to 499 acres	2,552	-	2	24	-	13
500 to 999 acres	1,209	-	2	10	-	13
1,000 acres or more	471	-	1	5	-	12
Corn for grain ..... farms	347,760	1,872	-	58	1,395	606
acres	86,248,542	276,661	-	22,654	584,629	189,965
bushels	12,738,519,330	21,008,771	-	4,083,974	99,778,632	34,602,626
Irrigated ..... farms	38,911	190	-	56	1,090	606
acres	13,156,769	24,866	-	21,939	461,094	189,965
Farms by acres harvested:						
1 to 24 acres	68,008	716	-	7	87	54
25 to 99 acres	101,672	531	-	10	235	152
100 to 249 acres	78,166	336	-	16	381	176
250 to 499 acres	50,807	154	-	13	306	114
500 to 999 acres	32,731	87	-	6	247	80
1,000 acres or more	16,376	48	-	6	139	30
Corn for silage or greenchop ..... farms	84,317	126	-	116	30	1,975
acres	5,979,661	11,016	-	33,941	1,887	460,614
tons	104,224,795	86,493	-	891,902	26,326	12,019,578
Irrigated ..... farms	9,664	13	-	116	8	1,975
acres	1,497,288	1,693	-	33,941	540	460,514
Farms by acres harvested:						
1 to 24 acres	34,207	39	-	15	7	227
25 to 99 acres	34,878	53	-	21	13	579
100 to 249 acres	10,855	26	-	41	10	576
250 to 499 acres	2,859	3	-	20	-	355
500 to 999 acres	1,132	5	-	12	-	180
1,000 acres or more	386	-	-	7	-	58
Cotton, all ..... farms	18,605	917	-	301	915	855
acres	10,493,238	382,566	-	171,300	854,410	471,378
bales	18,898,128	407,598	-	513,758	1,902,073	1,418,751
Irrigated ..... farms	8,776	108	-	301	805	855
acres	4,035,610	22,484	-	171,300	687,334	471,378
Farms by acres harvested:						
1 to 24 acres	961	69	-	9	16	29
25 to 99 acres	3,043	178	-	39	89	147
100 to 249 acres	3,886	222	-	67	95	232
250 to 499 acres	3,738	193	-	70	150	197
500 to 999 acres	3,758	159	-	65	227	170
1,000 acres or more	3,219	96	-	51	338	80
Dry edible beans, excluding limas ..... farms	6,236	-	-	46	-	239
acres	1,455,549	-	-	5,849	-	34,002
cwt	25,353,900	-	-	102,603	-	709,841
Irrigated ..... farms	2,456	-	-	27	-	237
acres	353,503	-	-	5,818	-	30,134
Farms by acres harvested:						
1 to 24 acres	818	-	-	28	-	53
25 to 99 acres	1,709	-	-	3	-	83
100 to 249 acres	1,856	-	-	9	-	60
250 to 499 acres	1,066	-	-	5	-	30
500 to 999 acres	597	-	-	-	-	12
1,000 acres or more	190	-	-	1	-	1
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	869,534	18,735	243	1,176	22,939	7,411
acres	61,455,483	883,196	23,315	309,018	1,334,153	1,723,147
tons, dry equivalent	155,393,762	1,641,373	33,336	2,215,580	2,966,184	10,642,531
Irrigated ..... farms	86,007	356	13	1,122	514	5,954
acres	10,264,753	10,556	2,364	307,367	20,958	1,554,197
Farms by acres harvested:						
1 to 24 acres	367,533	8,474	65	535	8,476	2,194
25 to 99 acres	345,273	8,080	116	238	10,772	2,165
100 to 249 acres	111,368	1,786	36	147	3,001	1,398
250 to 499 acres	30,370	309	20	83	543	781
500 to 999 acres	10,911	81	6	80	123	512
1,000 acres or more	4,079	5	-	93	24	361
Oats for grain ..... farms	42,558	238	8	18	57	299
acres	1,509,149	16,111	1,017	1,090	6,431	25,993
bushels	89,508,669	905,087	49,230	87,980	601,737	2,595,144
Irrigated ..... farms	1,620	9	1	18	3	198
acres	78,214	320	(D)	1,090	192	18,141
Farms by acres harvested:						
1 to 24 acres	27,044	75	3	12	25	103
25 to 99 acres	12,167	114	3	3	16	117
100 to 249 acres	2,643	39	-	1	7	55
250 to 499 acres	552	9	2	2	6	17
500 to 999 acres	135	1	-	-	3	5
1,000 acres or more	17	-	-	-	-	2

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Harvested cropland	farms	17,899	3,517	1,615	20,486	23,179	6,044
	acres	5,888,926	136,833	409,468	2,112,129	3,390,437	103,120
Irrigated	farms	12,786	759	532	11,288	5,204	2,719
	acres	2,296,765	9,738	104,063	1,424,396	987,160	47,825
Barley for grain	farms	331	-	137	-	13	-
	acres	59,667	-	20,106	-	537	-
	bushels	7,179,416	-	1,588,749	-	30,326	-
Irrigated	farms	292	-	28	-	-	-
	acres	54,440	-	2,732	-	-	-
Farms by acres harvested:							
1 to 24 acres		44	-	26	-	6	-
25 to 99 acres		100	-	39	-	6	-
100 to 249 acres		116	-	44	-	1	-
250 to 499 acres		43	-	23	-	-	-
500 to 999 acres		24	-	5	-	-	-
1,000 acres or more		4	-	-	-	-	-
Corn for grain	farms	2,585	61	843	513	3,114	14
	acres	1,054,844	3,563	185,407	33,915	449,007	3,115
	bushels	140,523,805	424,350	18,346,034	2,991,208	54,137,330	124,878
Irrigated	farms	1,989	5	265	111	1,399	14
	acres	635,630	(D)	52,680	7,633	210,608	3,115
Farms by acres harvested:							
1 to 24 acres		235	38	142	271	757	2
25 to 99 acres		575	14	318	153	1,036	1
100 to 249 acres		680	5	165	66	798	8
250 to 499 acres		429	3	109	12	346	2
500 to 999 acres		399	1	72	5	140	1
1,000 acres or more		267	-	37	6	37	-
Corn for silage or greenchop	farms	857	253	73	119	284	-
	acres	111,116	24,174	6,353	27,005	38,657	-
	tons	2,327,377	480,472	67,825	484,308	676,293	-
Irrigated	farms	762	4	17	75	152	-
	acres	91,488	126	632	23,162	22,519	-
Farms by acres harvested:							
1 to 24 acres		118	94	22	31	70	-
25 to 99 acres		380	90	29	32	92	-
100 to 249 acres		250	45	15	27	84	-
250 to 499 acres		72	15	7	14	21	-
500 to 999 acres		32	7	-	8	14	-
1,000 acres or more		5	2	-	7	3	-
Cotton, all	farms	-	-	-	213	2,577	-
	acres	-	-	-	80,053	996,427	-
	bales	-	-	-	109,206	1,628,260	-
Irrigated	farms	-	-	-	12	1,114	-
	acres	-	-	-	9,145	309,442	-
Farms by acres harvested:							
1 to 24 acres		-	-	-	18	142	-
25 to 99 acres		-	-	-	49	545	-
100 to 249 acres		-	-	-	50	696	-
250 to 499 acres		-	-	-	45	558	-
500 to 999 acres		-	-	-	36	410	-
1,000 acres or more		-	-	-	15	226	-
Dry edible beans, excluding limas	farms	281	3	-	-	-	-
	acres	46,629	3	-	-	-	-
	cwt	785,848	90	-	-	-	-
Irrigated	farms	245	3	-	-	-	-
	acres	30,790	3	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		38	3	-	-	-	-
25 to 99 acres		95	-	-	-	-	-
100 to 249 acres		97	-	-	-	-	-
250 to 499 acres		25	-	-	-	-	-
500 to 999 acres		21	-	-	-	-	-
1,000 acres or more		5	-	-	-	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	13,998	2,060	430	5,755	14,556	30
	acres	1,621,178	81,269	14,211	354,860	663,750	1,000
	tons, dry equivalent	4,256,940	176,786	37,989	1,120,290	1,380,403	2,215
Irrigated	farms	10,418	-	35	516	927	22
	acres	1,156,305	-	875	42,984	42,119	149
Farms by acres harvested:							
1 to 24 acres		4,963	1,150	300	2,836	7,239	20
25 to 99 acres		4,835	731	104	2,067	5,672	8
100 to 249 acres		2,530	135	19	559	1,321	1
250 to 499 acres		1,058	40	4	200	257	1
500 to 999 acres		440	4	2	71	54	-
1,000 acres or more		172	-	1	22	13	-
Oats for grain	farms	165	2	9	49	476	-
	acres	9,921	(D)	142	3,222	28,770	-
	bushels	531,736	(D)	(D)	200,966	1,535,663	-
Irrigated	farms	105	-	-	8	69	-
	acres	5,072	-	-	1,034	4,106	-
Farms by acres harvested:							
1 to 24 acres		65	1	7	20	165	-
25 to 99 acres		72	-	2	17	214	-
100 to 249 acres		23	1	-	10	84	-
250 to 499 acres		4	-	-	1	13	-
500 to 999 acres		1	-	-	1	-	-
1,000 acres or more		-	-	-	-	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Harvested cropland	farms	13,975	54,185	41,743	63,672	43,553	57,528
	acres	4,225,786	22,611,443	12,108,940	23,799,380	19,886,655	5,057,883
Irrigated	farms	10,992	2,327	2,295	1,258	5,876	2,948
	acres	2,867,218	473,081	395,708	188,765	2,728,874	58,221
Barley for grain	farms	2,146	46	37	86	157	52
	acres	547,928	738	493	2,815	13,109	2,626
	bushels	42,464,856	43,029	21,911	139,145	692,044	98,830
Irrigated	farms	1,581	-	1	-	15	-
	acres	352,080	-	(D)	-	1,187	-
Farms by acres harvested:							
1 to 24 acres		332	36	31	56	53	19
25 to 99 acres		729	10	6	22	74	28
100 to 249 acres		532	-	-	8	22	3
250 to 499 acres		295	-	-	-	-	2
500 to 999 acres		147	-	-	-	8	-
1,000 acres or more		111	-	-	-	-	-
Corn for grain	farms	691	38,260	24,400	50,095	11,236	7,060
	acres	104,570	13,096,231	6,362,576	13,842,282	3,680,278	1,313,320
	bushels	17,752,526	2,248,664,947	959,947,232	2,292,163,101	500,560,815	166,687,678
Irrigated	farms	689	1,107	1,024	566	3,591	159
	acres	(D)	330,642	268,435	126,232	1,509,702	22,483
Farms by acres harvested:							
1 to 24 acres		162	4,806	5,386	5,004	990	2,925
25 to 99 acres		280	9,488	7,338	13,122	3,158	1,961
100 to 249 acres		144	8,685	4,754	13,962	3,067	924
250 to 499 acres		63	6,994	3,112	10,149	1,822	533
500 to 999 acres		26	5,385	2,403	5,779	1,369	414
1,000 acres or more		16	2,902	1,407	2,079	830	303
Corn for silage or greenchop	farms	1,115	2,296	2,120	4,967	1,665	2,255
	acres	211,748	75,247	105,937	220,646	166,018	86,542
	tons	5,695,090	1,351,823	1,956,429	4,138,151	2,988,294	1,189,499
Irrigated	farms	1,115	16	77	22	439	49
	acres	211,748	265	6,569	1,889	69,075	986
Farms by acres harvested:							
1 to 24 acres		162	1,364	1,236	2,738	376	1,159
25 to 99 acres		483	793	648	1,754	783	889
100 to 249 acres		270	118	166	356	388	190
250 to 499 acres		119	19	39	74	72	13
500 to 999 acres		48	2	24	41	32	3
1,000 acres or more		33	-	7	4	14	1
Cotton, all	farms	-	-	-	-	106	-
	acres	-	-	-	-	40,924	-
	bales	-	-	-	-	54,814	-
Irrigated	farms	-	-	-	-	34	-
	acres	-	-	-	-	10,419	-
Farms by acres harvested:							
1 to 24 acres		-	-	-	-	5	-
25 to 99 acres		-	-	-	-	15	-
100 to 249 acres		-	-	-	-	33	-
250 to 499 acres		-	-	-	-	27	-
500 to 999 acres		-	-	-	-	14	-
1,000 acres or more		-	-	-	-	12	-
Dry edible beans, excluding limas	farms	641	-	1	1	33	-
	acres	88,987	-	(D)	(D)	5,955	-
	cwt	1,646,970	-	(D)	(D)	134,719	-
Irrigated	farms	519	-	1	-	31	-
	acres	49,435	-	(D)	-	5,143	-
Farms by acres harvested:							
1 to 24 acres		106	-	-	-	2	-
25 to 99 acres		277	-	-	-	8	-
100 to 249 acres		170	-	1	1	17	-
250 to 499 acres		59	-	-	-	3	-
500 to 999 acres		24	-	-	-	3	-
1,000 acres or more		5	-	-	-	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	11,159	19,865	18,917	26,901	29,266	49,825
	acres	1,316,296	593,186	546,764	1,125,565	2,800,129	2,456,564
	tons, dry equivalent	5,198,288	1,770,834	1,306,246	3,897,996	6,916,201	4,042,948
Irrigated	farms	8,788	68	215	89	1,662	274
	acres	1,021,414	1,373	5,770	1,644	272,537	3,447
Farms by acres harvested:							
1 to 24 acres		4,625	12,899	12,379	13,865	8,527	21,551
25 to 99 acres		3,509	5,820	5,554	10,273	12,831	21,860
100 to 249 acres		1,784	1,004	844	2,386	5,530	5,348
250 to 499 acres		721	112	117	312	1,655	895
500 to 999 acres		335	28	21	51	534	144
1,000 acres or more		185	2	2	14	189	27
Oats for grain	farms	298	1,006	568	3,056	874	118
	acres	19,629	24,265	7,948	66,651	29,761	1,002
	bushels	1,178,663	1,500,658	403,631	4,481,462	1,363,381	55,839
Irrigated	farms	167	2	12	4	31	-
	acres	6,876	(D)	36	(D)	2,478	-
Farms by acres harvested:							
1 to 24 acres		117	753	513	2,341	559	111
25 to 99 acres		113	213	55	640	257	7
100 to 249 acres		56	38	-	58	46	-
250 to 499 acres		11	2	-	16	9	-
500 to 999 acres		1	-	-	1	2	-
1,000 acres or more		-	-	-	-	1	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Harvested cropland	farms	13,783	5,189	8,278	4,792	37,868	53,943
	acres	3,342,048	393,738	1,246,603	153,993	6,859,081	19,267,018
Irrigated	farms	2,682	873	1,284	1,543	4,728	2,787
	acres	910,458	20,799	91,926	22,662	496,295	499,583
Barley for grain	farms	-	94	683	-	376	1,126
	acres	-	16,975	34,288	-	12,953	108,268
	bushels	-	1,076,922	2,733,463	-	642,216	5,800,659
Irrigated	farms	-	-	43	-	2	31
	acres	-	-	1,779	-	(D)	1,784
Farms by acres harvested:							
1 to 24 acres		-	34	291	-	210	390
25 to 99 acres		-	22	293	-	139	421
100 to 249 acres		-	21	86	-	24	210
250 to 499 acres		-	11	12	-	3	73
500 to 999 acres		-	3	1	-	-	27
1,000 acres or more		-	3	-	-	-	5
Corn for grain	farms	1,331	26	2,803	50	13,768	30,976
	acres	722,387	3,272	460,137	2,432	2,350,668	7,801,001
	bushels	114,674,506	419,517	45,548,271	372,853	288,066,336	1,138,660,229
Irrigated	farms	673	-	273	2	978	1,265
	acres	300,979	-	38,964	(D)	241,060	250,683
Farms by acres harvested:							
1 to 24 acres		125	7	824	34	3,720	3,815
25 to 99 acres		190	6	954	9	4,665	9,330
100 to 249 acres		233	8	497	4	2,824	8,384
250 to 499 acres		267	4	292	3	1,438	5,254
500 to 999 acres		292	1	161	-	748	2,935
1,000 acres or more		224	-	75	-	373	1,258
Corn for silage or greenchop	farms	39	185	898	230	3,352	7,998
	acres	4,087	23,516	63,979	13,895	297,381	433,506
	tons	69,995	429,432	791,447	275,194	4,350,145	5,791,485
Irrigated	farms	5	3	31	7	132	233
	acres	403	39	1,652	(D)	13,381	13,028
Farms by acres harvested:							
1 to 24 acres		6	31	343	100	1,340	3,053
25 to 99 acres		19	82	364	83	1,207	3,879
100 to 249 acres		11	45	154	41	572	851
250 to 499 acres		2	22	26	5	140	177
500 to 999 acres		1	4	8	1	56	32
1,000 acres or more		-	1	3	-	37	6
Cotton, all	farms	645	-	-	-	-	-
	acres	333,804	-	-	-	-	-
	bales	698,557	-	-	-	-	-
Irrigated	farms	284	-	-	-	-	-
	acres	87,442	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		36	-	-	-	-	-
25 to 99 acres		111	-	-	-	-	-
100 to 249 acres		111	-	-	-	-	-
250 to 499 acres		138	-	-	-	-	-
500 to 999 acres		159	-	-	-	-	-
1,000 acres or more		90	-	-	-	-	-
Dry edible beans, excluding limas	farms	-	16	-	1	1,183	526
	acres	-	481	-	(D)	195,419	145,422
	cwt	-	4,359	-	(D)	3,207,689	2,638,507
Irrigated	farms	-	-	-	-	61	93
	acres	-	-	-	-	8,182	26,692
Farms by acres harvested:							
1 to 24 acres		-	12	-	1	172	20
25 to 99 acres		-	3	-	-	434	131
100 to 249 acres		-	-	-	-	327	190
250 to 499 acres		-	1	-	-	174	102
500 to 999 acres		-	-	-	-	66	65
1,000 acres or more		-	-	-	-	10	18
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	8,798	3,048	5,123	2,424	21,853	29,844
	acres	463,695	197,757	223,390	93,811	1,160,467	1,716,693
	tons, dry equivalent	1,176,324	428,423	552,667	198,593	2,966,956	4,392,567
Irrigated	farms	249	-	128	12	429	574
	acres	8,326	-	3,100	83	18,394	28,592
Farms by acres harvested:							
1 to 24 acres		3,925	1,346	2,544	1,378	11,008	12,777
25 to 99 acres		3,620	1,126	2,019	807	7,858	12,193
100 to 249 acres		1,014	401	482	204	2,189	3,960
250 to 499 acres		169	147	62	32	603	719
500 to 999 acres		58	23	14	3	171	162
1,000 acres or more		12	5	2	-	24	33
Oats for grain	farms	30	159	184	2	2,181	5,499
	acres	1,549	27,206	2,338	(D)	55,046	180,942
	bushels	131,809	1,937,569	152,306	(D)	2,972,519	10,494,120
Irrigated	farms	-	-	4	-	23	76
	acres	-	-	4	-	93	2,249
Farms by acres harvested:							
1 to 24 acres		9	41	161	2	1,542	3,197
25 to 99 acres		16	42	22	-	541	2,032
100 to 249 acres		5	36	1	-	87	230
250 to 499 acres		-	28	-	-	10	26
500 to 999 acres		-	9	-	-	1	11
1,000 acres or more		-	3	-	-	-	3

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Harvested cropland	farms	18,773	69,585	16,441	34,715	1,572	2,494
	acres	4,223,708	12,980,113	9,163,867	18,169,876	504,311	99,520
Irrigated	farms	2,199	3,407	8,201	16,759	1,570	493
	acres	1,364,157	1,190,101	1,558,122	8,448,373	502,978	2,417
Barley for grain	farms	-	56	2,347	35	9	1
	acres	-	1,531	718,551	1,777	1,062	(D)
	bushels	-	59,238	29,670,161	81,963	93,177	(D)
Irrigated	farms	-	-	906	10	9	-
	acres	-	-	175,420	526	1,062	-
Farms by acres harvested:							
1 to 24 acres		-	30	172	12	3	1
25 to 99 acres		-	25	636	18	3	-
100 to 249 acres		-	1	735	5	2	-
250 to 499 acres		-	-	441	-	-	-
500 to 999 acres		-	-	222	-	1	-
1,000 acres or more		-	-	141	-	-	-
Corn for grain	farms	2,091	15,375	297	22,812	10	13
	acres	873,618	3,256,195	38,002	9,192,656	473	226
	bushels	127,841,765	439,417,160	5,147,840	1,426,459,812	73,176	27,547
Irrigated	farms	624	1,233	263	14,107	10	3
	acres	346,506	388,210	32,517	5,839,067	473	3
Farms by acres harvested:							
1 to 24 acres		607	2,594	44	1,061	4	11
25 to 99 acres		288	5,496	127	4,745	5	1
100 to 249 acres		310	3,408	89	6,036	-	1
250 to 499 acres		305	2,088	27	5,046	1	-
500 to 999 acres		306	1,265	8	3,813	-	-
1,000 acres or more		275	524	2	2,111	-	-
Corn for silage or greenchop	farms	126	1,704	383	2,671	36	135
	acres	11,900	69,353	45,172	185,584	5,451	12,640
	tons	152,082	1,041,591	974,410	3,171,470	134,522	262,867
Irrigated	farms	12	36	342	1,295	36	-
	acres	1,033	1,869	41,122	101,256	5,451	-
Farms by acres harvested:							
1 to 24 acres		33	868	49	849	3	38
25 to 99 acres		48	698	176	1,328	17	55
100 to 249 acres		36	117	118	393	9	34
250 to 499 acres		6	12	33	73	5	5
500 to 999 acres		2	6	5	22	1	1
1,000 acres or more		1	3	2	6	1	2
Cotton, all	farms	980	511	-	-	-	-
	acres	656,051	377,960	-	-	-	-
	bales	1,289,270	723,043	-	-	-	-
Irrigated	farms	394	382	-	-	-	-
	acres	295,396	198,446	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		108	10	-	-	-	-
25 to 99 acres		129	64	-	-	-	-
100 to 249 acres		130	71	-	-	-	-
250 to 499 acres		199	100	-	-	-	-
500 to 999 acres		195	129	-	-	-	-
1,000 acres or more		219	137	-	-	-	-
Dry edible beans, excluding limas	farms	-	2	105	495	-	2
	acres	-	(D)	17,151	107,583	-	(D)
	cwt	-	(D)	290,498	2,453,158	-	(D)
Irrigated	farms	-	-	82	482	-	-
	acres	-	-	9,224	104,748	-	-
Farms by acres harvested:							
1 to 24 acres		-	2	8	26	-	2
25 to 99 acres		-	-	41	127	-	-
100 to 249 acres		-	-	35	196	-	-
250 to 499 acres		-	-	15	95	-	-
500 to 999 acres		-	-	5	41	-	-
1,000 acres or more		-	-	1	10	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	13,271	57,184	12,796	20,576	1,436	1,581
	acres	680,402	3,895,401	2,822,442	2,563,515	464,598	76,877
	tons, dry equivalent	1,572,853	7,182,875	5,490,353	6,289,171	1,582,983	178,138
Irrigated	farms	190	282	6,996	5,024	1,435	7
	acres	6,171	9,452	1,059,816	494,391	463,464	45
Farms by acres harvested:							
1 to 24 acres		5,392	18,685	3,043	6,425	401	808
25 to 99 acres		6,068	26,738	3,522	8,099	362	549
100 to 249 acres		1,513	9,367	2,785	3,667	225	185
250 to 499 acres		253	1,902	1,833	1,410	196	37
500 to 999 acres		33	429	1,112	640	138	1
1,000 acres or more		12	63	501	335	114	1
Oats for grain	farms	44	459	488	885	2	-
	acres	1,345	7,894	34,633	35,108	(D)	-
	bushels	107,161	382,149	1,673,538	2,108,923	(D)	-
Irrigated	farms	3	-	151	67	2	-
	acres	(D)	-	8,227	3,052	(D)	-
Farms by acres harvested:							
1 to 24 acres		26	364	142	433	-	-
25 to 99 acres		14	91	247	376	-	-
100 to 249 acres		4	4	72	66	2	-
250 to 499 acres		-	-	23	10	-	-
500 to 999 acres		-	-	4	-	-	-
1,000 acres or more		-	-	-	-	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Harvested cropland ..... farms	7,180	9,311	26,814	32,803	20,408	54,790
acres	415,542	1,009,683	3,651,278	4,188,658	22,035,717	9,991,007
Irrigated ..... farms	1,960	8,492	2,853	5,248	769	2,297
acres	94,121	648,272	65,891	208,213	233,171	37,050
Barley for grain ..... farms	46	10	327	236	4,855	210
acres	1,947	824	10,793	13,728	1,384,689	2,994
bushels	136,415	80,299	530,407	667,667	75,444,593	159,965
Irrigated ..... farms	2	9	-	14	64	-
acres	(D)	(D)	-	88	10,848	-
Farms by acres harvested:						
1 to 24 acres	24	4	215	125	149	174
25 to 99 acres	14	4	88	69	874	35
100 to 249 acres	8	1	21	34	1,801	1
250 to 499 acres	-	1	2	6	1,283	-
500 to 999 acres	-	-	1	2	599	-
1,000 acres or more	-	-	-	-	149	-
Corn for grain ..... farms	731	122	4,243	6,324	5,809	24,436
acres	81,556	53,851	551,629	965,426	2,348,171	3,606,246
bushels	10,137,862	9,626,854	71,454,280	98,245,673	275,329,681	526,601,789
Irrigated ..... farms	81	116	27	436	364	39
acres	8,094	49,327	1,208	28,481	99,184	7,375
Farms by acres harvested:						
1 to 24 acres	269	44	1,393	2,266	285	7,004
25 to 99 acres	221	11	1,482	1,824	1,308	8,585
100 to 249 acres	143	20	777	1,107	1,609	4,701
250 to 499 acres	61	21	348	633	1,178	2,456
500 to 999 acres	31	17	167	355	821	1,261
1,000 acres or more	6	9	76	139	608	429
Corn for silage or greenchop ..... farms	234	285	5,278	733	1,707	3,928
acres	11,528	79,141	507,568	56,886	180,634	182,935
tons	164,400	1,937,769	8,640,006	631,752	1,965,111	3,191,893
Irrigated ..... farms	5	284	9	32	71	5
acres	148	78,398	412	1,138	6,761	480
Farms by acres harvested:						
1 to 24 acres	112	42	1,612	354	168	2,036
25 to 99 acres	83	58	2,396	200	915	1,461
100 to 249 acres	34	91	810	126	504	342
250 to 499 acres	3	46	282	42	88	64
500 to 999 acres	2	35	140	8	23	20
1,000 acres or more	-	13	38	3	9	5
Cotton, all ..... farms	-	199	-	1,308	-	-
acres	-	42,207	-	526,060	-	-
bales	-	97,206	-	785,557	-	-
Irrigated ..... farms	-	199	-	101	-	-
acres	-	42,207	-	10,756	-	-
Farms by acres harvested:						
1 to 24 acres	-	35	-	106	-	-
25 to 99 acres	-	56	-	249	-	-
100 to 249 acres	-	57	-	255	-	-
250 to 499 acres	-	30	-	322	-	-
500 to 999 acres	-	14	-	267	-	-
1,000 acres or more	-	7	-	109	-	-
Dry edible beans, excluding limas ..... farms	2	178	143	-	1,682	1
acres	(D)	7,760	16,218	-	664,389	(D)
cwt	(D)	173,070	247,762	-	10,745,281	(D)
Irrigated ..... farms	-	178	3	-	56	-
acres	-	7,760	(D)	-	13,023	-
Farms by acres harvested:						
1 to 24 acres	2	164	38	-	19	1
25 to 99 acres	-	7	49	-	249	-
100 to 249 acres	-	6	39	-	512	-
250 to 499 acres	-	-	14	-	465	-
500 to 999 acres	-	-	2	-	314	-
1,000 acres or more	-	1	1	-	123	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ..... farms	3,130	5,583	20,194	19,432	11,561	31,440
acres	115,669	365,843	1,962,620	687,650	2,525,213	1,156,523
tons, dry equivalent	226,883	1,565,071	4,981,812	1,170,258	4,832,502	2,807,279
Irrigated ..... farms	58	5,163	119	1,324	264	27
acres	1,376	314,068	2,816	56,147	25,565	632
Farms by acres harvested:						
1 to 24 acres	2,092	3,485	5,227	11,629	1,709	17,749
25 to 99 acres	775	1,309	8,843	6,372	3,283	11,237
100 to 249 acres	196	473	4,371	1,204	3,150	2,083
250 to 499 acres	53	192	1,310	163	2,056	304
500 to 999 acres	11	84	355	52	1,078	58
1,000 acres or more	3	40	88	12	285	9
Oats for grain ..... farms	50	45	1,809	556	2,513	2,800
acres	1,234	(D)	60,999	14,337	257,021	46,348
bushels	61,563	16,467	3,556,221	787,753	14,862,093	2,883,967
Irrigated ..... farms	-	26	1	27	16	-
acres	-	143	(D)	185	990	-
Farms by acres harvested:						
1 to 24 acres	36	40	1,137	373	348	2,336
25 to 99 acres	12	5	534	154	1,232	419
100 to 249 acres	1	-	111	27	739	44
250 to 499 acres	1	-	22	2	155	1
500 to 999 acres	-	-	5	-	37	-
1,000 acres or more	-	-	-	-	2	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Harvested cropland	farms	46,224	22,131	44,269	823	12,962
	acres	7,650,080	3,037,261	3,942,079	19,325	1,551,670
Irrigated	farms	2,645	12,095	3,830	305	1,693
	acres	481,169	1,333,741	36,759	4,266	123,413
Barley for grain	farms	42	339	2,104	-	29
	acres	5,038	53,216	41,986	-	747
	bushels	207,751	2,798,280	3,053,989	-	44,457
Irrigated	farms	1	147	4	-	4
	acres	(D)	15,057	18	-	(D)
Farms by acres harvested:						
1 to 24 acres		12	92	1,620	-	20
25 to 99 acres		11	114	440	-	7
100 to 249 acres		18	75	39	-	2
250 to 499 acres		-	34	3	-	-
500 to 999 acres		-	17	2	-	-
1,000 acres or more		1	7	-	-	-
Corn for grain	farms	913	248	16,030	4	2,601
	acres	270,838	35,271	980,753	41	372,558
	bushels	38,603,555	7,008,419	118,964,770	3,207	35,122,617
Irrigated	farms	275	237	56	-	252
	acres	105,793	35,009	2,660	-	31,971
Farms by acres harvested:						
1 to 24 acres		69	59	8,507	4	1,029
25 to 99 acres		255	90	5,019	-	719
100 to 249 acres		276	59	1,674	-	439
250 to 499 acres		175	24	574	-	240
500 to 999 acres		92	11	203	-	121
1,000 acres or more		46	5	53	-	53
Corn for silage or greenchop	farms	185	247	10,230	39	121
	acres	30,163	25,386	429,139	1,653	13,392
	tons	567,496	633,222	7,057,789	32,886	184,659
Irrigated	farms	69	229	37	1	43
	acres	16,902	23,811	1,605	(D)	3,290
Farms by acres harvested:						
1 to 24 acres		28	62	5,214	21	52
25 to 99 acres		71	122	4,067	14	28
100 to 249 acres		65	47	788	3	26
250 to 499 acres		13	8	127	1	11
500 to 999 acres		3	5	31	-	3
1,000 acres or more		5	3	3	-	1
Cotton, all	farms	420	-	-	-	458
	acres	164,273	-	-	-	158,296
	bales	279,871	-	-	-	159,213
Irrigated	farms	167	-	-	-	90
	acres	67,687	-	-	-	14,259
Farms by acres harvested:						
1 to 24 acres		15	-	-	-	38
25 to 99 acres		89	-	-	-	80
100 to 249 acres		120	-	-	-	136
250 to 499 acres		82	-	-	-	92
500 to 999 acres		78	-	-	-	78
1,000 acres or more		36	-	-	-	34
Dry edible beans, excluding limas	farms	7	49	17	-	-
	acres	150	7,559	153	-	-
	cwt	2,792	149,465	3,045	-	-
Irrigated	farms	2	36	1	-	-
	acres	(D)	4,562	(D)	-	-
Farms by acres harvested:						
1 to 24 acres		4	7	16	-	-
25 to 99 acres		3	18	1	-	-
100 to 249 acres		-	14	-	-	-
250 to 499 acres		-	5	-	-	-
500 to 999 acres		-	5	-	-	-
1,000 acres or more		-	-	-	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	39,449	12,590	34,923	351	7,830
	acres	3,231,691	1,038,735	1,747,589	9,304	340,951
	tons, dry equivalent	6,718,879	3,129,873	4,487,424	19,042	591,501
Irrigated	farms	1,029	6,688	226	3	275
	acres	86,344	739,289	2,177	18	6,797
Farms by acres harvested:						
1 to 24 acres		10,419	6,886	15,925	225	3,887
25 to 99 acres		19,517	3,562	14,511	113	3,079
100 to 249 acres		7,187	1,232	3,706	11	726
250 to 499 acres		1,736	528	641	2	119
500 to 999 acres		466	248	109	-	16
1,000 acres or more		124	134	31	-	3
Oats for grain	farms	172	259	5,089	2	344
	acres	14,816	17,958	79,943	(D)	13,279
	bushels	462,865	1,417,220	4,237,273	(D)	559,906
Irrigated	farms	9	72	-	-	18
	acres	1,327	5,023	-	-	238
Farms by acres harvested:						
1 to 24 acres		54	105	4,274	2	206
25 to 99 acres		69	106	735	-	101
100 to 249 acres		29	30	72	-	32
250 to 499 acres		20	12	6	-	4
500 to 999 acres		-	6	2	-	1
1,000 acres or more		-	-	-	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Harvested cropland ....farms	21,902	48,292	111,671	10,259	4,707
acres	15,278,709	4,226,440	19,174,301	964,702	433,074
Irrigated ....farms	1,561	2,318	16,151	9,649	508
acres	358,807	79,150	4,621,445	787,205	2,203
Barley for grain ....farms	205	18	28	487	4
acres	28,761	997	2,090	22,124	(D)
bushels	1,218,568	45,265	141,999	1,833,678	(D)
Irrigated ....farms	5	1	13	461	-
acres	144	(D)	936	19,122	-
Farms by acres harvested:					
1 to 24 acres	27	9	7	245	2
25 to 99 acres	81	5	14	178	2
100 to 249 acres	65	3	6	54	-
250 to 499 acres	25	1	1	10	-
500 to 999 acres	4	-	-	-	-
1,000 acres or more	3	-	-	-	-
Corn for grain ....farms	12,198	4,653	4,543	331	71
acres	4,455,368	780,608	1,963,640	21,367	5,368
bushels	518,552,101	83,636,352	286,386,341	3,249,594	773,897
Irrigated ....farms	788	115	1,892	331	-
acres	192,582	20,272	846,750	21,367	-
Farms by acres harvested:					
1 to 24 acres	608	1,697	526	162	21
25 to 99 acres	2,612	1,381	856	109	31
100 to 249 acres	3,628	694	1,030	44	16
250 to 499 acres	2,832	446	873	13	3
500 to 999 acres	1,663	284	739	3	-
1,000 acres or more	855	151	519	-	-
Corn for silage or greenchop ....farms	3,928	884	560	573	674
acres	383,599	52,565	151,091	45,375	87,403
tons	4,358,190	577,940	3,417,965	969,548	1,658,746
Irrigated ....farms	121	35	357	573	-
acres	9,708	1,772	102,392	45,375	-
Farms by acres harvested:					
1 to 24 acres	776	331	55	177	164
25 to 99 acres	2,065	386	136	267	261
100 to 249 acres	771	143	187	102	155
250 to 499 acres	204	19	103	13	57
500 to 999 acres	88	5	49	11	30
1,000 acres or more	24	-	30	3	7
Cotton, all ....farms	-	779	7,225	-	-
acres	-	504,057	4,674,229	-	-
bales	-	581,236	8,147,970	-	-
Irrigated ....farms	-	45	3,876	-	-
acres	-	11,386	1,626,181	-	-
Farms by acres harvested:					
1 to 24 acres	-	55	255	-	-
25 to 99 acres	-	165	991	-	-
100 to 249 acres	-	108	1,460	-	-
250 to 499 acres	-	134	1,355	-	-
500 to 999 acres	-	159	1,561	-	-
1,000 acres or more	-	158	1,603	-	-
Dry edible beans, excluding limas ....farms	34	-	58	16	6
acres	11,891	-	6,675	1,627	(D)
cwt	208,659	-	127,400	6,994	(D)
Irrigated ....farms	11	-	28	10	-
acres	2,826	-	2,946	159	-
Farms by acres harvested:					
1 to 24 acres	3	-	22	10	6
25 to 99 acres	6	-	15	2	-
100 to 249 acres	8	-	12	2	-
250 to 499 acres	9	-	6	1	-
500 to 999 acres	6	-	3	1	-
1,000 acres or more	2	-	-	-	-
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text) ....farms	16,121	42,280	90,860	8,930	3,624
acres	3,239,947	1,784,808	5,264,287	690,946	330,984
tons, dry equivalent	6,502,232	2,732,930	14,477,068	2,569,087	962,986
Irrigated ....farms	797	344	5,701	8,458	4
acres	87,670	4,394	424,623	628,996	230
Farms by acres harvested:					
1 to 24 acres	2,949	20,148	39,538	4,480	1,132
25 to 99 acres	5,139	17,834	38,189	2,780	1,451
100 to 249 acres	4,091	3,744	9,979	1,012	748
250 to 499 acres	2,291	516	2,217	441	216
500 to 999 acres	1,182	34	720	157	62
1,000 acres or more	469	4	217	60	15
Oats for grain ....farms	1,703	78	1,109	266	12
acres	124,743	1,679	92,653	4,833	211
bushels	8,758,284	83,840	3,663,002	367,230	11,525
Irrigated ....farms	30	-	80	252	-
acres	1,666	-	5,461	4,461	-
Farms by acres harvested:					
1 to 24 acres	409	66	360	212	7
25 to 99 acres	908	9	490	51	5
100 to 249 acres	310	2	180	3	-
250 to 499 acres	68	1	50	-	-
500 to 999 acres	7	-	26	-	-
1,000 acres or more	1	-	3	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
Harvested cropland	farms	30,563	20,091	17,494	54,105	5,573
	acres	2,544,997	4,387,169	692,003	8,884,628	1,536,240
Irrigated	farms	2,134	11,835	427	2,826	4,511
	acres	78,675	1,589,538	(D)	373,680	1,025,182
Barley for grain	farms	530	843	61	1,104	342
	acres	27,833	223,598	1,328	23,645	52,457
	bushels	2,008,416	13,928,713	92,942	1,351,838	4,485,775
Irrigated	farms	12	67	-	3	291
	acres	695	3,641	-	(D)	43,513
Farms by acres harvested:						
1 to 24 acres		258	98	41	795	42
25 to 99 acres		191	175	18	291	141
100 to 249 acres		65	254	2	17	98
250 to 499 acres		13	184	-	1	46
500 to 999 acres		3	106	-	-	12
1,000 acres or more		-	26	-	-	3
Corn for grain	farms	3,063	550	686	27,505	344
	acres	401,070	118,665	26,618	3,250,847	54,567
	bushels	34,811,582	24,553,928	2,916,834	437,174,706	6,858,369
Irrigated	farms	169	547	3	556	335
	acres	15,364	(D)	(D)	113,312	51,056
Farms by acres harvested:						
1 to 24 acres		1,197	72	492	7,826	50
25 to 99 acres		903	182	133	11,638	125
100 to 249 acres		505	150	33	5,196	104
250 to 499 acres		261	94	23	1,622	44
500 to 999 acres		141	39	5	815	20
1,000 acres or more		56	13	-	408	1
Corn for silage or greenchop	farms	2,013	537	550	15,338	265
	acres	126,295	83,353	19,408	732,636	32,146
	tons	1,717,974	2,129,010	272,039	11,645,140	646,760
Irrigated	farms	75	360	5	121	260
	acres	3,671	57,381	226	8,900	30,491
Farms by acres harvested:						
1 to 24 acres		850	92	326	7,317	47
25 to 99 acres		799	199	190	6,450	115
100 to 249 acres		282	144	28	1,192	72
250 to 499 acres		63	72	4	270	20
500 to 999 acres		18	24	2	80	8
1,000 acres or more		1	6	-	29	3
Cotton, all	farms	196	-	-	-	-
	acres	59,243	-	-	-	-
	bales	101,745	-	-	-	-
Irrigated	farms	9	-	-	-	-
	acres	348	-	-	-	-
Farms by acres harvested:						
1 to 24 acres		15	-	-	-	-
25 to 99 acres		47	-	-	-	-
100 to 249 acres		43	-	-	-	-
250 to 499 acres		46	-	-	-	-
500 to 999 acres		37	-	-	-	-
1,000 acres or more		8	-	-	-	-
Dry edible beans, excluding limas	farms	-	269	-	6	193
	acres	-	61,055	-	6,069	24,197
	cwt	-	1,049,750	-	93,244	566,459
Irrigated	farms	-	152	-	5	193
	acres	-	22,017	-	5,717	24,197
Farms by acres harvested:						
1 to 24 acres		-	35	-	-	18
25 to 99 acres		-	70	-	-	87
100 to 249 acres		-	92	-	2	66
250 to 499 acres		-	38	-	1	18
500 to 999 acres		-	25	-	1	3
1,000 acres or more		-	9	-	2	1
Forage - land used for all hay and all haylage, grass silage, and greenchop (see text)	farms	25,986	10,243	16,449	42,082	5,276
	acres	1,305,624	846,140	614,794	2,797,497	1,192,019
	tons, dry equivalent	2,464,783	3,595,392	986,097	8,528,063	2,426,555
Irrigated	farms	377	4,262	22	269	4,298
	acres	9,767	493,255	238	20,124	824,334
Farms by acres harvested:						
1 to 24 acres		11,816	5,183	8,668	15,639	917
25 to 99 acres		10,823	3,040	6,511	17,589	1,720
100 to 249 acres		2,687	1,213	1,102	7,313	1,319
250 to 499 acres		527	506	146	1,217	718
500 to 999 acres		112	213	17	272	395
1,000 acres or more		21	88	5	52	207
Oats for grain	farms	230	138	121	7,934	154
	acres	4,893	8,956	1,494	166,794	8,040
	bushels	286,954	426,027	74,953	11,122,339	382,864
Irrigated	farms	4	19	-	19	94
	acres	6	471	-	1,779	3,099
Farms by acres harvested:						
1 to 24 acres		181	61	105	5,893	52
25 to 99 acres		38	52	16	1,927	80
100 to 249 acres		9	17	-	94	18
250 to 499 acres		1	7	-	10	3
500 to 999 acres		1	-	-	9	1
1,000 acres or more		-	1	-	1	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Peanuts for nuts ..... farms	6,182	704	-	1	1	11
acres	1,200,564	158,424	-	(D)	(D)	14
pounds	3,703,138,887	396,914,610	-	(D)	(D)	28,000
Irrigated ..... farms	2,381	71	-	1	1	11
acres	418,789	11,044	-	(D)	(D)	14
Farms by acres harvested:						
1 to 24 acres	915	84	-	1	-	11
25 to 99 acres	1,909	219	-	-	-	-
100 to 249 acres	1,886	192	-	-	1	-
250 to 499 acres	920	122	-	-	-	-
500 to 999 acres	423	64	-	-	-	-
1,000 acres or more	129	23	-	-	-	-
Pineapples harvested ..... farms	42	-	-	-	-	-
acres	(D)	-	-	-	-	-
tons	(D)	-	-	-	-	-
Irrigated ..... farms	20	-	-	-	-	-
acres	(D)	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	39	-	-	-	-	-
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	1	-	-	-	-	-
250 acres or more	2	-	-	-	-	-
Rice ..... farms	6,084	-	-	-	2,752	1,304
acres	2,758,792	-	-	-	1,326,377	531,075
cwt	198,538,690	-	-	-	96,033,069	43,018,947
Irrigated ..... farms	6,084	-	-	-	2,752	1,304
acres	2,758,792	-	-	-	1,326,377	531,075
Farms by acres harvested:						
1 to 24 acres	132	-	-	-	66	17
25 to 99 acres	915	-	-	-	425	162
100 to 249 acres	1,459	-	-	-	607	339
250 to 499 acres	1,616	-	-	-	696	433
500 to 999 acres	1,346	-	-	-	633	267
1,000 acres or more	616	-	-	-	325	86
Sorghum for grain ..... farms	26,242	78	-	79	697	58
acres	6,769,834	5,827	-	19,703	216,432	10,909
bushels	482,452,865	215,276	-	1,696,731	20,761,820	909,160
Irrigated ..... farms	4,483	2	-	79	295	53
acres	845,214	(D)	-	19,703	76,032	9,705
Farms by acres harvested:						
1 to 24 acres	2,609	21	-	2	39	10
25 to 99 acres	8,335	36	-	17	185	14
100 to 249 acres	7,302	15	-	33	216	25
250 to 499 acres	4,377	6	-	15	140	5
500 to 999 acres	2,443	-	-	10	76	2
1,000 acres or more	1,176	-	-	2	41	2
Soybeans for beans ..... farms	279,110	875	-	-	4,610	-
acres	63,915,821	179,673	-	-	2,819,478	-
bushels	2,582,423,697	3,660,854	-	-	98,903,025	-
Irrigated ..... farms	20,333	37	-	-	3,256	-
acres	5,237,075	2,124	-	-	1,843,833	-
Farms by acres harvested:						
1 to 24 acres	38,458	124	-	-	187	-
25 to 99 acres	90,935	277	-	-	810	-
100 to 249 acres	70,698	274	-	-	808	-
250 to 499 acres	44,381	104	-	-	887	-
500 to 999 acres	25,097	76	-	-	951	-
1,000 acres or more	9,541	20	-	-	967	-
Sugarbeets for sugar ..... farms	4,022	-	-	-	-	155
acres	1,253,817	-	-	-	-	42,984
tons	31,937,325	-	-	-	-	1,539,394
Irrigated ..... farms	1,595	-	-	-	-	155
acres	394,675	-	-	-	-	42,984
Farms by acres harvested:						
1 to 24 acres	131	-	-	-	-	4
25 to 99 acres	892	-	-	-	-	34
100 to 249 acres	1,274	-	-	-	-	63
250 to 499 acres	1,004	-	-	-	-	30
500 to 999 acres	540	-	-	-	-	18
1,000 acres or more	181	-	-	-	-	6
Sugarcane for sugar ..... farms	692	-	-	-	-	-
acres	846,666	-	-	-	-	-
tons	31,127,405	-	-	-	-	-
Irrigated ..... farms	219	-	-	-	-	-
acres	435,205	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	71	-	-	-	-	-
25 to 99 acres	78	-	-	-	-	-
100 to 249 acres	81	-	-	-	-	-
250 to 499 acres	96	-	-	-	-	-
500 to 999 acres	157	-	-	-	-	-
1,000 acres or more	209	-	-	-	-	-
Sunflower seed, all ..... farms	6,403	7	-	-	1	111
acres	2,000,153	19	-	-	(D)	27,913
pounds	2,820,962,445	13,720	-	-	(D)	29,776,645
Irrigated ..... farms	608	-	-	-	-	98
acres	102,219	-	-	-	-	23,937
Farms by acres harvested:						
1 to 24 acres	502	7	-	-	-	17
25 to 99 acres	1,153	-	-	-	1	31
100 to 249 acres	2,110	-	-	-	-	32
250 to 499 acres	1,494	-	-	-	-	17
500 to 999 acres	824	-	-	-	-	7
1,000 acres or more	320	-	-	-	-	7

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Peanuts for nuts ..... farms	-	-	-	423	2,762	-
acres	-	-	-	118,637	518,719	-
pounds	-	-	-	341,137,148	1,634,837,229	-
Irrigated ..... farms	-	-	-	92	1,193	-
acres	-	-	-	27,044	182,332	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	69	350	-
25 to 99 acres	-	-	-	122	943	-
100 to 249 acres	-	-	-	107	817	-
250 to 499 acres	-	-	-	48	422	-
500 to 999 acres	-	-	-	48	189	-
1,000 acres or more	-	-	-	29	41	-
Pineapples harvested ..... farms	-	-	-	-	-	42
acres	-	-	-	-	-	(D)
tons	-	-	-	-	-	(D)
Irrigated ..... farms	-	-	-	-	-	20
acres	-	-	-	-	-	(D)
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	39
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	-	-	-	-	-	1
250 acres or more	-	-	-	-	-	2
Rice ..... farms	-	-	-	7	-	-
acres	-	-	-	11,376	-	-
cwt	-	-	-	975,319	-	-
Irrigated ..... farms	-	-	-	7	-	-
acres	-	-	-	11,376	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	-	-	1	-	-
100 to 249 acres	-	-	-	-	-	-
250 to 499 acres	-	-	-	-	-	-
500 to 999 acres	-	-	-	3	-	-
1,000 acres or more	-	-	-	3	-	-
Sorghum for grain ..... farms	380	-	10	21	428	-
acres	153,196	-	327	1,331	44,694	-
bushels	5,750,890	-	17,927	68,866	1,935,793	-
Irrigated ..... farms	112	-	2	2	75	-
acres	10,818	-	(D)	(D)	5,556	-
Farms by acres harvested:						
1 to 24 acres	25	-	4	1	93	-
25 to 99 acres	97	-	5	17	183	-
100 to 249 acres	75	-	1	2	110	-
250 to 499 acres	94	-	-	1	30	-
500 to 999 acres	49	-	-	-	11	-
1,000 acres or more	40	-	-	-	1	-
Soybeans for beans ..... farms	34	6	817	101	1,617	-
acres	2,948	294	155,548	12,066	280,220	-
bushels	148,420	13,365	3,990,694	291,981	7,970,113	-
Irrigated ..... farms	24	1	172	4	340	-
acres	1,882	(D)	24,528	212	35,285	-
Farms by acres harvested:						
1 to 24 acres	4	5	144	16	187	-
25 to 99 acres	15	-	321	49	555	-
100 to 249 acres	14	1	177	22	536	-
250 to 499 acres	1	-	81	11	226	-
500 to 999 acres	-	-	67	2	89	-
1,000 acres or more	-	-	27	1	24	-
Sugarbeets for sugar ..... farms	226	-	-	-	-	-
acres	29,235	-	-	-	-	-
tons	764,791	-	-	-	-	-
Irrigated ..... farms	226	-	-	-	-	-
acres	29,235	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	20	-	-	-	-	-
25 to 99 acres	103	-	-	-	-	-
100 to 249 acres	71	-	-	-	-	-
250 to 499 acres	23	-	-	-	-	-
500 to 999 acres	8	-	-	-	-	-
1,000 acres or more	1	-	-	-	-	-
Sugarcane for sugar ..... farms	-	-	-	108	-	9
acres	-	-	-	378,587	-	(D)
tons	-	-	-	14,127,121	-	(D)
Irrigated ..... farms	-	-	-	108	-	6
acres	-	-	-	378,587	-	(D)
Farms by acres harvested:						
1 to 24 acres	-	-	-	18	-	7
25 to 99 acres	-	-	-	9	-	-
100 to 249 acres	-	-	-	13	-	-
250 to 499 acres	-	-	-	14	-	-
500 to 999 acres	-	-	-	10	-	-
1,000 acres or more	-	-	-	44	-	2
Sunflower seed, all ..... farms	282	-	3	-	35	-
acres	112,991	-	(D)	-	2,150	-
pounds	124,244,896	-	(D)	-	(D)	-
Irrigated ..... farms	101	-	-	-	6	-
acres	15,064	-	-	-	21	-
Farms by acres harvested:						
1 to 24 acres	11	-	2	-	31	-
25 to 99 acres	43	-	1	-	2	-
100 to 249 acres	100	-	-	-	1	-
250 to 499 acres	66	-	-	-	-	-
500 to 999 acres	40	-	-	-	-	-
1,000 acres or more	22	-	-	-	1	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Peanuts for nuts ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
pounds	-	-	-	-	-	-
Irrigated ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	-	-	-	-	-	-
250 to 499 acres	-	-	-	-	-	-
500 to 999 acres	-	-	-	-	-	-
1,000 acres or more	-	-	-	-	-	-
Pineapples harvested ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Irrigated ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	-	-	-	-	-	-
250 acres or more	-	-	-	-	-	-
Rice ... farms	-	3	-	-	-	-
acres	-	(D)	-	-	-	-
cwt	-	(D)	-	-	-	-
Irrigated ... farms	-	3	-	-	-	-
acres	-	(D)	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	1	-	-	-	-
100 to 249 acres	-	-	-	-	-	-
250 to 499 acres	-	1	-	-	-	-
500 to 999 acres	-	1	-	-	-	-
1,000 acres or more	-	-	-	-	-	-
Sorghum for grain ... farms	-	731	78	40	11,379	92
acres	-	76,601	8,938	2,113	2,625,920	11,590
bushels	-	5,960,150	811,912	174,761	201,048,807	950,509
Irrigated ... farms	-	8	3	-	1,121	3
acres	-	156	(D)	-	141,668	74
Farms by acres harvested:						
1 to 24 acres	-	120	14	16	936	18
25 to 99 acres	-	340	35	20	3,766	34
100 to 249 acres	-	205	18	2	3,377	25
250 to 499 acres	-	59	9	2	1,953	14
500 to 999 acres	-	6	2	-	968	1
1,000 acres or more	-	1	-	-	379	-
Soybeans for beans ... farms	-	33,945	21,973	41,524	13,232	4,129
acres	-	8,293,711	4,783,821	8,612,810	2,591,428	1,087,037
bushels	-	353,741,105	211,074,079	430,739,578	82,719,224	29,582,097
Irrigated ... farms	-	525	628	319	1,610	52
acres	-	70,513	82,454	50,481	261,588	10,147
Farms by acres harvested:						
1 to 24 acres	-	4,167	4,177	3,956	1,551	634
25 to 99 acres	-	9,772	7,078	13,031	4,773	1,517
100 to 249 acres	-	8,778	4,746	12,670	3,694	823
250 to 499 acres	-	6,453	3,162	7,962	1,939	518
500 to 999 acres	-	3,705	2,040	3,260	988	375
1,000 acres or more	-	1,070	770	645	287	262
Sugarbeets for sugar ... farms	507	-	-	-	-	-
acres	163,598	-	-	-	-	-
tons	5,631,170	-	-	-	-	-
Irrigated ... farms	507	-	-	-	-	-
acres	163,598	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	20	-	-	-	-	-
25 to 99 acres	130	-	-	-	-	-
100 to 249 acres	164	-	-	-	-	-
250 to 499 acres	107	-	-	-	-	-
500 to 999 acres	50	-	-	-	-	-
1,000 acres or more	36	-	-	-	-	-
Sugarcane for sugar ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Irrigated ... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	-	-	-	-	-	-
250 to 499 acres	-	-	-	-	-	-
500 to 999 acres	-	-	-	-	-	-
1,000 acres or more	-	-	-	-	-	-
Sunflower seed, all ... farms	1	46	2	5	681	14
acres	(D)	3,217	(D)	667	156,378	82
pounds	(D)	4,356,557	(D)	631,300	220,194,520	40,100
Irrigated ... farms	1	1	1	-	161	-
acres	(D)	(D)	(D)	-	27,853	-
Farms by acres harvested:						
1 to 24 acres	1	30	2	2	28	14
25 to 99 acres	-	8	-	1	231	-
100 to 249 acres	-	6	-	1	235	-
250 to 499 acres	-	-	-	1	108	-
500 to 999 acres	-	1	-	-	67	-
1,000 acres or more	-	1	-	-	12	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Peanuts for nuts	farms	8	-	-	-	-	-
	acres	(D)	-	-	-	-	-
	pounds	(D)	-	-	-	-	-
Irrigated	farms	3	-	-	-	-	-
	acres	(D)	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		4	-	-	-	-	-
25 to 99 acres		1	-	-	-	-	-
100 to 249 acres		1	-	-	-	-	-
250 to 499 acres		2	-	-	-	-	-
500 to 999 acres		-	-	-	-	-	-
1,000 acres or more		-	-	-	-	-	-
Pineapples harvested	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
	tons	-	-	-	-	-	-
Irrigated	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		-	-	-	-	-	-
25 to 99 acres		-	-	-	-	-	-
100 to 249 acres		-	-	-	-	-	-
250 acres or more		-	-	-	-	-	-
Rice	farms	848	-	-	-	-	-
	acres	377,115	-	-	-	-	-
	cwt	23,122,031	-	-	-	-	-
Irrigated	farms	848	-	-	-	-	-
	acres	377,115	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		31	-	-	-	-	-
25 to 99 acres		158	-	-	-	-	-
100 to 249 acres		171	-	-	-	-	-
250 to 499 acres		203	-	-	-	-	-
500 to 999 acres		202	-	-	-	-	-
1,000 acres or more		83	-	-	-	-	-
Sorghum for grain	farms	615	-	79	-	26	3
	acres	245,384	-	4,895	-	658	36
	bushels	22,397,992	-	217,697	-	41,825	360
Irrigated	farms	85	-	5	-	3	-
	acres	19,684	-	40	-	(D)	-
Farms by acres harvested:							
1 to 24 acres		40	-	26	-	19	3
25 to 99 acres		96	-	36	-	5	-
100 to 249 acres		144	-	15	-	2	-
250 to 499 acres		154	-	2	-	-	-
500 to 999 acres		124	-	-	-	-	-
1,000 acres or more		57	-	-	-	-	-
Soybeans for beans	farms	1,455	14	2,158	5	10,461	27,040
	acres	593,815	766	386,604	247	1,715,427	6,273,919
	bushels	24,717,263	22,570	10,381,954	10,530	67,515,728	259,891,979
Irrigated	farms	321	-	189	-	497	723
	acres	95,413	-	20,663	-	66,556	92,688
Farms by acres harvested:							
1 to 24 acres		117	3	437	1	1,938	2,332
25 to 99 acres		271	8	790	3	4,183	8,633
100 to 249 acres		371	3	479	1	2,426	7,917
250 to 499 acres		298	-	254	-	1,116	4,868
500 to 999 acres		259	-	145	-	606	2,551
1,000 acres or more		139	-	53	-	192	739
Sugarbeets for sugar	farms	-	-	-	-	737	1,247
	acres	-	-	-	-	150,054	485,650
	tons	-	-	-	-	3,532,941	11,432,253
Irrigated	farms	-	-	-	-	36	25
	acres	-	-	-	-	3,018	5,211
Farms by acres harvested:							
1 to 24 acres		-	-	-	-	38	16
25 to 99 acres		-	-	-	-	228	155
100 to 249 acres		-	-	-	-	281	342
250 to 499 acres		-	-	-	-	133	413
500 to 999 acres		-	-	-	-	43	254
1,000 acres or more		-	-	-	-	14	67
Sugarcane for sugar	farms	461	-	-	-	-	-
	acres	405,433	-	-	-	-	-
	tons	14,086,448	-	-	-	-	-
Irrigated	farms	1	-	-	-	-	-
	acres	(D)	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		43	-	-	-	-	-
25 to 99 acres		49	-	-	-	-	-
100 to 249 acres		26	-	-	-	-	-
250 to 499 acres		61	-	-	-	-	-
500 to 999 acres		128	-	-	-	-	-
1,000 acres or more		154	-	-	-	-	-
Sunflower seed, all	farms	1	1	22	1	67	505
	acres	(D)	(D)	596	(D)	5,888	126,552
	pounds	(D)	(D)	614,150	(D)	7,206,293	190,298,028
Irrigated	farms	-	1	4	-	2	6
	acres	-	(D)	(D)	-	(D)	392
Farms by acres harvested:							
1 to 24 acres		1	1	19	-	24	29
25 to 99 acres		-	-	-	1	29	95
100 to 249 acres		-	-	3	-	7	197
250 to 499 acres		-	-	-	-	2	120
500 to 999 acres		-	-	-	-	5	57
1,000 acres or more		-	-	-	-	-	7

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Peanuts for nuts	farms	85	1	-	-	-	-
	acres	17,781	(D)	-	-	-	-
	pounds	58,481,805	(D)	-	-	-	-
Irrigated	farms	11	-	-	-	-	-
	acres	(D)	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		35	1	-	-	-	-
25 to 99 acres		7	-	-	-	-	-
100 to 249 acres		12	-	-	-	-	-
250 to 499 acres		19	-	-	-	-	-
500 to 999 acres		9	-	-	-	-	-
1,000 acres or more		3	-	-	-	-	-
Pineapples harvested	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
	tons	-	-	-	-	-	-
Irrigated	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		-	-	-	-	-	-
25 to 99 acres		-	-	-	-	-	-
100 to 249 acres		-	-	-	-	-	-
250 acres or more		-	-	-	-	-	-
Rice	farms	341	435	-	-	-	-
	acres	185,076	179,300	-	-	-	-
	cwt	13,313,823	12,266,645	-	-	-	-
Irrigated	farms	341	435	-	-	-	-
	acres	185,076	179,300	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		5	9	-	-	-	-
25 to 99 acres		40	76	-	-	-	-
100 to 249 acres		81	135	-	-	-	-
250 to 499 acres		73	89	-	-	-	-
500 to 999 acres		88	83	-	-	-	-
1,000 acres or more		54	43	-	-	-	-
Sorghum for grain	farms	302	1,085	-	1,901	1	-
	acres	116,901	105,483	-	236,607	(D)	-
	bushels	9,815,654	9,922,598	-	22,177,229	(D)	-
Irrigated	farms	81	54	-	299	1	-
	acres	23,194	3,293	-	19,445	(D)	-
Farms by acres harvested:							
1 to 24 acres		20	219	-	230	-	-
25 to 99 acres		49	510	-	908	1	-
100 to 249 acres		75	278	-	528	-	-
250 to 499 acres		75	59	-	180	-	-
500 to 999 acres		62	16	-	45	-	-
1,000 acres or more		21	3	-	10	-	-
Soybeans for beans	farms	2,589	18,388	8	16,620	-	-
	acres	1,431,085	4,672,738	409	3,834,855	-	-
	bushels	54,316,854	165,947,323	16,084	189,547,373	-	-
Irrigated	farms	811	1,249	7	8,088	-	-
	acres	483,004	365,094	(D)	1,570,110	-	-
Farms by acres harvested:							
1 to 24 acres		232	2,502	3	985	-	-
25 to 99 acres		541	6,391	3	4,845	-	-
100 to 249 acres		522	4,101	2	5,450	-	-
250 to 499 acres		395	2,644	-	3,483	-	-
500 to 999 acres		425	1,831	-	1,520	-	-
1,000 acres or more		474	919	-	337	-	-
Sugarbeets for sugar	farms	-	-	220	162	-	-
	acres	-	-	47,533	44,938	-	-
	tons	-	-	1,174,370	1,064,504	-	-
Irrigated	farms	-	-	220	162	-	-
	acres	-	-	47,533	44,938	-	-
Farms by acres harvested:							
1 to 24 acres		-	-	11	3	-	-
25 to 99 acres		-	-	58	43	-	-
100 to 249 acres		-	-	88	57	-	-
250 to 499 acres		-	-	48	37	-	-
500 to 999 acres		-	-	11	14	-	-
1,000 acres or more		-	-	4	8	-	-
Sugarcane for sugar	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
	tons	-	-	-	-	-	-
Irrigated	farms	-	-	-	-	-	-
	acres	-	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres		-	-	-	-	-	-
25 to 99 acres		-	-	-	-	-	-
100 to 249 acres		-	-	-	-	-	-
250 to 499 acres		-	-	-	-	-	-
500 to 999 acres		-	-	-	-	-	-
1,000 acres or more		-	-	-	-	-	-
Sunflower seed, all	farms	1	28	17	222	-	-
	acres	(D)	1,963	3,410	47,575	-	-
	pounds	(D)	2,456,340	3,787,068	61,133,340	-	-
Irrigated	farms	-	-	6	104	-	-
	acres	-	-	1,266	15,362	-	-
Farms by acres harvested:							
1 to 24 acres		1	11	-	7	-	-
25 to 99 acres		-	9	2	54	-	-
100 to 249 acres		-	8	12	92	-	-
250 to 499 acres		-	-	2	44	-	-
500 to 999 acres		-	-	1	24	-	-
1,000 acres or more		-	-	-	1	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Peanuts for nuts ..... farms	-	29	-	699	-	-
acres	-	10,305	-	89,029	-	-
pounds	-	31,988,642	-	250,970,518	-	-
Irrigated ..... farms	-	29	-	94	-	-
acres	-	10,305	-	8,587	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	177	-	-
25 to 99 acres	-	5	-	215	-	-
100 to 249 acres	-	14	-	210	-	-
250 to 499 acres	-	4	-	73	-	-
500 to 999 acres	-	2	-	18	-	-
1,000 acres or more	-	4	-	6	-	-
Pineapples harvested ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Irrigated ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	-	-	-	-	-	-
250 acres or more	-	-	-	-	-	-
Rice ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
cwt	-	-	-	-	-	-
Irrigated ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	-	-	-	-	-	-
250 to 499 acres	-	-	-	-	-	-
500 to 999 acres	-	-	-	-	-	-
1,000 acres or more	-	-	-	-	-	-
Sorghum for grain ..... farms	12	217	26	210	-	16
acres	614	73,048	717	8,635	-	1,203
bushels	33,018	2,806,719	35,804	394,040	-	50,854
Irrigated ..... farms	-	92	-	20	-	-
acres	-	12,329	-	434	-	-
Farms by acres harvested:						
1 to 24 acres	5	24	12	100	-	5
25 to 99 acres	4	39	13	92	-	5
100 to 249 acres	3	60	1	15	-	5
250 to 499 acres	-	49	-	2	-	1
500 to 999 acres	-	29	-	1	-	-
1,000 acres or more	-	16	-	-	-	-
Soybeans for beans ..... farms	524	1	1,347	6,896	5,779	23,892
acres	79,218	(D)	199,775	1,380,792	3,073,981	4,236,337
bushels	2,443,231	(D)	7,456,657	29,142,115	106,556,290	191,559,567
Irrigated ..... farms	55	-	2	325	85	12
acres	4,730	-	(D)	13,830	12,513	1,056
Farms by acres harvested:						
1 to 24 acres	114	-	282	1,567	129	4,529
25 to 99 acres	184	1	531	2,295	762	8,945
100 to 249 acres	123	-	319	1,409	1,383	5,323
250 to 499 acres	69	-	121	854	1,363	2,971
500 to 999 acres	26	-	71	557	1,322	1,656
1,000 acres or more	8	-	23	214	820	468
Sugarbeets for sugar ..... farms	-	-	-	-	553	-
acres	-	-	-	-	245,735	-
tons	-	-	-	-	5,695,862	-
Irrigated ..... farms	-	-	-	-	49	-
acres	-	-	-	-	14,068	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	8	-
25 to 99 acres	-	-	-	-	71	-
100 to 249 acres	-	-	-	-	127	-
250 to 499 acres	-	-	-	-	180	-
500 to 999 acres	-	-	-	-	125	-
1,000 acres or more	-	-	-	-	42	-
Sugarcane for sugar ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
tons	-	-	-	-	-	-
Irrigated ..... farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres	-	-	-	-	-	-
25 to 99 acres	-	-	-	-	-	-
100 to 249 acres	-	-	-	-	-	-
250 to 499 acres	-	-	-	-	-	-
500 to 999 acres	-	-	-	-	-	-
1,000 acres or more	-	-	-	-	-	-
Sunflower seed, all ..... farms	2	2	28	29	3,000	4
acres	(D)	(D)	357	402	1,054,584	102
pounds	(D)	(D)	367,672	383,562	1,496,184,686	143,800
Irrigated ..... farms	1	2	-	-	7	-
acres	(D)	(D)	-	-	1,065	-
Farms by acres harvested:						
1 to 24 acres	2	2	22	25	39	2
25 to 99 acres	-	-	6	2	396	2
100 to 249 acres	-	-	-	2	1,042	-
250 to 499 acres	-	-	-	-	900	-
500 to 999 acres	-	-	-	-	450	-
1,000 acres or more	-	-	-	-	173	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Peanuts for nuts ....farms	148	-	-	-	327
acres	16,319	-	-	-	56,332
pounds	55,039,635	-	-	-	178,352,360
Irrigated ....farms	113	-	-	-	78
acres	11,821	-	-	-	8,265
Farms by acres harvested:					
1 to 24 acres	20	-	-	-	70
25 to 99 acres	65	-	-	-	73
100 to 249 acres	49	-	-	-	106
250 to 499 acres	11	-	-	-	59
500 to 999 acres	3	-	-	-	17
1,000 acres or more	-	-	-	-	2
Pineapples harvested ....farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Irrigated ....farms	-	-	-	-	-
acres	-	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	-	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 acres or more	-	-	-	-	-
Rice ....farms	3	-	-	-	-
acres	(D)	-	-	-	-
cwt	(D)	-	-	-	-
Irrigated ....farms	3	-	-	-	-
acres	(D)	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	3	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 to 499 acres	-	-	-	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	-	-	-	-	-
Sorghum for grain ....farms	966	3	117	-	91
acres	219,883	87	3,155	-	5,996
bushels	11,682,402	8,189	177,639	-	210,854
Irrigated ....farms	137	3	-	-	3
acres	21,043	87	-	-	(D)
Farms by acres harvested:					
1 to 24 acres	82	1	80	-	48
25 to 99 acres	298	2	33	-	24
100 to 249 acres	302	-	3	-	12
250 to 499 acres	182	-	1	-	7
500 to 999 acres	74	-	-	-	-
1,000 acres or more	28	-	-	-	-
Soybeans for beans ....farms	813	2	6,374	-	1,920
acres	180,878	(D)	431,053	-	442,461
bushels	4,559,245	(D)	17,386,829	-	7,833,696
Irrigated ....farms	89	2	11	-	106
acres	12,497	(D)	(D)	-	8,943
Farms by acres harvested:					
1 to 24 acres	77	1	2,674	-	344
25 to 99 acres	298	1	2,583	-	597
100 to 249 acres	221	-	786	-	458
250 to 499 acres	112	-	234	-	258
500 to 999 acres	79	-	82	-	178
1,000 acres or more	26	-	15	-	85
Sugarbeets for sugar ....farms	-	73	-	-	-
acres	-	11,232	-	-	-
tons	-	346,233	-	-	-
Irrigated ....farms	-	73	-	-	-
acres	-	11,232	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	4	-	-	-
25 to 99 acres	-	34	-	-	-
100 to 249 acres	-	26	-	-	-
250 to 499 acres	-	7	-	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	-	2	-	-	-
Sugarcane for sugar ....farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Irrigated ....farms	-	-	-	-	-
acres	-	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	-	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 to 499 acres	-	-	-	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	-	-	-	-	-
Sunflower seed, all ....farms	20	13	32	-	39
acres	3,626	611	660	-	764
pounds	6,574,767	427,968	405,407	-	249,094
Irrigated ....farms	4	11	1	-	-
acres	1,956	483	(D)	-	-
Farms by acres harvested:					
1 to 24 acres	3	8	26	-	30
25 to 99 acres	8	2	5	-	7
100 to 249 acres	5	2	-	-	2
250 to 499 acres	3	1	1	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	1	-	-	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Peanuts for nuts ..... farms	-	19	784	-	-
acres	-	23	192,291	-	-
pounds	-	14,610	699,723,146	-	-
Irrigated ..... farms	-	1	666	-	-
acres	-	(D)	156,066	-	-
Farms by acres harvested:					
1 to 24 acres	-	19	49	-	-
25 to 99 acres	-	-	198	-	-
100 to 249 acres	-	-	305	-	-
250 to 499 acres	-	-	140	-	-
500 to 999 acres	-	-	71	-	-
1,000 acres or more	-	-	21	-	-
Pineapples harvested ..... farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Irrigated ..... farms	-	-	-	-	-
acres	-	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	-	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 acres or more	-	-	-	-	-
Rice ..... farms	-	6	385	-	-
acres	-	2,317	145,006	-	-
cwt	-	240,029	9,472,871	-	-
Irrigated ..... farms	-	6	385	-	-
acres	-	2,317	145,006	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	4	-	-
25 to 99 acres	-	-	49	-	-
100 to 249 acres	-	2	124	-	-
250 to 499 acres	-	3	118	-	-
500 to 999 acres	-	1	68	-	-
1,000 acres or more	-	-	22	-	-
Sorghum for grain ..... farms	394	72	5,975	2	1
acres	129,413	10,107	2,427,580	(D)	(D)
bushels	7,732,205	831,540	153,531,033	(D)	(D)
Irrigated ..... farms	2	2	1,938	2	-
acres	(D)	(D)	480,510	(D)	-
Farms by acres harvested:					
1 to 24 acres	29	14	313	2	-
25 to 99 acres	100	25	1,327	-	1
100 to 249 acres	122	19	1,614	-	-
250 to 499 acres	85	12	1,239	-	-
500 to 999 acres	30	2	935	-	-
1,000 acres or more	28	-	547	-	-
Soybeans for beans ..... farms	9,862	2,967	371	-	21
acres	3,222,872	976,011	93,453	-	2,011
bushels	130,377,538	18,552,793	3,439,765	-	75,318
Irrigated ..... farms	348	37	86	-	-
acres	52,661	4,077	16,269	-	-
Farms by acres harvested:					
1 to 24 acres	363	403	31	-	7
25 to 99 acres	2,188	827	96	-	10
100 to 249 acres	3,131	614	123	-	3
250 to 499 acres	2,377	481	78	-	-
500 to 999 acres	1,284	400	27	-	-
1,000 acres or more	519	242	16	-	1
Sugarbeets for sugar ..... farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Irrigated ..... farms	-	-	-	-	-
acres	-	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	-	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 to 499 acres	-	-	-	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	-	-	-	-	-
Sugarcane for sugar ..... farms	-	-	114	-	-
acres	-	-	(D)	-	-
tons	-	-	(D)	-	-
Irrigated ..... farms	-	-	104	-	-
acres	-	-	(D)	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	3	-	-
25 to 99 acres	-	-	20	-	-
100 to 249 acres	-	-	42	-	-
250 to 499 acres	-	-	21	-	-
500 to 999 acres	-	-	19	-	-
1,000 acres or more	-	-	9	-	-
Sunflower seed, all ..... farms	910	8	118	12	2
acres	400,181	23	35,309	5,332	(D)
pounds	613,668,505	20,500	45,693,688	2,460,696	(D)
Irrigated ..... farms	10	-	63	4	-
acres	831	-	12,806	75	-
Farms by acres harvested:					
1 to 24 acres	18	8	10	2	2
25 to 99 acres	155	-	16	2	-
100 to 249 acres	301	-	46	2	-
250 to 499 acres	202	-	21	3	-
500 to 999 acres	145	-	20	2	-
1,000 acres or more	89	-	5	1	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Peanuts for nuts ....farms	180	-	-	-	-
acres	21,631	-	-	-	-
pounds	52,797,144	-	-	-	-
Irrigated ....farms	17	-	-	-	-
acres	1,193	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	25	-	-	-	-
25 to 99 acres	61	-	-	-	-
100 to 249 acres	72	-	-	-	-
250 to 499 acres	20	-	-	-	-
500 to 999 acres	2	-	-	-	-
1,000 acres or more	-	-	-	-	-
Pineapples harvested ....farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Irrigated ....farms	-	-	-	-	-
acres	-	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	-	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 acres or more	-	-	-	-	-
Rice ....farms	-	-	-	-	-
acres	-	-	-	-	-
cwt	-	-	-	-	-
Irrigated ....farms	-	-	-	-	-
acres	-	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	-	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 to 499 acres	-	-	-	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	-	-	-	-	-
Sorghum for grain ....farms	43	-	3	11	-
acres	1,497	-	(D)	242	-
bushels	63,521	-	(D)	12,774	-
Irrigated ....farms	1	-	-	-	-
acres	(D)	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	27	-	2	9	-
25 to 99 acres	15	-	1	2	-
100 to 249 acres	-	-	-	-	-
250 to 499 acres	1	-	-	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	-	-	-	-	-
Soybeans for beans ....farms	2,104	8	115	14,513	-
acres	490,396	725	13,717	1,363,124	-
bushels	12,624,547	27,781	480,186	54,701,222	-
Irrigated ....farms	90	5	-	227	-
acres	8,007	385	-	24,855	-
Farms by acres harvested:					
1 to 24 acres	409	1	26	3,799	-
25 to 99 acres	667	4	41	7,039	-
100 to 249 acres	444	3	35	2,508	-
250 to 499 acres	279	-	6	776	-
500 to 999 acres	211	-	7	307	-
1,000 acres or more	94	-	-	84	-
Sugarbeets for sugar ....farms	-	3	-	-	139
acres	-	2,076	-	-	30,782
tons	-	80,206	-	-	675,601
Irrigated ....farms	-	3	-	-	139
acres	-	2,076	-	-	30,782
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	7
25 to 99 acres	-	-	-	-	36
100 to 249 acres	-	-	-	-	55
250 to 499 acres	-	-	-	-	26
500 to 999 acres	-	3	-	-	14
1,000 acres or more	-	-	-	-	1
Sugarcane for sugar ....farms	-	-	-	-	-
acres	-	-	-	-	-
tons	-	-	-	-	-
Irrigated ....farms	-	-	-	-	-
acres	-	-	-	-	-
Farms by acres harvested:					
1 to 24 acres	-	-	-	-	-
25 to 99 acres	-	-	-	-	-
100 to 249 acres	-	-	-	-	-
250 to 499 acres	-	-	-	-	-
500 to 999 acres	-	-	-	-	-
1,000 acres or more	-	-	-	-	-
Sunflower seed, all ....farms	24	4	4	78	21
acres	137	(D)	8	3,722	4,668
pounds	79,944	61,858	1,500	4,449,621	3,292,514
Irrigated ....farms	2	2	-	-	9
acres	(D)	(D)	-	-	843
Farms by acres harvested:					
1 to 24 acres	23	3	4	33	2
25 to 99 acres	1	1	-	35	7
100 to 249 acres	-	-	-	9	5
250 to 499 acres	-	-	-	-	3
500 to 999 acres	-	-	-	1	4
1,000 acres or more	-	-	-	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		United States	Alabama	Alaska	Arizona	Arkansas	California
Tobacco	farms	16,234	-	-	-	-	-
	acres	359,846	-	-	-	-	-
	pounds	778,301,825	-	-	-	-	-
Irrigated	farms	2,572	-	-	-	-	-
	acres	71,578	-	-	-	-	-
Farms by acres harvested:							
0.1 to 0.9 acres		235	-	-	-	-	-
1.0 to 1.9 acres		1,493	-	-	-	-	-
2.0 to 2.9 acres		1,827	-	-	-	-	-
3.0 to 4.9 acres		2,772	-	-	-	-	-
5.0 to 9.9 acres		3,459	-	-	-	-	-
10.0 to 24.9 acres		3,129	-	-	-	-	-
25.0 to 49.9 acres		1,343	-	-	-	-	-
50.0 acres or more		1,976	-	-	-	-	-
50.0 to 74.9 acres		699	-	-	-	-	-
75.0 to 99.9 acres		406	-	-	-	-	-
100.0 acres or more		871	-	-	-	-	-
Wheat for grain, all	farms	160,810	520	-	201	2,112	1,191
	acres	50,932,969	76,202	-	85,567	696,681	354,165
	bushels	1,993,648,378	3,123,596	-	8,715,906	27,859,060	30,224,394
Irrigated	farms	15,213	13	-	201	199	1,000
	acres	3,364,079	1,116	-	85,567	65,896	300,284
Farms by acres harvested:							
1 to 24 acres		26,703	109	-	5	108	79
25 to 99 acres		49,409	202	-	26	496	327
100 to 249 acres		34,703	112	-	65	554	383
250 to 499 acres		21,167	65	-	50	520	231
500 to 999 acres		15,789	26	-	32	315	108
1,000 acres or more		13,039	6	-	23	119	63
Vegetables harvested for sale (see text)	farms	69,172	1,603	96	2,565	804	3,868
	acres	4,682,588	18,868	1,184	137,574	14,146	1,169,786
Farms by acres harvested:							
0.1 to 4.9 acres		41,178	1,106	67	2,028	564	1,629
5.0 to 24.9 acres		14,059	383	18	426	172	702
25.0 to 99.9 acres		6,666	80	8	25	40	349
100.0 to 249.9 acres		3,451	27	3	19	17	341
250.0 to 499.9 acres		1,791	5	-	23	5	288
500.0 acres or more		2,027	2	-	44	6	559
500.0 to 749.9 acres		720	-	-	6	4	153
750.0 to 999.9 acres		360	-	-	7	1	100
1,000.0 acres or more		947	2	-	31	1	306
Land in orchards	farms	115,935	1,897	10	1,527	666	39,484
	acres	5,039,476	22,122	18	37,200	13,932	2,826,291
Irrigated	farms	61,189	238	2	1,259	147	32,908
	acres	3,981,316	1,926	(D)	37,022	1,432	2,728,176
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres		52,775	945	9	1,151	346	12,951
5.0 to 24.9 acres		37,043	729	1	234	225	13,464
25.0 to 99.9 acres		17,119	197	-	85	62	7,881
100.0 to 249.9 acres		5,434	22	-	31	26	2,923
250.0 to 499.9 acres		2,026	4	-	9	4	1,303
500.0 acres or more		1,538	-	-	17	3	962
500.0 to 749.9 acres		665	-	-	3	2	415
750.0 to 999.9 acres		265	-	-	5	-	178
1,000.0 acres or more		608	-	-	9	1	369

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Tobacco ... farms	-	76	-	23	224	-
acres	-	3,128	-	1,040	17,989	-
pounds	-	5,293,517	-	3,061,788	39,810,076	-
Irrigated ... farms	-	26	-	15	141	-
acres	-	1,600	-	714	9,006	-
Farms by acres harvested:						
0.1 to 0.9 acres	-	-	-	-	3	-
1.0 to 1.9 acres	-	1	-	1	2	-
2.0 to 2.9 acres	-	6	-	-	2	-
3.0 to 4.9 acres	-	16	-	-	2	-
5.0 to 9.9 acres	-	7	-	1	7	-
10.0 to 24.9 acres	-	16	-	4	34	-
25.0 to 49.9 acres	-	16	-	13	50	-
50.0 acres or more	-	14	-	4	124	-
50.0 to 74.9 acres	-	2	-	-	45	-
75.0 to 99.9 acres	-	5	-	1	25	-
100.0 acres or more	-	7	-	3	54	-
Wheat for grain, all ... farms	3,695	3	340	79	1,332	-
acres	2,369,096	55	54,546	9,157	228,959	-
bushels	88,427,841	2,300	3,635,755	497,844	9,206,001	-
Irrigated ... farms	1,063	1	88	3	268	-
acres	164,702	(D)	10,541	(D)	32,440	-
Farms by acres harvested:						
1 to 24 acres	200	3	60	10	175	-
25 to 99 acres	739	-	121	34	461	-
100 to 249 acres	754	-	89	26	437	-
250 to 499 acres	595	-	48	7	163	-
500 to 999 acres	642	-	17	2	73	-
1,000 acres or more	765	-	5	-	23	-
Vegetables harvested for sale (see text) ... farms	708	735	233	1,493	1,445	901
acres	97,251	10,514	40,088	265,835	128,720	6,845
Farms by acres harvested:						
0.1 to 4.9 acres	354	477	76	743	619	731
5.0 to 24.9 acres	75	184	35	324	367	130
25.0 to 99.9 acres	85	54	47	134	208	34
100.0 to 249.9 acres	86	12	35	92	122	4
250.0 to 499.9 acres	53	4	21	77	71	-
500.0 acres or more	55	4	19	123	58	2
500.0 to 749.9 acres	23	4	9	45	21	-
750.0 to 999.9 acres	11	-	2	16	10	-
1,000.0 acres or more	21	-	8	62	27	2
Land in orchards ... farms	877	338	32	8,993	3,745	4,443
acres	6,986	3,672	524	677,403	129,921	36,652
Irrigated ... farms	877	55	13	5,789	897	1,134
acres	6,986	391	(D)	597,775	57,565	9,830
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	568	194	26	3,156	1,470	3,316
5.0 to 24.9 acres	256	107	3	3,520	1,623	997
25.0 to 99.9 acres	45	32	1	1,482	468	101
100.0 to 249.9 acres	6	4	1	464	93	16
250.0 to 499.9 acres	2	1	1	166	39	4
500.0 acres or more	-	-	-	205	52	9
500.0 to 749.9 acres	-	-	-	64	22	5
750.0 to 999.9 acres	-	-	-	25	10	1
1,000.0 acres or more	-	-	-	116	20	3

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Tobacco	farms	-	13	267	-	-	8,113
	acres	-	827	2,174	-	-	87,641
	pounds	-	1,656,819	4,525,089	-	-	196,259,377
Irrigated	farms	-	1	9	-	-	999
	acres	-	(D)	219	-	-	13,999
Farms by acres harvested:							
0.1 to 0.9 acres		-	-	2	-	-	124
1.0 to 1.9 acres		-	-	36	-	-	833
2.0 to 2.9 acres		-	-	48	-	-	1,060
3.0 to 4.9 acres		-	-	70	-	-	1,628
5.0 to 9.9 acres		-	2	50	-	-	1,991
10.0 to 24.9 acres		-	4	39	-	-	1,687
25.0 to 49.9 acres		-	1	18	-	-	497
50.0 acres or more		-	6	4	-	-	293
50.0 to 74.9 acres		-	4	2	-	-	157
75.0 to 99.9 acres		-	-	2	-	-	64
100.0 acres or more		-	2	-	-	-	72
Wheat for grain, all	farms	2,850	9,416	5,058	577	22,630	1,414
	acres	1,191,086	891,567	362,571	29,512	8,527,780	239,267
	bushels	84,614,401	47,291,213	19,693,426	1,383,753	270,115,386	11,108,925
Irrigated	farms	1,908	94	89	9	2,123	2
	acres	529,424	8,119	6,960	(D)	517,995	(D)
Farms by acres harvested:							
1 to 24 acres		323	2,452	1,688	246	1,571	374
25 to 99 acres		824	4,120	2,341	251	5,779	424
100 to 249 acres		629	2,043	784	73	5,594	322
250 to 499 acres		396	620	171	6	4,193	171
500 to 999 acres		347	158	63	1	3,326	94
1,000 acres or more		331	23	11	-	2,167	29
Vegetables harvested for sale (see text)	farms	1,137	1,377	1,363	881	473	2,123
	acres	377,062	71,371	35,503	9,544	8,976	7,776
Farms by acres harvested:							
0.1 to 4.9 acres		237	725	908	641	350	1,674
5.0 to 24.9 acres		93	207	258	168	80	415
25.0 to 99.9 acres		222	261	97	50	20	32
100.0 to 249.9 acres		219	116	68	18	12	2
250.0 to 499.9 acres		155	53	22	3	7	-
500.0 acres or more		211	15	10	1	4	-
500.0 to 749.9 acres		82	8	4	1	1	-
750.0 to 999.9 acres		36	2	4	-	3	-
1,000.0 acres or more		93	5	2	-	-	-
Land in orchards	farms	485	871	546	743	432	1,040
	acres	7,682	6,032	3,843	2,724	7,162	3,861
Irrigated	farms	404	55	45	62	63	117
	acres	7,556	436	342	153	322	364
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres		350	632	383	616	250	848
5.0 to 24.9 acres		100	198	131	113	119	161
25.0 to 99.9 acres		27	33	26	13	52	30
100.0 to 249.9 acres		3	5	6	1	8	1
250.0 to 499.9 acres		4	3	-	-	2	-
500.0 acres or more		1	-	-	-	1	-
500.0 to 749.9 acres		-	-	-	-	-	-
750.0 to 999.9 acres		-	-	-	-	-	-
1,000.0 acres or more		1	-	-	-	1	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Tobacco ... farms	-	-	70	60	-	-
acres	-	-	423	1,324	-	-
pounds	-	-	842,793	2,328,982	-	-
Irrigated ... farms	-	-	44	18	-	-
acres	-	-	246	310	-	-
Farms by acres harvested:						
0.1 to 0.9 acres	-	-	5	1	-	-
1.0 to 1.9 acres	-	-	2	3	-	-
2.0 to 2.9 acres	-	-	7	1	-	-
3.0 to 4.9 acres	-	-	13	7	-	-
5.0 to 9.9 acres	-	-	32	13	-	-
10.0 to 24.9 acres	-	-	10	16	-	-
25.0 to 49.9 acres	-	-	1	11	-	-
50.0 acres or more	-	-	-	8	-	-
50.0 to 74.9 acres	-	-	-	6	-	-
75.0 to 99.9 acres	-	-	-	1	-	-
100.0 acres or more	-	-	-	1	-	-
Wheat for grain, all ... farms	815	13	1,497	7	6,263	6,727
acres	215,177	512	166,713	(D)	523,153	1,718,565
bushels	11,502,018	22,474	10,717,293	(D)	33,583,908	82,488,109
Irrigated ... farms	44	1	64	2	122	93
acres	7,652	(D)	4,631	(D)	6,420	8,731
Farms by acres harvested:						
1 to 24 acres	40	5	418	6	1,734	1,082
25 to 99 acres	192	7	580	1	2,949	2,393
100 to 249 acres	258	1	325	-	1,179	1,356
250 to 499 acres	218	-	125	-	313	825
500 to 999 acres	77	-	40	-	70	686
1,000 acres or more	30	-	9	-	18	385
Vegetables harvested for sale (see text) ... farms	759	968	931	1,001	2,878	2,720
acres	18,912	66,783	33,447	15,764	174,685	247,099
Farms by acres harvested:						
0.1 to 4.9 acres	514	579	504	629	1,464	806
5.0 to 24.9 acres	153	155	240	225	698	368
25.0 to 99.9 acres	54	63	101	112	377	918
100.0 to 249.9 acres	18	85	58	28	172	448
250.0 to 499.9 acres	17	61	17	5	90	109
500.0 acres or more	3	25	11	2	77	71
500.0 to 749.9 acres	-	12	5	1	41	32
750.0 to 999.9 acres	2	3	2	1	10	18
1,000.0 acres or more	1	10	4	-	26	21
Land in orchards ... farms	1,050	374	472	458	2,712	814
acres	18,201	3,015	4,542	5,416	115,284	4,979
Irrigated ... farms	149	37	90	86	530	128
acres	1,816	101	899	766	10,897	612
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	445	260	334	279	1,030	590
5.0 to 24.9 acres	438	94	110	121	848	187
25.0 to 99.9 acres	131	16	17	49	533	33
100.0 to 249.9 acres	27	3	8	9	206	4
250.0 to 499.9 acres	7	1	3	-	66	-
500.0 acres or more	2	-	-	-	29	-
500.0 to 749.9 acres	1	-	-	-	21	-
750.0 to 999.9 acres	1	-	-	-	3	-
1,000.0 acres or more	-	-	-	-	5	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Tobacco	farms	-	111	-	-	-	-
	acres	-	1,577	-	-	-	-
	pounds	-	3,557,585	-	-	-	-
Irrigated	farms	-	4	-	-	-	-
	acres	-	(D)	-	-	-	-
Farms by acres harvested:							
0.1 to 0.9 acres		-	-	-	-	-	-
1.0 to 1.9 acres		-	23	-	-	-	-
2.0 to 2.9 acres		-	21	-	-	-	-
3.0 to 4.9 acres		-	9	-	-	-	-
5.0 to 9.9 acres		-	13	-	-	-	-
10.0 to 24.9 acres		-	32	-	-	-	-
25.0 to 49.9 acres		-	6	-	-	-	-
50.0 acres or more		-	7	-	-	-	-
50.0 to 74.9 acres		-	3	-	-	-	-
75.0 to 99.9 acres		-	3	-	-	-	-
100.0 acres or more		-	1	-	-	-	-
Wheat for grain, all	farms	1,006	7,640	5,460	8,037	42	1
	acres	331,767	881,227	5,059,916	1,964,302	12,826	(D)
	bushels	18,175,120	36,293,751	147,533,888	81,748,076	1,279,268	(D)
Irrigated	farms	64	194	897	1,711	42	-
	acres	10,698	40,715	161,697	256,119	12,826	-
Farms by acres harvested:							
1 to 24 acres		75	1,666	136	802	1	1
25 to 99 acres		217	3,337	627	2,733	26	-
100 to 249 acres		294	1,714	946	2,194	11	-
250 to 499 acres		203	661	818	1,213	1	-
500 to 999 acres		149	203	1,159	734	1	-
1,000 acres or more		68	59	1,774	361	2	-
Vegetables harvested for sale (see text)	farms	1,156	1,335	313	340	50	427
	acres	31,088	32,837	11,899	23,646	11,217	3,408
Farms by acres harvested:							
0.1 to 4.9 acres		752	987	209	237	29	311
5.0 to 24.9 acres		274	232	53	48	9	86
25.0 to 99.9 acres		67	63	7	24	3	25
100.0 to 249.9 acres		32	34	27	6	-	5
250.0 to 499.9 acres		14	9	14	12	4	-
500.0 acres or more		17	10	3	13	5	-
500.0 to 749.9 acres		7	2	2	4	3	-
750.0 to 999.9 acres		3	2	-	-	-	-
1,000.0 acres or more		7	6	1	9	2	-
Land in orchards	farms	937	1,345	389	339	79	263
	acres	15,948	22,447	1,491	1,500	460	2,285
Irrigated	farms	138	214	288	140	79	34
	acres	2,362	2,428	1,173	456	460	185
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres		480	790	304	251	55	187
5.0 to 24.9 acres		329	394	81	77	19	59
25.0 to 99.9 acres		94	118	4	11	5	14
100.0 to 249.9 acres		22	29	-	-	-	2
250.0 to 499.9 acres		10	5	-	-	-	1
500.0 acres or more		2	9	-	-	-	-
500.0 to 749.9 acres		1	8	-	-	-	-
750.0 to 999.9 acres		-	-	-	-	-	-
1,000.0 acres or more		1	1	-	-	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Tobacco ... farms	-	-	-	2,622	-	475
acres	-	-	-	170,083	-	3,499
pounds	-	-	-	365,958,031	-	6,811,760
Irrigated ... farms	-	-	-	742	-	2
acres	-	-	-	31,212	-	(D)
Farms by acres harvested:						
0.1 to 0.9 acres	-	-	-	21	-	7
1.0 to 1.9 acres	-	-	-	71	-	72
2.0 to 2.9 acres	-	-	-	77	-	86
3.0 to 4.9 acres	-	-	-	135	-	101
5.0 to 9.9 acres	-	-	-	235	-	99
10.0 to 24.9 acres	-	-	-	503	-	74
25.0 to 49.9 acres	-	-	-	443	-	35
50.0 acres or more	-	-	-	1,137	-	1
50.0 to 74.9 acres	-	-	-	331	-	1
75.0 to 99.9 acres	-	-	-	223	-	-
100.0 acres or more	-	-	-	583	-	-
Wheat for grain, all ... farms	318	535	1,058	3,184	12,303	11,485
acres	27,991	302,958	84,955	511,713	8,428,462	732,106
bushels	1,426,039	8,236,505	4,544,032	19,917,842	293,464,779	42,997,358
Irrigated ... farms	21	204	-	171	99	-
acres	1,174	61,986	-	6,560	15,978	-
Farms by acres harvested:						
1 to 24 acres	82	48	338	723	209	4,130
25 to 99 acres	148	83	454	1,142	1,260	5,238
100 to 249 acres	61	119	199	694	2,541	1,693
250 to 499 acres	22	108	51	411	2,761	358
500 to 999 acres	5	98	14	169	2,855	55
1,000 acres or more	-	79	2	45	2,677	11
Vegetables harvested for sale (see text) ... farms	1,456	1,743	3,192	3,740	224	2,873
acres	54,062	36,933	160,596	118,780	94,543	47,014
Farms by acres harvested:						
0.1 to 4.9 acres	804	1,264	1,643	2,358	71	1,904
5.0 to 24.9 acres	344	341	862	909	22	692
25.0 to 99.9 acres	166	71	389	262	12	189
100.0 to 249.9 acres	90	32	177	97	22	52
250.0 to 499.9 acres	33	23	65	50	39	23
500.0 acres or more	19	12	56	64	58	13
500.0 to 749.9 acres	7	3	17	27	16	9
750.0 to 999.9 acres	8	3	8	14	15	-
1,000.0 acres or more	4	6	31	23	27	4
Land in orchards ... farms	718	2,783	2,686	1,551	41	1,462
acres	10,537	43,859	100,035	13,724	118	10,367
Irrigated ... farms	177	2,450	393	294	7	115
acres	6,407	40,082	11,038	2,196	(D)	639
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres	497	1,937	902	1,050	36	1,047
5.0 to 24.9 acres	155	630	891	374	4	314
25.0 to 99.9 acres	44	155	650	100	1	87
100.0 to 249.9 acres	13	26	174	26	-	13
250.0 to 499.9 acres	4	17	56	1	-	1
500.0 acres or more	5	18	13	-	-	-
500.0 to 749.9 acres	5	11	7	-	-	-
750.0 to 999.9 acres	-	3	4	-	-	-
1,000.0 acres or more	-	4	2	-	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Tobacco	farms	-	-	1,152	-	260
	acres	-	-	7,886	-	20,084
	pounds	-	-	18,811,546	-	44,660,005
Irrigated	farms	-	-	27	-	17
	acres	-	-	132	-	688
Farms by acres harvested:						
0.1 to 0.9 acres		-	-	4	-	-
1.0 to 1.9 acres		-	-	29	-	4
2.0 to 2.9 acres		-	-	107	-	7
3.0 to 4.9 acres		-	-	259	-	2
5.0 to 9.9 acres		-	-	540	-	13
10.0 to 24.9 acres		-	-	200	-	51
25.0 to 49.9 acres		-	-	13	-	45
50.0 acres or more		-	-	-	-	138
50.0 to 74.9 acres		-	-	-	-	36
75.0 to 99.9 acres		-	-	-	-	29
100.0 acres or more		-	-	-	-	73
Wheat for grain, all	farms	8,744	1,406	4,577	-	726
	acres	3,421,098	855,052	152,528	-	136,766
	bushels	89,968,524	43,969,219	8,949,116	-	3,986,026
Irrigated	farms	522	524	-	-	47
	acres	134,620	89,923	-	-	3,342
Farms by acres harvested:						
1 to 24 acres		481	175	2,957	-	133
25 to 99 acres		2,120	380	1,282	-	232
100 to 249 acres		2,465	245	284	-	185
250 to 499 acres		1,586	177	45	-	113
500 to 999 acres		1,171	143	7	-	47
1,000 acres or more		921	286	2	-	16
Vegetables harvested for sale (see text)	farms	834	1,519	4,338	203	1,520
	acres	18,013	149,665	55,655	2,418	28,275
Farms by acres harvested:						
0.1 to 4.9 acres		624	833	2,693	138	1,019
5.0 to 24.9 acres		148	213	1,218	43	362
25.0 to 99.9 acres		38	191	322	18	95
100.0 to 249.9 acres		6	133	76	2	28
250.0 to 499.9 acres		10	77	21	2	8
500.0 acres or more		8	72	8	-	8
500.0 to 749.9 acres		3	32	6	-	1
750.0 to 999.9 acres		1	10	-	-	2
1,000.0 acres or more		4	30	2	-	5
Land in orchards	farms	4,036	4,004	2,686	100	1,125
	acres	143,892	99,614	46,560	580	22,185
Irrigated	farms	352	1,660	286	34	176
	acres	3,803	49,575	3,897	178	10,240
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres		884	2,060	1,707	69	676
5.0 to 24.9 acres		1,651	1,100	660	25	357
25.0 to 99.9 acres		1,160	617	205	6	70
100.0 to 249.9 acres		275	162	88	-	9
250.0 to 499.9 acres		50	53	17	-	3
500.0 acres or more		16	12	9	-	10
500.0 to 749.9 acres		12	6	5	-	3
750.0 to 999.9 acres		1	-	2	-	1
1,000.0 acres or more		3	6	2	-	6

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Tobacco ....farms	-	1,610	-	-	-
acres	-	20,109	-	-	-
pounds	-	38,652,986	-	-	-
Irrigated ....farms	-	233	-	-	-
acres	-	3,217	-	-	-
Farms by acres harvested:					
0.1 to 0.9 acres	-	28	-	-	-
1.0 to 1.9 acres	-	225	-	-	-
2.0 to 2.9 acres	-	241	-	-	-
3.0 to 4.9 acres	-	353	-	-	-
5.0 to 9.9 acres	-	285	-	-	-
10.0 to 24.9 acres	-	273	-	-	-
25.0 to 49.9 acres	-	107	-	-	-
50.0 acres or more	-	98	-	-	-
50.0 to 74.9 acres	-	60	-	-	-
75.0 to 99.9 acres	-	11	-	-	-
100.0 acres or more	-	27	-	-	-
Wheat for grain, all ....farms	7,163	1,358	8,565	602	9
acres	3,341,778	254,944	3,844,241	137,404	379
bushels	141,003,068	10,445,442	134,643,897	5,771,071	13,722
Irrigated ....farms	75	12	2,021	442	-
acres	8,394	875	595,275	41,319	-
Farms by acres harvested:					
1 to 24 acres	314	204	586	172	4
25 to 99 acres	1,822	449	1,896	206	3
100 to 249 acres	2,071	360	2,151	104	2
250 to 499 acres	1,316	222	1,597	63	-
500 to 999 acres	825	97	1,284	23	-
1,000 acres or more	815	26	1,051	34	-
Vegetables harvested for sale (see text) ....farms	141	1,543	2,353	583	494
acres	1,766	34,013	128,108	5,920	2,927
Farms by acres harvested:					
0.1 to 4.9 acres	91	1,113	1,278	437	388
5.0 to 24.9 acres	34	335	550	90	81
25.0 to 99.9 acres	15	64	252	41	22
100.0 to 249.9 acres	-	18	133	12	3
250.0 to 499.9 acres	-	6	84	3	-
500.0 acres or more	1	7	56	-	-
500.0 to 749.9 acres	1	2	24	-	-
750.0 to 999.9 acres	-	-	11	-	-
1,000.0 acres or more	-	5	21	-	-
Land in orchards ....farms	113	786	8,848	805	310
acres	550	2,866	215,794	8,058	3,547
Irrigated ....farms	36	102	2,788	607	36
acres	210	341	69,461	7,791	344
Farms by bearing and nonbearing acres:					
0.1 to 4.9 acres	97	633	3,968	621	187
5.0 to 24.9 acres	13	145	3,362	143	89
25.0 to 99.9 acres	2	6	1,118	26	29
100.0 to 249.9 acres	1	2	272	9	5
250.0 to 499.9 acres	-	-	76	4	-
500.0 acres or more	-	-	52	2	-
500.0 to 749.9 acres	-	-	24	1	-
750.0 to 999.9 acres	-	-	7	1	-
1,000.0 acres or more	-	-	21	-	-

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Table 25. **Selected Crops Harvested: 2007** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
Tobacco	farms	895	-	68	195	-
	acres	20,881	-	248	934	-
	pounds	43,338,678	-	478,054	2,254,739	-
Irrigated	farms	291	-	3	-	-
	acres	10,006	-	(D)	-	-
Farms by acres harvested:						
0.1 to 0.9 acres		23	-	4	13	-
1.0 to 1.9 acres		129	-	20	42	-
2.0 to 2.9 acres		111	-	20	33	-
3.0 to 4.9 acres		119	-	6	52	-
5.0 to 9.9 acres		123	-	13	35	-
10.0 to 24.9 acres		166	-	5	15	-
25.0 to 49.9 acres		82	-	-	5	-
50.0 acres or more		142	-	-	-	-
50.0 to 74.9 acres		52	-	-	-	-
75.0 to 99.9 acres		42	-	-	-	-
100.0 acres or more		48	-	-	-	-
Wheat for grain, all	farms	1,348	2,612	122	5,422	347
	acres	200,342	2,096,350	5,960	280,464	127,051
	bushels	12,345,217	120,617,390	336,553	18,789,893	2,978,072
Irrigated	farms	44	614	-	22	100
	acres	1,500	155,021	-	1,501	10,538
Farms by acres harvested:						
1 to 24 acres		343	121	62	2,211	41
25 to 99 acres		488	360	45	2,514	80
100 to 249 acres		268	452	9	570	87
250 to 499 acres		153	406	6	101	58
500 to 999 acres		75	527	-	23	48
1,000 acres or more		21	746	-	3	33
Vegetables harvested for sale (see text)	farms	1,616	2,026	726	3,319	46
	acres	27,887	343,787	2,210	297,238	952
Farms by acres harvested:						
0.1 to 4.9 acres		1,143	1,205	632	1,554	36
5.0 to 24.9 acres		309	218	80	625	5
25.0 to 99.9 acres		102	173	12	670	2
100.0 to 249.9 acres		38	160	2	263	1
250.0 to 499.9 acres		16	102	-	88	2
500.0 acres or more		8	168	-	119	-
500.0 to 749.9 acres		3	62	-	37	-
750.0 to 999.9 acres		2	32	-	21	-
1,000.0 acres or more		3	74	-	61	-
Land in orchards	farms	1,277	5,470	613	1,135	25
	acres	19,713	299,174	6,909	9,730	73
Irrigated	farms	218	5,281	40	138	21
	acres	2,634	298,380	96	1,055	67
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres		833	2,085	481	766	23
5.0 to 24.9 acres		325	1,680	99	287	1
25.0 to 99.9 acres		88	1,103	20	71	1
100.0 to 249.9 acres		16	406	7	10	-
250.0 to 499.9 acres		9	96	4	-	-
500.0 acres or more		6	100	2	1	-
500.0 to 749.9 acres		3	45	1	-	-
750.0 to 999.9 acres		-	22	1	-	-
1,000.0 acres or more		3	33	-	1	-

Table 26. **Field Crops: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
AUSTRIAN WINTER PEAS (CWT)										
United States Total										
United States	73	10,725	133,421	14	807	133	14,676	207,915	16	734
States										
Idaho	18	4,806	61,837	1	(D)	60	7,885	137,349	2	(D)
Minnesota	2	(D)	(D)	-	-	-	-	-	-	-
Montana	27	3,631	33,101	3	141	29	3,392	24,605	3	360
Nebraska	1	(D)	(D)	-	-	-	-	-	-	-
North Dakota	2	(D)	(D)	-	-	2	(D)	(D)	-	-
Oregon	15	1,031	17,887	6	212	32	(D)	22,409	8	272
Texas	5	532	8,600	3	(D)	-	-	-	-	-
Utah	1	(D)	(D)	1	(D)	-	-	-	-	-
Washington	2	(D)	(D)	-	-	10	1,607	(D)	3	(D)
BARLEY FOR GRAIN (BUSHELS)										
United States Total										
United States	19,848	3,521,957	207,089,232	4,241	741,475	24,747	4,015,654	214,800,035	4,979	890,241
States										
Alabama	-	-	-	-	-	12	665	(D)	-	-
Alaska	22	4,322	167,170	1	(D)	23	3,672	143,679	1	(D)
Arizona	113	31,129	3,396,006	113	31,129	164	39,199	4,269,681	164	39,199
Arkansas	-	-	-	-	-	1	(D)	(D)	-	-
California	161	44,125	2,872,476	111	23,999	343	74,721	5,266,774	227	46,381
Colorado	331	59,667	7,179,416	292	54,440	416	82,147	8,704,401	385	78,013
Delaware	137	20,106	1,588,749	28	2,732	162	22,169	1,760,481	22	1,766
Georgia	13	537	30,326	-	-	13	(D)	19,437	-	-
Idaho	2,146	547,928	42,464,856	1,581	352,080	2,447	634,476	47,865,297	1,816	388,930
Illinois	46	738	43,029	-	-	59	1,852	111,960	-	-
Indiana	37	493	21,911	1	(D)	75	1,255	59,370	-	-
Iowa	86	2,815	139,145	-	-	152	4,166	241,818	-	-
Kansas	157	13,109	692,044	15	1,187	81	4,193	154,233	1	(D)
Kentucky	52	2,626	98,830	-	-	87	6,807	436,696	-	-
Maine	94	16,975	1,076,922	-	-	112	25,856	1,825,297	1	(D)
Maryland	683	34,288	2,733,463	43	1,779	718	36,241	2,907,723	8	1,189
Massachusetts	-	-	-	-	-	1	(D)	(D)	-	-
Michigan	376	12,953	642,216	2	(D)	400	11,620	576,461	7	63
Minnesota	1,126	108,268	5,800,659	31	1,784	1,462	139,739	5,661,303	19	1,745
Missouri	56	1,531	59,238	-	-	170	3,847	174,512	-	-
Montana	2,347	718,551	29,670,161	906	175,420	2,745	902,163	36,076,190	1,011	214,377
Nebraska	35	1,777	81,963	10	526	64	2,588	84,194	12	447
Nevada	9	1,062	93,177	9	1,062	20	2,375	207,188	20	2,375
New Hampshire	1	(D)	(D)	-	-	-	-	-	-	-
New Jersey	46	1,947	136,415	2	(D)	81	2,358	167,426	1	(D)
New Mexico	10	824	80,299	9	(D)	9	357	40,639	8	(D)
New York	327	10,793	530,407	-	-	425	12,569	589,695	-	-
North Carolina	236	13,728	667,667	14	88	324	15,664	934,962	6	82
North Dakota	4,855	1,384,689	75,444,593	64	10,848	5,218	1,303,723	56,810,477	22	3,529
Ohio	210	2,994	159,965	-	-	489	5,745	312,127	-	-
Oklahoma	42	5,038	207,751	1	(D)	58	2,343	98,417	4	64
Oregon	339	53,216	2,798,280	147	15,057	397	63,116	3,408,683	171	21,311
Pennsylvania	2,104	41,986	3,053,989	4	18	3,033	54,292	3,774,180	11	43
South Carolina	29	747	44,457	4	(D)	36	1,790	87,645	1	(D)
South Dakota	205	28,761	1,218,568	5	144	227	35,639	1,123,574	2	(D)
Tennessee	18	997	45,265	1	(D)	12	1,221	69,530	1	(D)
Texas	28	2,090	141,999	13	936	27	2,002	116,013	6	376
Utah	487	22,124	1,833,678	461	19,122	706	33,330	2,172,458	608	25,630
Vermont	4	(D)	(D)	-	-	11	(D)	(D)	-	-
Virginia	530	27,833	2,008,416	12	695	781	43,955	3,178,359	12	701
Washington	843	223,598	13,928,713	67	3,641	1,254	337,483	18,934,918	95	5,442
West Virginia	61	1,328	92,942	-	-	79	1,430	92,232	-	-
Wisconsin	1,104	23,645	1,351,838	3	(D)	1,489	35,226	1,735,478	2	(D)
Wyoming	342	52,457	4,485,775	291	43,513	364	62,834	4,568,059	335	57,734
BUCKWHEAT (BUSHELS)										
United States Total										
United States	337	24,760	711,173	34	5,181	720	42,641	960,589	48	6,271
States										
Connecticut	-	-	-	-	-	2	(D)	(D)	-	-
Georgia	1	(D)	(D)	-	-	-	-	-	-	-
Idaho	1	(D)	(D)	-	-	-	-	-	-	-
Illinois	4	(D)	(D)	-	-	4	68	980	-	-
Indiana	-	-	-	-	-	3	76	1,193	-	-
Iowa	-	-	-	-	-	5	313	4,513	-	-
Maine	1	(D)	(D)	1	(D)	3	(D)	(D)	-	-
Maryland	4	12	130	-	-	5	73	2,620	-	-
Massachusetts	-	-	-	-	-	2	(D)	(D)	-	-
Michigan	31	637	12,956	2	(D)	31	421	5,573	2	(D)
Minnesota	15	2,262	40,702	-	-	62	4,749	92,990	2	(D)
Missouri	1	(D)	(D)	-	-	-	-	-	-	-
Montana	1	(D)	(D)	1	(D)	1	(D)	(D)	-	-
New Hampshire	-	-	-	-	-	3	8	(D)	-	-
New Jersey	-	-	-	-	-	1	(D)	(D)	-	-

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
BUCKWHEAT (BUSHELS) - Con.										
States - Con.										
New Mexico	-	-	-	-	-	1	(D)	(D)	1	(D)
New York	83	2,142	47,811	-	-	164	2,950	53,381	11	59
North Carolina	4	6	130	-	-	-	-	-	-	-
North Dakota	61	11,011	213,795	1	(D)	120	22,599	438,020	-	-
Ohio	7	221	4,750	-	-	22	1,615	30,028	-	-
Oregon	10	166	3,753	7	(D)	6	209	6,205	3	129
Pennsylvania	71	1,779	41,275	-	-	205	2,473	42,346	2	(D)
Rhode Island	1	(D)	(D)	-	-	-	-	-	-	-
South Dakota	6	708	20,492	-	-	14	485	13,696	-	-
Vermont	-	-	-	-	-	3	6	150	-	-
Washington	24	5,245	308,729	22	4,969	30	6,016	253,751	27	5,911
West Virginia	7	204	7,630	-	-	9	41	538	-	-
Wisconsin	4	146	4,746	-	-	24	407	9,338	-	-
CANOLA (POUNDS)										
United States Total										
United States	3,123	1,149,682	1,418,549,887	104	13,535	3,831	1,208,251	1,446,267,120	79	8,925
States										
Alabama	-	-	-	-	-	2	(D)	(D)	-	-
Alaska	1	(D)	(D)	-	-	-	-	-	-	-
Arkansas	3	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
California	4	16	24,200	4	16	5	82	54,200	5	82
Colorado	17	1,757	2,342,920	15	1,512	7	414	599,616	6	387
Georgia	-	-	-	-	-	30	189	159,933	2	(D)
Idaho	87	18,391	23,247,016	8	(D)	90	19,909	29,637,407	6	1,250
Illinois	2	(D)	(D)	-	-	3	320	416,000	-	-
Indiana	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Iowa	2	(D)	(D)	-	-	-	-	-	-	-
Kansas	33	3,362	3,401,048	2	(D)	4	25	7,900	-	-
Kentucky	-	-	-	-	-	3	1,994	3,180,260	-	-
Maine	14	1,364	(D)	-	-	20	1,535	2,493,068	-	-
Michigan	5	152	169,300	-	-	12	581	593,388	-	-
Minnesota	144	29,125	36,701,922	5	305	285	55,429	49,482,235	-	-
Montana	32	7,872	9,246,013	15	2,339	147	33,723	30,575,298	35	4,092
Nebraska	4	95	186,250	1	(D)	-	-	-	-	-
New York	2	(D)	(D)	-	-	-	-	-	-	-
North Carolina	1	(D)	(D)	-	-	-	-	-	-	-
North Dakota	2,618	1,067,764	1,310,076,253	3	336	3,145	1,082,894	1,315,271,274	6	848
Ohio	-	-	-	-	-	1	(D)	(D)	-	-
Oklahoma	37	2,287	2,598,552	3	125	-	-	-	-	-
Oregon	25	3,836	7,288,829	19	2,956	9	2,860	2,406,353	3	(D)
Pennsylvania	6	108	103,592	-	-	1	(D)	(D)	-	-
South Dakota	1	(D)	(D)	-	-	6	242	99,774	-	-
Texas	7	486	438,400	4	82	-	-	-	-	-
Utah	2	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
Vermont	2	(D)	(D)	-	-	-	-	-	-	-
Virginia	3	(D)	41,250	-	-	1	(D)	(D)	-	-
Washington	56	10,449	17,679,136	19	3,537	54	7,776	10,909,964	14	1,504
Wisconsin	11	1,996	2,207,200	1	(D)	2	(D)	(D)	-	-
Wyoming	3	(D)	(D)	3	(D)	-	-	-	-	-
CORN FOR GRAIN (BUSHELS)										
United States Total										
United States	347,760	86,248,542	12,738,519,330	38,911	13,156,769	348,590	68,230,523	8,613,061,814	34,278	9,709,872
States										
Alabama	1,872	276,661	21,008,771	190	24,866	2,301	176,122	15,241,418	129	11,990
Arizona	58	22,654	4,083,974	56	21,939	92	27,838	5,127,857	92	27,838
Arkansas	1,395	584,629	99,778,632	1,090	461,094	800	238,554	31,747,203	512	145,351
California	606	189,965	34,602,626	606	189,965	592	168,354	28,395,621	592	168,192
Colorado	2,585	1,054,844	140,523,805	1,989	635,630	1,991	708,197	102,653,083	1,845	634,015
Connecticut	61	3,563	424,350	5	(D)	40	3,010	361,647	3	(D)
Delaware	843	185,407	18,346,034	265	52,680	769	161,421	13,368,438	237	43,747
Florida	513	33,915	2,991,208	111	7,633	519	26,790	2,456,508	74	9,404
Georgia	3,114	449,007	54,137,330	1,399	210,608	3,070	252,176	26,720,244	902	99,179
Hawaii	14	3,115	124,878	14	3,115	12	4,383	203,391	12	4,383
Idaho	691	104,570	17,752,526	689	(D)	462	42,209	6,561,733	460	(D)
Illinois	38,260	13,096,231	2,248,664,947	1,107	330,642	41,032	10,742,787	1,418,566,127	913	211,167
Indiana	24,400	6,362,576	959,947,232	1,024	268,435	24,156	5,123,291	606,156,476	767	180,305
Iowa	50,095	13,842,282	2,292,163,101	566	126,232	52,806	11,761,392	1,851,276,224	416	86,261
Kansas	11,236	3,680,278	500,560,815	3,591	1,509,702	9,552	2,494,179	289,681,829	3,328	1,346,807
Kentucky	7,060	1,313,320	166,687,678	159	22,483	7,446	1,043,990	108,721,040	66	8,195
Louisiana	1,331	722,387	114,674,506	673	300,979	1,198	461,782	54,944,774	409	130,968
Maine	26	3,272	419,517	-	-	27	2,660	295,847	2	(D)
Maryland	2,803	460,137	45,548,271	273	38,964	2,958	406,841	30,041,896	209	31,940
Massachusetts	50	2,432	372,853	2	(D)	49	2,573	346,592	1	(D)
Michigan	13,768	2,350,668	288,066,336	978	241,060	13,613	2,007,021	234,709,542	857	180,261
Minnesota	30,976	7,801,001	1,138,660,229	1,265	250,683	31,782	6,556,082	989,887,877	973	178,457
Mississippi	2,091	873,618	127,841,765	624	346,506	2,099	496,219	58,487,848	307	123,232
Missouri	15,375	3,256,195	439,417,160	1,233	388,210	15,655	2,677,491	268,224,535	970	246,315
Montana	297	38,002	5,147,840	263	32,517	146	11,642	1,584,039	146	11,642
Nebraska	22,812	9,192,656	1,426,459,812	14,107	5,839,067	23,889	7,344,715	908,360,246	14,448	4,505,579

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
CORN FOR GRAIN (BUSHELS) - Con.										
States - Con.										
Nevada	10	473	73,176	10	473	6	241	34,447	6	241
New Hampshire	13	226	27,547	3	3	21	880	113,240	1	(D)
New Jersey	731	81,556	10,137,862	81	8,094	691	66,128	4,031,251	79	4,465
New Mexico	122	53,851	9,626,854	116	49,327	130	48,096	8,508,723	117	47,904
New York	4,243	551,629	71,454,280	27	1,208	4,246	450,664	42,767,720	100	4,262
North Carolina	6,324	965,426	98,245,673	436	28,481	6,096	700,045	58,918,039	359	23,716
North Dakota	5,809	2,348,171	275,329,681	364	99,184	3,540	991,390	111,380,248	218	54,445
Ohio	24,436	3,606,246	526,601,789	39	7,375	23,898	2,869,951	254,817,899	26	3,387
Oklahoma	913	270,838	38,603,555	275	105,793	740	182,777	23,642,448	231	99,457
Oregon	248	35,271	7,008,419	237	35,009	178	19,308	3,097,418	167	19,116
Pennsylvania	16,030	980,753	118,964,770	56	2,660	15,172	790,111	52,645,120	168	3,277
Rhode Island	4	41	3,207	-	-	5	41	3,616	-	-
South Carolina	2,601	372,558	35,122,617	252	31,971	2,243	240,085	11,147,604	162	14,932
South Dakota	12,198	4,455,368	518,552,101	788	192,582	11,446	3,165,190	295,166,830	717	123,229
Tennessee	4,653	780,608	83,636,352	115	20,272	4,249	593,564	64,081,209	56	7,286
Texas	4,543	1,963,640	286,386,341	1,892	846,750	5,102	1,815,560	197,109,321	1,691	658,177
Utah	331	21,367	3,249,594	331	21,367	231	14,999	2,134,158	231	14,999
Vermont	71	5,368	773,897	-	-	86	5,130	624,813	1	(D)
Virginia	3,063	401,070	34,811,582	169	15,364	3,123	335,692	22,656,691	143	12,953
Washington	550	118,665	24,553,928	547	(D)	382	73,703	14,155,973	375	73,038
West Virginia	686	26,618	2,916,834	3	(D)	663	29,123	3,057,437	2	(D)
Wisconsin	27,505	3,250,847	437,174,706	556	113,312	29,021	2,862,031	385,057,040	501	83,602
Wyoming	344	54,567	6,858,369	335	51,056	265	34,095	3,788,534	257	33,507
COTTON, ALL (BALES)										
United States Total										
United States	18,605	10,493,238	18,898,128	8,776	4,035,610	24,805	12,456,162	17,145,345	11,006	4,802,024
States										
Alabama	917	382,566	407,598	108	22,484	1,320	523,123	567,569	128	32,654
Arizona	301	171,300	513,758	301	171,300	409	222,722	626,649	409	222,722
Arkansas	915	854,410	1,902,073	805	687,334	1,192	921,316	1,655,956	992	711,970
California	855	471,378	1,418,751	855	471,378	1,393	694,653	2,056,964	1,393	694,653
Florida	213	80,053	109,206	12	9,145	268	101,766	93,915	30	8,491
Georgia	2,577	996,427	1,628,260	1,114	309,442	3,216	1,267,150	1,564,995	1,180	327,866
Kansas	106	40,924	54,814	34	10,419	162	55,953	75,581	61	24,990
Louisiana	645	333,804	698,557	284	87,442	1,072	474,784	737,641	459	151,671
Mississippi	980	656,051	1,289,270	394	295,396	1,596	1,157,432	1,944,513	543	401,320
Missouri	511	377,960	723,043	382	198,446	596	395,880	608,280	421	205,812
New Mexico	199	42,207	97,206	199	42,207	277	53,045	98,377	277	53,045
North Carolina	1,308	526,060	785,557	101	10,756	2,091	924,097	802,472	161	23,674
Oklahoma	420	164,273	279,871	167	67,687	581	172,228	210,027	197	66,596
South Carolina	458	158,296	159,213	90	14,259	497	208,420	134,886	80	14,861
Tennessee	779	504,057	581,236	45	11,386	920	533,755	813,853	21	9,548
Texas	7,225	4,674,229	8,147,970	3,876	1,626,181	8,897	4,657,029	5,060,144	4,638	1,851,321
Virginia	196	59,243	101,745	9	348	318	92,809	93,523	16	830
UPLAND COTTON (BALES)										
United States Total										
United States	18,286	10,202,566	18,098,998	8,455	3,744,938	24,606	12,223,770	16,529,672	10,807	4,569,632
States										
Alabama	917	382,566	407,598	108	22,484	1,320	523,123	567,569	128	32,654
Arizona	298	168,798	509,156	298	168,798	401	214,880	609,809	401	214,880
Arkansas	915	854,410	1,902,073	805	687,334	1,192	921,316	1,655,956	992	711,970
California	588	211,990	677,794	588	211,990	1,288	495,943	1,511,818	1,288	495,943
Florida	213	80,053	109,206	12	9,145	268	101,766	93,915	30	8,491
Georgia	2,577	996,427	1,628,260	1,114	309,442	3,216	1,267,150	1,564,995	1,180	327,866
Kansas	106	40,924	54,814	34	10,419	162	55,953	75,581	61	24,990
Louisiana	645	333,804	698,557	284	87,442	1,072	474,784	737,641	459	151,671
Mississippi	980	656,051	1,289,270	394	295,396	1,596	1,157,432	1,944,513	543	401,320
Missouri	511	377,960	723,043	382	198,446	596	395,880	608,280	421	205,812
New Mexico	182	37,615	88,790	182	37,615	238	45,994	83,908	238	45,994
North Carolina	1,308	526,060	785,557	101	10,756	2,091	924,097	802,472	161	23,674
Oklahoma	420	164,273	279,871	167	67,687	581	172,228	210,027	197	66,596
South Carolina	458	158,296	159,213	90	14,259	497	208,420	134,886	80	14,861
Tennessee	779	504,057	581,236	45	11,386	920	533,755	813,853	21	9,548
Texas	7,193	4,650,039	8,102,815	3,842	1,601,991	8,850	4,638,240	5,020,926	4,591	1,832,532
Virginia	196	59,243	101,745	9	348	318	92,809	93,523	16	830
PIMA COTTON (BALES)										
United States Total										
United States	551	290,672	799,130	551	290,672	524	232,392	615,673	524	232,392
States										
Arizona	13	2,502	4,602	13	2,502	45	7,842	16,840	45	7,842
California	424	259,388	740,957	424	259,388	322	198,710	545,146	322	198,710
New Mexico	44	4,592	8,416	44	4,592	81	7,051	14,469	81	7,051
Texas	70	24,190	45,155	70	24,190	76	18,789	39,218	76	18,789

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
DRY EDIBLE BEANS, EXCLUDING LIMAS (CWT)										
United States Total										
United States	6,236	1,455,549	25,353,900	2,456	353,503	8,647	1,691,775	29,687,475	3,858	581,595
States										
Alabama	-	-	-	-	-	5	5	78	-	-
Arizona	46	5,849	102,603	27	5,818	28	4,837	88,798	28	4,837
California	239	34,002	709,841	237	30,134	385	58,420	1,234,989	382	57,843
Colorado	281	46,629	785,848	245	30,790	686	82,721	1,778,029	684	81,548
Connecticut	3	3	90	3	3	6	(D)	(D)	2	(D)
Delaware	-	-	-	-	-	3	(D)	(D)	2	(D)
Idaho	641	88,987	1,646,970	519	49,435	762	79,791	1,665,528	710	68,617
Indiana	1	(D)	(D)	1	(D)	19	1,016	29,487	-	-
Iowa	1	(D)	(D)	-	-	56	2,270	71,739	-	-
Kansas	33	5,955	134,719	31	5,143	80	17,494	297,133	79	16,840
Kentucky	-	-	-	-	-	2	(D)	(D)	-	-
Louisiana	-	-	-	-	-	1	(D)	(D)	1	(D)
Maine	16	481	4,359	-	-	35	367	3,570	1	(D)
Maryland	-	-	-	-	-	7	160	2,844	-	-
Massachusetts	1	(D)	(D)	-	-	2	(D)	(D)	1	(D)
Michigan	1,183	195,419	3,207,689	61	8,182	1,587	259,026	4,862,193	82	13,183
Minnesota	526	145,422	2,638,507	93	26,692	665	156,707	2,683,985	111	33,293
Mississippi	-	-	-	-	-	10	52	276	-	-
Missouri	2	(D)	(D)	-	-	12	725	27,177	-	-
Montana	105	17,151	290,498	82	9,224	172	22,770	376,832	148	18,709
Nebraska	495	107,583	2,453,158	482	104,748	758	164,924	3,404,542	742	160,614
New Hampshire	2	(D)	(D)	-	-	3	7	95	-	-
New Jersey	2	(D)	(D)	-	-	5	14	146	-	-
New Mexico	178	7,760	173,070	178	7,760	38	8,377	144,639	38	8,377
New York	143	16,218	247,762	3	(D)	306	32,520	444,691	30	396
North Carolina	-	-	-	-	-	1	(D)	(D)	-	-
North Dakota	1,682	664,389	10,745,281	56	13,023	1,999	661,379	10,104,405	84	17,693
Ohio	1	(D)	(D)	-	-	44	3,988	118,072	-	-
Oklahoma	7	150	2,792	2	(D)	3	(D)	(D)	1	(D)
Oregon	49	7,559	149,465	36	4,562	79	8,478	144,260	63	5,444
Pennsylvania	17	153	3,045	1	(D)	16	525	12,160	2	(D)
South Dakota	34	11,891	208,659	11	2,826	45	11,430	192,232	13	4,675
Texas	58	6,675	127,400	28	2,946	218	25,906	286,553	120	15,357
Utah	16	1,627	6,994	10	159	10	277	4,410	10	277
Vermont	6	(D)	(D)	-	-	6	19	177	-	-
Virginia	-	-	-	-	-	2	(D)	(D)	-	-
Washington	269	61,055	1,049,750	152	22,017	343	49,429	936,604	290	37,880
West Virginia	-	-	-	-	-	4	8	58	-	-
Wisconsin	6	6,069	93,244	5	5,717	17	7,398	148,408	7	5,707
Wyoming	193	24,197	566,459	193	24,197	227	30,151	612,503	227	30,151
DRY LIMA BEANS (CWT)										
United States Total										
United States	167	30,355	702,373	159	29,639	300	45,961	1,072,859	268	43,526
States										
Alabama	-	-	-	-	-	7	(D)	184	-	-
California	139	28,786	673,392	139	28,213	242	44,546	1,039,088	234	42,281
Idaho	9	643	14,382	9	643	15	638	14,241	15	637
Louisiana	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Maryland	-	-	-	-	-	1	(D)	(D)	-	-
Mississippi	3	3	18	-	-	-	-	-	-	-
New York	2	(D)	(D)	-	-	-	-	-	-	-
North Carolina	-	-	-	-	-	14	93	2,833	5	(D)
South Carolina	-	-	-	-	-	7	14	(D)	2	(D)
Virginia	3	(D)	(D)	2	(D)	-	-	-	-	-
Washington	10	877	13,895	9	(D)	13	645	16,390	12	565
DRY EDIBLE PEAS (CWT)										
United States Total										
United States	3,048	848,874	17,260,031	232	15,502	1,547	281,871	4,780,492	153	11,644
States										
Alabama	-	-	-	-	-	54	287	1,898	-	-
Arizona	5	(D)	(D)	1	(D)	-	-	-	-	-
Arkansas	-	-	-	-	-	2	(D)	(D)	-	-
California	1	(D)	(D)	1	(D)	6	21	177	6	15
Colorado	11	458	11,558	7	366	-	-	-	-	-
Florida	16	69	569	-	-	4	245	828	-	-
Idaho	173	23,819	412,377	75	4,156	205	36,709	680,842	65	3,284
Iowa	5	296	5,301	-	-	-	-	-	-	-
Kansas	2	(D)	(D)	-	-	-	-	-	-	-
Kentucky	2	(D)	(D)	-	-	2	(D)	(D)	-	-
Louisiana	-	-	-	-	-	2	(D)	(D)	-	-
Maine	1	(D)	(D)	1	(D)	-	-	-	-	-
Michigan	5	186	3,048	-	-	3	30	228	-	-
Minnesota	88	8,162	190,044	8	505	15	2,683	36,101	-	-
Mississippi	14	70	1,625	2	(D)	18	300	1,150	-	-
Missouri	1	(D)	(D)	1	(D)	4	483	5,901	1	(D)
Montana	544	222,415	3,988,953	33	3,020	134	26,291	221,742	11	1,576
Nebraska	6	177	2,913	-	-	-	-	-	-	-

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
DRY EDIBLE PEAS (CWT) - Con.										
States - Con.										
New Jersey	1	(D)	(D)	1	(D)	-	-	-	-	-
New Mexico	4	5	90	1	(D)	1	(D)	(D)	1	(D)
New York	10	509	4,966	-	-	-	-	-	-	-
North Carolina	1	(D)	(D)	-	-	-	-	-	-	-
North Dakota	1,684	499,470	10,856,233	11	940	648	124,263	2,064,231	2	(D)
Ohio	1	(D)	(D)	-	-	-	-	-	-	-
Oklahoma	11	1,597	5,705	1	(D)	4	335	5,400	-	-
Oregon	34	4,352	87,341	16	1,751	21	4,277	61,348	12	1,208
South Carolina	6	60	1,013	2	(D)	15	159	1,886	-	-
South Dakota	90	17,470	404,677	1	(D)	14	2,068	25,976	1	(D)
Tennessee	-	-	-	-	-	2	(D)	(D)	-	-
Texas	49	2,554	27,544	18	1,080	36	803	10,179	9	361
Utah	5	223	5,665	5	220	1	(D)	(D)	1	(D)
Virginia	2	(D)	(D)	2	(D)	41	456	2,172	-	-
Washington	266	65,243	1,228,583	45	2,910	314	81,820	1,651,620	44	4,745
Wisconsin	10	647	6,764	-	-	1	(D)	(D)	-	-
DRY SOUTHERN PEAS (COWPEAS) (BUSHELS)										
United States Total										
United States	222	18,544	228,371	64	6,385	410	21,778	236,666	88	6,635
States										
Alabama	-	-	-	-	-	23	233	3,253	4	14
Arizona	3	1,452	20,550	3	1,452	1	(D)	(D)	1	(D)
Arkansas	-	-	-	-	-	2	(D)	(D)	-	-
Colorado	1	(D)	(D)	-	-	-	-	-	-	-
Florida	54	2,546	30,798	13	191	67	6,503	52,046	15	261
Georgia	9	652	12,290	7	501	-	-	-	-	-
Kentucky	-	-	-	-	-	2	(D)	(D)	-	-
Louisiana	20	44	1,287	5	5	28	122	1,844	5	7
Mississippi	1	(D)	(D)	-	-	4	8	132	2	(D)
Missouri	6	4,606	42,395	3	(D)	16	2,076	24,755	5	896
New Mexico	2	(D)	(D)	2	(D)	5	75	2,113	2	(D)
North Carolina	6	12	137	1	(D)	43	474	5,469	10	16
Oklahoma	14	2,019	29,742	2	(D)	52	3,631	40,473	12	1,419
South Carolina	13	117	685	3	3	17	211	1,186	1	(D)
South Dakota	1	(D)	(D)	-	-	-	-	-	-	-
Tennessee	-	-	-	-	-	1	(D)	(D)	-	-
Texas	92	5,322	55,810	25	2,414	149	8,276	102,680	31	3,825
EMMER AND SPELT (BUSHELS)										
United States Total										
United States	899	14,066	882,517	2	(D)	979	14,426	896,203	15	194
States										
Colorado	-	-	-	-	-	1	(D)	(D)	1	(D)
Illinois	2	(D)	(D)	-	-	7	142	4,280	-	-
Indiana	14	87	5,355	-	-	25	268	17,395	-	-
Iowa	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Kentucky	9	65	4,245	-	-	7	22	751	-	-
Maine	6	(D)	(D)	-	-	-	-	-	-	-
Maryland	6	74	5,610	-	-	7	33	2,066	1	(D)
Michigan	105	3,532	250,086	1	(D)	81	3,324	165,040	3	(D)
Minnesota	2	(D)	(D)	-	-	1	(D)	(D)	-	-
Missouri	25	205	9,077	-	-	13	84	4,960	-	-
Montana	10	975	45,950	1	(D)	3	(D)	(D)	-	-
New York	49	1,732	101,778	-	-	55	2,050	132,104	4	10
North Dakota	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Ohio	281	3,785	244,064	-	-	297	4,125	288,125	-	-
Pennsylvania	358	2,983	189,538	-	-	452	3,675	238,876	3	12
Tennessee	1	(D)	(D)	-	-	-	-	-	-	-
Texas	1	(D)	(D)	-	-	-	-	-	-	-
Vermont	2	(D)	(D)	-	-	-	-	-	-	-
Virginia	2	(D)	(D)	-	-	-	-	-	-	-
Washington	-	-	-	-	-	3	150	10,500	3	150
West Virginia	5	56	2,820	-	-	5	65	5,480	-	-
Wisconsin	19	163	11,082	-	-	20	102	7,028	-	-
FLAXSEED (BUSHELS)										
United States Total										
United States	1,698	347,309	5,722,192	11	608	3,010	641,288	10,738,434	4	302
States										
Idaho	5	256	4,041	2	(D)	11	1,854	42,567	-	-
Iowa	8	203	2,885	-	-	2	(D)	(D)	-	-
Minnesota	56	3,823	68,179	-	-	79	4,211	69,880	-	-
Missouri	2	(D)	(D)	-	-	1	(D)	(D)	-	-
Montana	64	20,236	174,531	-	-	73	14,822	176,237	2	(D)
Nebraska	-	-	-	-	-	2	(D)	(D)	-	-
New York	-	-	-	-	-	1	(D)	(D)	-	-

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
FLAXSEED (BUSHELS) - Con.										
States - Con.										
North Dakota	1,515	315,807	5,387,903	5	(D)	2,798	616,205	10,413,597	2	(D)
Oregon	2	(D)	(D)	2	(D)	-	-	-	-	-
South Carolina	1	(D)	(D)	-	-	1	(D)	(D)	-	-
South Dakota	41	6,837	83,268	-	-	38	3,871	31,464	-	-
Utah	1	(D)	(D)	1	(D)	-	-	-	-	-
Washington	2	(D)	(D)	1	(D)	4	166	2,702	-	-
Wisconsin	1	(D)	(D)	-	-	-	-	-	-	-
LENTILS (CWT)										
United States Total										
United States	811	301,132	3,724,878	8	1,202	647	198,997	2,448,940	6	881
States										
Idaho	123	36,739	418,991	-	-	188	58,981	751,896	1	(D)
Minnesota	1	(D)	(D)	-	-	-	-	-	-	-
Montana	206	87,797	1,012,784	2	(D)	79	21,822	164,086	2	(D)
North Dakota	297	106,730	1,453,617	2	(D)	141	36,195	369,650	-	-
Oregon	4	1,217	15,459	2	(D)	3	159	3,218	2	(D)
South Dakota	4	(D)	(D)	-	-	13	71	140	-	-
Washington	176	67,474	809,400	2	(D)	223	81,769	1,159,950	1	(D)
MUSTARD SEED (POUNDS)										
United States Total										
United States	250	56,947	34,527,346	31	1,541	631	144,337	94,395,859	26	1,940
States										
California	9	(D)	(D)	8	(D)	4	529	384,730	2	(D)
Colorado	1	(D)	(D)	1	(D)	-	-	-	-	-
Idaho	11	1,572	1,356,887	8	455	71	14,465	13,894,930	1	(D)
Minnesota	1	(D)	(D)	-	-	3	(D)	257,600	-	-
Montana	38	14,192	6,223,513	-	-	88	25,835	12,525,341	2	(D)
North Dakota	143	34,848	21,456,103	-	-	364	88,422	56,357,927	-	-
Oregon	13	930	735,920	7	201	26	1,456	743,741	13	285
South Dakota	-	-	-	-	-	7	(D)	29,360	-	-
Texas	1	(D)	(D)	1	(D)	-	-	-	-	-
Washington	32	5,112	4,332,970	5	601	68	12,946	10,202,230	8	917
Wyoming	1	(D)	(D)	1	(D)	-	-	-	-	-
OATS FOR GRAIN (BUSHELS)										
United States Total										
United States	42,558	1,509,149	89,508,669	1,620	78,214	63,763	1,996,916	109,840,449	1,948	96,150
States										
Alabama	238	16,111	905,087	9	320	285	13,531	591,232	6	57
Alaska	8	1,017	49,230	1	(D)	10	1,107	46,033	-	-
Arizona	18	1,090	87,980	18	1,090	43	2,226	206,912	43	2,226
Arkansas	57	6,431	601,737	3	192	104	7,950	615,630	3	(D)
California	299	25,993	2,595,144	198	18,141	429	34,319	2,798,145	222	17,196
Colorado	165	9,921	531,736	105	5,072	121	6,813	364,903	94	4,965
Connecticut	2	(D)	(D)	-	-	6	67	3,313	1	(D)
Delaware	9	142	(D)	-	-	17	244	16,350	-	-
Florida	49	3,222	200,966	8	1,034	76	4,368	190,940	3	225
Georgia	476	28,770	1,535,663	69	4,106	573	23,056	1,287,164	42	2,237
Idaho	298	19,629	1,178,663	167	6,876	393	18,179	1,244,462	196	6,854
Illinois	1,006	24,265	1,500,658	2	(D)	2,109	39,258	2,839,874	5	20
Indiana	568	7,948	403,631	12	36	914	11,015	705,534	1	(D)
Iowa	3,056	66,651	4,481,462	4	(D)	6,963	143,513	10,761,952	1	(D)
Kansas	874	29,761	1,363,381	31	2,478	1,611	53,765	2,403,129	11	731
Kentucky	118	1,002	55,839	-	-	131	1,309	70,109	-	-
Louisiana	30	1,549	131,809	-	-	48	2,107	144,198	7	42
Maine	159	27,206	1,937,569	-	-	197	24,919	2,113,706	-	-
Maryland	184	2,338	152,306	4	4	256	3,684	226,016	3	(D)
Massachusetts	2	(D)	(D)	-	-	8	64	2,880	-	-
Michigan	2,181	55,046	2,972,519	23	93	2,756	63,485	3,994,940	32	519
Minnesota	5,499	180,942	10,494,120	76	2,249	7,464	231,859	12,958,117	42	1,419
Mississippi	44	1,345	107,161	3	(D)	82	2,699	111,430	3	35
Missouri	459	7,894	382,149	-	-	1,300	25,037	1,290,427	2	(D)
Montana	488	34,633	1,673,538	151	8,227	697	45,515	1,998,128	242	11,557
Nebraska	885	35,108	2,108,923	67	3,052	1,475	53,946	2,367,835	87	3,891
Nevada	2	(D)	(D)	2	(D)	36	4,682	485,280	36	4,682
New Jersey	50	1,234	61,563	-	-	74	2,250	144,613	3	(D)
New Mexico	45	(D)	16,467	26	143	39	985	58,669	33	924
New York	1,809	60,999	3,556,221	1	(D)	2,205	67,032	4,138,239	33	287
North Carolina	556	14,337	787,753	27	185	930	22,293	1,196,859	36	333
North Dakota	2,513	257,021	14,862,093	16	990	3,108	302,455	12,456,205	8	442
Ohio	2,800	46,348	2,883,967	-	-	3,865	55,151	3,254,377	2	(D)
Oklahoma	172	14,816	462,865	9	1,327	334	16,326	608,263	9	199
Oregon	259	17,958	1,417,220	72	5,023	425	29,968	2,495,654	107	8,939
Pennsylvania	5,089	79,943	4,237,273	-	-	7,396	117,653	6,768,130	40	111
Rhode Island	2	(D)	(D)	-	-	5	44	1,798	-	-
South Carolina	344	13,279	559,906	18	238	579	21,202	975,883	16	409
South Dakota	1,703	124,743	8,758,284	30	1,666	2,097	130,225	5,717,330	32	1,402

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
OATS FOR GRAIN (BUSHELS) - Con.										
States - Con.										
Tennessee	78	1,679	83,840	-	-	113	2,135	131,167	-	-
Texas	1,109	92,653	3,663,002	80	5,461	1,977	127,900	5,334,886	136	10,334
Utah	266	4,833	367,230	252	4,461	210	3,788	302,019	176	3,283
Vermont	12	211	11,525	-	-	26	412	15,663	-	-
Virginia	230	4,893	286,954	4	6	364	5,529	317,353	15	50
Washington	138	8,956	426,027	19	471	251	12,097	769,381	41	1,376
West Virginia	121	1,494	74,953	-	-	164	1,515	74,403	-	-
Wisconsin	7,934	166,794	11,122,339	19	1,779	11,300	245,695	14,600,211	29	2,751
Wyoming	154	8,040	382,864	94	3,099	197	13,544	640,707	150	8,067
PEANUTS FOR NUTS (POUNDS)										
United States Total										
United States	6,182	1,200,564	3,703,138,887	2,381	418,789	8,640	1,223,093	3,137,586,781	2,900	462,620
States										
Alabama	704	158,424	396,914,610	71	11,044	1,134	176,395	373,313,101	102	12,534
Arizona	1	(D)	(D)	1	(D)	2	(D)	(D)	2	(D)
Arkansas	1	(D)	(D)	1	(D)	15	1,413	3,757,277	10	1,000
California	11	14	28,000	11	14	16	22	38,600	16	22
Florida	423	118,637	341,137,148	92	27,044	494	76,459	210,036,443	94	20,312
Georgia	2,762	518,719	1,634,837,229	1,193	182,332	3,290	467,712	1,173,877,160	1,243	168,729
Louisiana	8	(D)	(D)	3	(D)	1	(D)	(D)	1	(D)
Mississippi	85	17,781	58,481,805	11	(D)	62	3,831	8,821,233	4	(D)
Missouri	1	(D)	(D)	-	-	1	(D)	(D)	-	-
New Mexico	29	10,305	31,988,642	29	10,305	57	15,299	45,062,549	57	15,299
North Carolina	699	89,029	250,970,518	94	8,587	1,236	100,650	219,305,939	111	7,986
Oklahoma	148	16,319	55,039,635	113	11,821	418	53,390	144,450,348	311	39,457
South Carolina	327	56,332	178,352,360	78	8,265	178	10,344	24,466,790	20	(D)
Tennessee	19	23	14,610	1	(D)	23	23	23,828	-	-
Texas	784	192,291	699,723,146	666	156,066	1,231	259,419	807,510,593	898	192,772
Virginia	180	21,631	52,797,144	17	1,193	482	57,373	125,121,968	31	2,403
POPCORN (POUNDS, SHELLED)										
United States Total										
United States	968	201,623	860,878,543	377	93,204	1,701	309,879	945,158,986	545	117,002
States										
Alabama	2	(D)	(D)	-	-	5	(D)	(D)	-	-
Arkansas	1	(D)	(D)	1	(D)	-	-	-	-	-
California	1	(D)	(D)	1	(D)	5	(D)	(D)	5	(D)
Colorado	5	(D)	(D)	4	(D)	11	1,191	1,733,622	6	806
Connecticut	1	(D)	(D)	1	(D)	-	-	-	-	-
Georgia	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Idaho	-	-	-	-	-	2	(D)	(D)	2	(D)
Illinois	123	24,272	114,902,563	70	18,394	169	28,861	98,302,767	66	16,734
Indiana	182	55,768	220,971,578	29	8,369	273	69,207	219,836,706	40	9,791
Iowa	86	8,856	35,240,391	7	801	157	14,168	45,994,514	11	982
Kansas	3	3	300	3	3	33	6,033	19,414,222	4	764
Kentucky	21	5,615	18,946,770	-	-	41	11,058	25,430,995	-	-
Louisiana	-	-	-	-	-	2	(D)	(D)	-	-
Maine	2	(D)	(D)	-	-	-	-	-	-	-
Maryland	2	(D)	(D)	1	(D)	2	(D)	(D)	-	-
Massachusetts	2	(D)	(D)	1	(D)	4	(D)	(D)	-	-
Michigan	24	788	2,107,205	4	(D)	26	1,455	4,375,505	8	278
Minnesota	-	-	-	-	-	7	413	(D)	-	-
Mississippi	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Missouri	26	4,219	17,828,110	11	1,989	84	9,414	23,596,607	12	2,504
Nebraska	253	59,728	294,541,958	232	57,095	441	88,717	346,856,579	379	80,017
New Jersey	3	5	9,800	1	(D)	6	161	262,630	1	(D)
New Mexico	2	(D)	(D)	2	(D)	1	(D)	(D)	1	(D)
New York	22	33	55,830	2	(D)	-	-	-	-	-
North Carolina	-	-	-	-	-	13	3,331	4,870,840	-	-
Ohio	165	31,803	109,921,351	-	-	353	67,378	128,293,432	2	(D)
Oklahoma	-	-	-	-	-	2	(D)	(D)	-	-
Pennsylvania	2	(D)	(D)	-	-	10	(D)	(D)	2	(D)
South Carolina	1	(D)	(D)	-	-	-	-	-	-	-
South Dakota	7	2,534	8,102,058	4	1,951	17	4,235	13,467,224	3	(D)
Tennessee	9	2,217	5,152,020	-	-	10	1,682	4,196,681	-	-
Texas	-	-	-	-	-	2	(D)	(D)	-	-
Vermont	-	-	-	-	-	2	(D)	(D)	-	-
Virginia	-	-	-	-	-	2	(D)	(D)	-	-
Washington	1	(D)	(D)	1	(D)	4	(D)	(D)	2	(D)
West Virginia	1	(D)	(D)	1	(D)	-	-	-	-	-
Wisconsin	19	132	105,240	1	(D)	13	374	1,050,488	1	(D)

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
PROSO MILLET (BUSHELS)										
United States Total										
United States	1,528	542,108	17,333,479	127	12,552	1,250	282,664	3,810,986	108	9,961
States										
Alabama	1	(D)	(D)	-	-	-	-	-	-	-
California	-	-	-	-	-	3	60	120	3	60
Colorado	564	258,592	8,476,657	40	3,942	416	113,684	1,209,096	26	2,073
Florida	5	590	5,205	1	(D)	5	266	6,234	-	-
Georgia	31	4,230	73,162	7	168	14	988	22,084	-	-
Illinois	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Iowa	2	(D)	(D)	-	-	3	64	3,325	-	-
Kansas	15	5,414	162,196	2	(D)	16	3,930	48,432	3	270
Louisiana	1	(D)	(D)	-	-	-	-	-	-	-
Michigan	6	164	3,258	1	(D)	1	(D)	(D)	-	-
Minnesota	4	166	1,783	-	-	10	906	22,576	-	-
Mississippi	-	-	-	-	-	1	(D)	(D)	-	-
Montana	-	-	-	-	-	12	447	12,715	3	(D)
Nebraska	429	129,891	4,253,359	60	5,930	404	96,658	1,101,093	48	5,659
North Carolina	9	88	1,088	-	-	3	33	416	-	-
North Dakota	69	4,607	134,396	1	(D)	98	11,341	256,112	-	-
Ohio	-	-	-	-	-	1	(D)	(D)	-	-
Oklahoma	-	-	-	-	-	4	55	1,062	2	(D)
South Carolina	4	(D)	(D)	-	-	3	(D)	(D)	-	-
South Dakota	350	129,695	3,949,588	3	356	221	50,089	1,028,947	2	(D)
Texas	14	1,756	63,044	9	971	17	1,480	54,014	17	1,480
Virginia	1	(D)	(D)	-	-	-	-	-	-	-
West Virginia	1	(D)	(D)	-	-	-	-	-	-	-
Wisconsin	2	(D)	(D)	2	(D)	3	106	3,030	2	(D)
Wyoming	19	5,076	118,004	1	(D)	13	2,126	28,019	2	(D)
RAPESEED (POUNDS)										
United States Total										
United States	11	1,060	1,138,344	-	-	11	955	1,084,170	3	(D)
States										
California	-	-	-	-	-	2	(D)	(D)	2	(D)
Idaho	9	(D)	(D)	-	-	5	848	923,062	-	-
North Carolina	-	-	-	-	-	1	(D)	(D)	-	-
Oregon	1	(D)	(D)	-	-	3	(D)	(D)	1	(D)
Washington	1	(D)	(D)	-	-	-	-	-	-	-
RICE (CWT)										
United States Total										
United States	6,084	2,758,792	198,538,690	6,084	2,758,792	8,046	3,197,641	210,358,014	8,046	3,197,641
States										
Arkansas	2,752	1,326,377	96,033,069	2,752	1,326,377	3,573	1,506,615	97,254,798	3,573	1,506,615
California	1,304	531,075	43,018,947	1,304	531,075	1,473	531,314	43,581,796	1,473	531,314
Florida	7	11,376	975,319	7	11,376	10	14,108	722,435	10	14,108
Illinois	3	(D)	(D)	3	(D)	1	(D)	(D)	1	(D)
Louisiana	848	377,115	23,122,031	848	377,115	1,448	538,518	29,612,936	1,448	538,518
Mississippi	341	185,076	13,313,823	341	185,076	461	233,447	14,526,578	461	233,447
Missouri	435	179,300	12,266,645	435	179,300	445	167,716	9,965,432	445	167,716
Oklahoma	3	(D)	(D)	3	(D)	2	(D)	(D)	2	(D)
Tennessee	6	2,317	240,029	6	2,317	4	(D)	34,550	4	(D)
Texas	385	145,006	9,472,871	385	145,006	629	204,069	14,590,204	629	204,069
RYE FOR GRAIN (BUSHELS)										
United States Total										
United States	5,160	267,361	6,652,604	210	10,832	7,344	285,366	7,253,118	269	14,057
States										
Alabama	68	4,034	74,976	3	18	155	5,985	103,691	5	(D)
Arkansas	1	(D)	(D)	-	-	4	32	1,180	-	-
California	14	427	13,992	1	(D)	20	949	21,961	3	128
Colorado	9	850	26,267	3	379	7	1,069	21,056	3	(D)
Connecticut	15	258	7,895	-	-	20	505	15,548	2	(D)
Delaware	15	353	12,039	2	(D)	30	445	15,474	3	(D)
Florida	32	3,887	50,549	5	472	42	4,905	58,354	3	212
Georgia	564	39,633	766,569	42	1,672	681	34,713	557,091	47	1,828
Illinois	81	2,928	80,079	3	58	162	3,937	125,295	3	43
Indiana	37	833	24,061	2	(D)	91	1,070	30,250	-	-
Iowa	53	1,009	28,190	-	-	116	1,771	60,484	-	-
Kansas	70	9,319	309,317	11	864	137	15,017	432,931	8	1,104
Kentucky	19	955	22,140	-	-	25	360	12,640	-	-
Louisiana	-	-	-	-	-	1	(D)	(D)	-	-
Maine	6	257	5,910	-	-	13	394	19,557	-	-
Maryland	81	2,934	115,483	3	(D)	125	2,835	100,041	-	-
Massachusetts	3	(D)	(D)	-	-	12	283	11,783	-	-
Michigan	453	11,272	316,647	22	229	691	15,345	505,726	16	103
Minnesota	350	17,672	472,295	7	248	359	13,980	409,891	2	(D)
Missouri	28	1,071	38,073	-	-	55	1,839	65,211	2	(D)
Montana	4	890	32,086	-	-	8	278	13,002	2	(D)

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
RYE FOR GRAIN (BUSHELS) - Con.										
States - Con.										
Nebraska	290	15,354	443,793	41	1,952	275	12,376	319,263	27	1,352
Nevada	-	-	-	-	-	2	(D)	(D)	2	(D)
New Hampshire	2	(D)	(D)	-	-	4	37	712	-	-
New Jersey	81	1,933	61,869	2	(D)	185	4,882	177,617	14	275
New Mexico	1	(D)	(D)	1	(D)	12	2,679	84,953	5	(D)
New York	264	6,879	225,103	-	-	431	10,668	334,678	16	217
North Carolina	288	13,391	238,195	17	209	459	13,094	318,059	22	195
North Dakota	75	9,788	395,742	-	-	53	5,912	179,592	-	-
Ohio	93	1,380	47,171	-	-	270	3,521	115,021	2	(D)
Oklahoma	292	59,311	1,092,638	17	1,304	466	61,150	1,226,323	21	1,995
Oregon	5	575	11,081	-	-	15	1,576	46,397	2	(D)
Pennsylvania	810	9,281	334,039	-	-	1,226	17,173	620,310	16	120
Rhode Island	-	-	-	-	-	5	76	1,959	-	-
South Carolina	171	7,312	107,587	4	9	237	9,774	197,225	9	92
South Dakota	63	5,162	218,133	-	-	83	6,152	178,206	-	-
Tennessee	9	275	6,385	-	-	8	99	(D)	-	-
Texas	96	19,119	464,330	14	2,793	86	13,143	316,759	15	2,065
Utah	2	(D)	(D)	-	-	-	-	-	-	-
Vermont	7	100	1,922	-	-	10	147	5,771	-	-
Virginia	197	5,380	128,968	3	4	229	5,445	142,571	-	-
Washington	3	41	1,084	1	(D)	6	406	10,936	1	(D)
West Virginia	31	682	33,860	-	-	16	441	12,429	-	-
Wisconsin	477	12,455	431,045	6	280	512	10,570	353,108	18	1,018
SAFFLOWER (POUNDS)										
United States Total										
United States	766	164,003	203,814,924	250	37,787	878	182,292	270,105,054	264	52,199
States										
Arizona	-	-	-	-	-	9	1,274	2,530,700	9	1,274
California	255	47,550	112,031,287	159	29,892	435	97,440	208,919,130	212	49,434
Colorado	10	2,017	1,948,170	1	(D)	32	1,907	1,078,840	-	-
Idaho	34	10,428	5,252,340	6	(D)	47	10,300	6,741,401	16	(D)
Montana	124	37,188	31,489,359	3	(D)	126	36,327	27,264,351	5	332
Nebraska	4	206	254,840	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	4	(D)	(D)	4	(D)
New York	-	-	-	-	-	1	(D)	(D)	-	-
North Dakota	197	39,531	37,212,729	-	-	98	14,548	10,552,777	-	-
Oregon	4	(D)	(D)	4	69	5	352	308,983	-	-
South Dakota	26	9,641	5,465,738	-	-	49	7,489	3,144,186	1	(D)
Texas	1	(D)	(D)	-	-	-	-	-	-	-
Utah	111	17,278	10,022,918	77	7,280	72	12,615	9,546,886	17	856
SORGHUM FOR GRAIN (BUSHELS)										
United States Total										
United States	26,242	6,769,834	482,452,865	4,483	845,214	33,172	6,755,326	333,485,523	4,300	705,103
States										
Alabama	78	5,827	215,276	2	(D)	110	6,531	252,654	6	287
Arizona	79	19,703	1,696,731	79	19,703	28	6,025	430,648	28	6,025
Arkansas	697	216,432	20,761,820	295	76,032	813	203,527	15,738,086	264	54,537
California	58	10,909	909,160	53	9,705	66	10,676	807,824	66	10,542
Colorado	380	153,196	5,750,890	112	10,818	278	89,568	1,879,280	63	8,542
Delaware	10	327	17,927	2	(D)	12	455	19,793	2	(D)
Florida	21	1,331	68,866	2	(D)	18	1,385	60,951	2	(D)
Georgia	428	44,694	1,935,793	75	5,556	314	25,904	1,019,355	35	2,815
Idaho	-	-	-	-	-	1	(D)	(D)	1	(D)
Illinois	731	76,601	5,960,150	8	156	664	56,921	4,510,917	8	95
Indiana	78	8,938	811,912	3	(D)	94	9,950	751,444	3	(D)
Iowa	40	2,113	174,761	-	-	38	2,355	142,814	-	-
Kansas	11,379	2,625,920	201,048,807	1,121	141,668	15,086	2,863,487	126,371,170	1,193	159,859
Kentucky	92	11,590	950,509	3	74	83	9,400	717,391	-	-
Louisiana	615	245,384	22,397,992	85	19,684	465	120,732	9,356,983	41	6,559
Maryland	79	4,895	217,697	5	40	75	3,133	131,777	3	72
Michigan	26	658	41,825	3	(D)	22	559	21,255	1	(D)
Minnesota	3	36	360	-	-	13	185	7,942	-	-
Mississippi	302	116,901	9,815,654	81	23,194	267	70,932	5,418,279	43	6,881
Missouri	1,085	105,483	9,922,598	54	3,293	2,020	204,007	16,603,961	88	9,478
Nebraska	1,901	236,607	22,177,229	299	19,445	2,871	331,074	16,898,323	321	16,587
Nevada	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
New Jersey	12	614	33,018	-	-	27	2,071	75,119	1	(D)
New Mexico	217	73,048	2,806,719	92	12,329	218	67,226	2,131,743	104	18,943
New York	26	717	35,804	-	-	41	562	14,067	2	(D)
North Carolina	210	8,635	394,040	20	434	128	7,805	328,816	16	368
North Dakota	-	-	-	-	-	18	1,439	47,785	1	(D)
Ohio	16	1,203	50,854	-	-	21	996	62,303	-	-
Oklahoma	966	219,883	11,682,402	137	21,043	1,264	262,032	11,166,761	163	28,137
Oregon	3	87	8,189	3	87	-	-	-	-	-
Pennsylvania	117	3,155	177,639	-	-	142	4,529	181,215	-	-
South Carolina	91	5,996	210,854	3	(D)	60	3,467	100,221	1	(D)
South Dakota	394	129,413	7,732,205	2	(D)	422	67,712	2,319,260	7	266
Tennessee	72	10,107	831,540	2	(D)	139	19,389	1,554,244	2	(D)
Texas	5,975	2,427,580	153,531,033	1,938	480,510	7,235	2,297,102	114,127,221	1,825	373,249

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SORGHUM FOR GRAIN (BUSHELS) - Con.										
States - Con.										
Utah	2	(D)	(D)	2	(D)	7	574	40,599	7	574
Vermont	1	(D)	(D)	-	-	-	-	-	-	-
Virginia	43	1,497	63,521	1	(D)	88	2,221	95,489	-	-
West Virginia	3	(D)	(D)	-	-	3	(D)	(D)	-	-
Wisconsin	11	242	12,774	-	-	19	1,294	93,075	2	(D)
Wyoming	-	-	-	-	-	1	(D)	(D)	-	-
SOYBEANS FOR BEANS (BUSHELS)										
United States Total										
United States	279,110	63,915,821	2,582,423,697	20,333	5,237,075	317,611	72,399,844	2,707,719,216	22,852	5,460,192
States										
Alabama	875	179,673	3,660,854	37	2,124	980	164,771	3,980,484	23	1,670
Arkansas	4,610	2,819,478	98,903,025	3,256	1,843,833	5,250	2,888,018	96,257,992	3,314	1,673,319
Colorado	34	2,948	148,420	24	1,882	37	5,302	179,254	33	4,523
Connecticut	6	294	13,365	1	(D)	1	(D)	(D)	-	-
Delaware	817	155,548	3,990,694	172	24,528	859	184,596	4,717,471	165	20,708
Florida	101	12,066	291,981	4	212	77	7,478	242,878	12	1,086
Georgia	1,617	280,220	7,970,113	340	35,285	1,108	136,138	3,083,878	159	17,301
Hawaii	-	-	-	-	-	1	(D)	(D)	1	(D)
Illinois	33,945	8,293,711	353,741,105	525	70,513	41,571	10,505,989	438,990,297	696	116,542
Indiana	21,973	4,783,821	211,074,079	628	82,454	25,212	5,761,363	235,450,361	558	84,571
Iowa	41,524	8,612,810	430,739,578	319	50,481	48,752	10,418,621	487,380,897	283	46,977
Kansas	13,232	2,591,428	82,719,224	1,610	261,588	13,622	2,534,974	57,946,285	1,966	312,149
Kentucky	4,129	1,087,037	29,582,097	52	10,147	5,645	1,343,039	43,939,662	47	5,550
Louisiana	1,455	593,815	24,717,263	321	95,413	1,840	660,650	20,736,686	303	73,597
Maine	14	766	22,570	-	-	18	940	34,009	-	-
Maryland	2,158	386,604	10,381,954	189	20,663	2,537	465,780	10,695,873	161	17,245
Massachusetts	5	247	10,530	-	-	8	127	2,632	2	(D)
Michigan	10,461	1,715,427	67,515,728	497	66,556	11,683	2,055,424	78,197,248	558	84,180
Minnesota	27,040	6,273,919	259,891,979	723	92,688	29,347	7,068,452	303,069,928	661	97,865
Mississippi	2,589	1,431,085	54,316,854	811	483,004	3,034	1,371,014	43,077,995	696	385,940
Missouri	18,388	4,672,738	165,947,323	1,249	365,094	21,687	5,001,858	165,048,253	1,292	348,286
Montana	8	409	16,084	7	(D)	12	(D)	(D)	10	(D)
Nebraska	16,620	3,834,855	189,547,373	8,088	1,570,110	20,074	4,571,558	173,029,716	10,050	1,923,066
New Hampshire	-	-	-	-	-	3	(D)	(D)	-	-
New Jersey	524	79,218	2,443,231	55	4,730	611	96,032	2,301,468	53	3,356
New Mexico	1	(D)	(D)	-	-	2	(D)	(D)	2	(D)
New York	1,347	199,775	7,456,657	2	(D)	1,128	139,435	4,472,702	24	768
North Carolina	6,896	1,380,792	29,142,115	325	13,830	7,596	1,314,672	31,026,968	305	16,353
North Dakota	5,779	3,073,981	106,556,290	85	12,513	5,308	2,629,364	87,793,840	87	16,387
Ohio	23,892	4,236,337	191,559,567	12	1,056	26,327	4,718,690	149,809,069	12	1,478
Oklahoma	813	180,878	4,559,245	89	12,497	1,167	246,962	6,218,396	90	11,499
Oregon	2	(D)	(D)	2	(D)	-	-	-	-	-
Pennsylvania	6,374	431,053	17,386,829	11	(D)	5,931	378,846	9,665,498	37	480
Rhode Island	-	-	-	-	-	1	(D)	(D)	-	-
South Carolina	1,920	442,461	7,833,696	106	8,943	1,741	350,272	5,897,022	73	7,300
South Dakota	9,862	3,222,872	130,377,538	348	52,661	11,593	4,087,380	126,607,265	514	89,353
Tennessee	2,967	976,011	18,552,793	37	4,077	3,974	1,088,889	33,646,638	38	9,435
Texas	371	93,453	3,439,765	86	16,269	902	196,340	5,415,147	239	45,446
Vermont	21	2,011	75,318	-	-	25	1,562	51,289	2	(D)
Virginia	2,104	490,396	12,624,547	90	8,007	2,576	467,210	11,025,598	112	7,994
Washington	8	725	27,781	5	385	-	-	-	-	-
West Virginia	115	13,717	480,186	-	-	126	16,359	621,463	-	-
Wisconsin	14,513	1,363,124	54,701,222	227	24,855	15,245	1,520,471	67,060,605	274	34,857
SUGARBEETS FOR SEED (POUNDS)										
United States Total										
United States	93	3,199	7,000,504	92	(D)	130	4,335	9,542,593	125	3,914
States										
California	-	-	-	-	-	1	(D)	(D)	1	(D)
Colorado	-	-	-	-	-	1	(D)	(D)	1	(D)
Michigan	-	-	-	-	-	5	421	(D)	-	-
New Jersey	1	(D)	(D)	-	-	-	-	-	-	-
Oregon	82	2,510	5,462,961	82	2,510	118	3,659	8,787,607	118	3,659
Texas	1	(D)	(D)	1	(D)	-	-	-	-	-
Utah	-	-	-	-	-	5	(D)	261,814	5	(D)
Washington	9	(D)	(D)	9	(D)	-	-	-	-	-
SUGARBEETS FOR SUGAR (TONS)										
United States Total										
United States	4,022	1,253,817	31,937,325	1,595	394,675	5,027	1,365,769	27,793,126	2,087	471,556
States										
California	155	42,984	1,539,394	155	42,984	228	55,692	2,063,080	228	55,680
Colorado	226	29,235	764,791	226	29,235	312	39,350	798,695	312	39,350
Idaho	507	163,598	5,631,170	507	163,598	655	202,932	4,934,966	655	202,932

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SUGARBEETS FOR SUGAR (TONS) - Con.										
States - Con.										
Kansas	-	-	-	-	-	1	(D)	(D)	1	(D)
Michigan	737	150,054	3,532,941	36	3,018	989	180,054	3,324,568	46	(D)
Minnesota	1,247	485,650	11,432,253	25	5,211	1,369	476,617	8,793,583	22	4,647
Montana	220	47,533	1,174,370	220	47,533	282	56,027	1,123,844	282	56,027
Nebraska	162	44,938	1,064,504	162	44,938	184	41,285	762,822	184	41,285
North Dakota	553	245,735	5,695,862	49	14,068	694	260,235	4,811,685	64	15,789
Ohio	-	-	-	-	-	21	1,530	32,380	1	(D)
Oregon	73	11,232	346,233	73	11,232	101	11,313	313,222	101	11,313
Utah	-	-	-	-	-	3	(D)	(D)	3	(D)
Washington	3	2,076	80,206	3	2,076	7	3,711	130,149	7	3,711
Wyoming	139	30,782	675,601	139	30,782	181	36,105	683,010	181	36,105
SUGARCANE FOR SEED (TONS)										
United States Total										
United States	443	50,722	1,771,160	85	22,527	585	51,598	1,726,198	89	22,176
States										
Florida	59	19,242	762,510	59	19,242	65	19,579	728,426	59	19,245
Hawaii	5	(D)	(D)	2	(D)	3	(D)	(D)	2	(D)
Louisiana	346	27,667	895,283	1	(D)	486	29,019	887,281	2	(D)
Texas	33	(D)	(D)	23	(D)	31	(D)	(D)	26	(D)
SUGARCANE FOR SUGAR (TONS)										
United States Total										
United States	692	846,666	31,127,405	219	435,205	953	978,393	35,319,767	276	496,608
States										
Florida	108	378,587	14,127,121	108	378,587	120	440,768	16,174,145	120	433,043
Hawaii	9	(D)	(D)	6	(D)	2	(D)	(D)	2	(D)
Louisiana	461	405,433	14,086,448	1	(D)	665	471,628	15,367,635	8	2,167
Texas	114	(D)	(D)	104	(D)	166	(D)	(D)	146	(D)
SUGARCANE NOT HARVESTED										
United States Total										
United States	7	(D)	(NA)	7	(D)	4	(D)	(NA)	2	(D)
States										
Hawaii	7	(D)	(NA)	7	(D)	4	(D)	(NA)	2	(D)
SUNFLOWER SEED, ALL (POUNDS)										
United States Total										
United States	6,403	2,000,153	2,820,962,445	608	102,219	7,506	1,833,435	2,042,510,240	571	70,363
States										
Alabama	7	19	13,720	-	-	27	158	59,912	-	-
Arkansas	1	(D)	(D)	-	-	5	174	155,298	2	(D)
California	111	27,913	29,776,645	98	23,937	154	18,129	21,455,613	112	15,366
Colorado	282	112,991	124,244,896	101	15,064	202	69,306	49,517,380	78	13,372
Connecticut	-	-	-	-	-	8	11	4,150	-	-
Delaware	3	(D)	(D)	-	-	3	(D)	(D)	-	-
Georgia	35	2,150	(D)	6	21	45	553	518,969	2	(D)
Idaho	1	(D)	(D)	1	(D)	3	(D)	(D)	3	(D)
Illinois	46	3,217	4,356,557	1	(D)	87	1,580	1,549,546	-	-
Indiana	2	(D)	(D)	1	(D)	30	307	343,938	2	(D)
Iowa	5	667	631,300	-	-	6	(D)	(D)	-	-
Kansas	681	156,378	220,194,520	161	27,853	896	119,127	105,943,758	150	19,714
Kentucky	14	82	40,100	-	-	17	54	32,541	-	-
Louisiana	1	(D)	(D)	-	-	4	73	38,886	-	-
Maine	1	(D)	(D)	1	(D)	2	(D)	(D)	2	(D)
Maryland	22	596	614,150	4	(D)	25	104	34,965	-	-
Massachusetts	1	(D)	(D)	-	-	3	3	(D)	1	(D)
Michigan	67	5,888	7,206,293	2	(D)	91	2,275	3,381,523	3	(D)
Minnesota	505	126,552	190,298,028	6	392	367	65,514	84,268,425	2	(D)
Mississippi	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Missouri	28	1,963	2,456,340	-	-	62	3,668	3,158,151	3	(D)
Montana	17	3,410	3,787,068	6	1,266	10	1,224	852,210	-	-
Nebraska	222	47,575	61,133,340	104	15,362	218	33,400	22,405,407	63	4,602
New Jersey	2	(D)	(D)	1	(D)	6	8	5,150	-	-
New Mexico	2	(D)	(D)	2	(D)	3	(D)	(D)	3	(D)
New York	28	357	367,672	-	-	82	502	379,813	12	14
North Carolina	29	402	383,562	-	-	94	523	225,311	6	9
North Dakota	3,000	1,054,584	1,496,184,686	7	1,065	3,555	1,128,498	1,409,006,958	5	511
Ohio	4	102	143,800	-	-	31	849	868,377	-	-
Oklahoma	20	3,626	6,574,767	4	1,956	23	4,711	8,000,456	6	1,632
Oregon	13	611	427,968	11	483	4	13	(D)	4	13

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SUNFLOWER SEED, ALL (POUNDS) - Con.										
States - Con.										
Pennsylvania	32	660	405,407	1	(D)	77	937	566,771	6	6
South Carolina	39	764	249,094	-	-	83	516	111,550	9	14
South Dakota	910	400,181	613,668,505	10	831	1,078	348,788	303,203,319	10	804
Tennessee	8	23	20,500	-	-	-	-	-	-	-
Texas	118	35,309	45,693,688	63	12,806	122	25,447	20,808,808	75	12,759
Utah	12	5,332	2,460,696	4	75	5	503	124,290	2	(D)
Vermont	2	(D)	(D)	-	-	3	(D)	60,100	-	-
Virginia	24	137	79,944	2	(D)	14	190	29,122	3	(D)
Washington	4	(D)	61,858	2	(D)	-	-	-	-	-
West Virginia	4	8	1,500	-	-	-	-	-	-	-
Wisconsin	78	3,722	4,449,621	-	-	46	2,076	2,774,463	1	(D)
Wyoming	21	4,668	3,292,514	9	843	14	3,313	1,531,650	6	523
SUNFLOWER SEED, OIL VARIETIES (POUNDS)										
United States Total										
United States	5,501	1,710,057	2,443,486,848	415	73,297	6,286	1,500,828	1,694,628,777	394	46,709
States										
Alabama	5	(D)	(D)	-	-	12	126	51,912	-	-
Arkansas	1	(D)	(D)	-	-	5	174	155,298	2	(D)
California	76	24,481	25,580,856	67	21,023	88	11,788	13,865,183	74	10,336
Colorado	230	100,012	105,210,708	62	9,412	145	53,398	33,431,916	42	7,236
Connecticut	-	-	-	-	-	8	11	4,150	-	-
Delaware	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Georgia	30	2,026	(D)	6	21	35	484	498,325	1	(D)
Idaho	-	-	-	-	-	2	(D)	(D)	2	(D)
Illinois	35	3,090	4,222,410	-	-	59	1,349	1,399,482	-	-
Indiana	1	(D)	(D)	-	-	22	282	332,638	2	(D)
Iowa	4	(D)	(D)	-	-	5	(D)	(D)	-	-
Kansas	613	139,856	197,522,403	131	22,077	836	109,355	96,365,605	125	16,666
Kentucky	11	(D)	(D)	-	-	12	27	13,841	-	-
Louisiana	-	-	-	-	-	1	(D)	(D)	-	-
Maine	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
Maryland	16	454	463,750	3	(D)	22	92	26,565	-	-
Massachusetts	1	(D)	(D)	-	-	-	-	-	-	-
Michigan	54	5,498	6,913,293	2	(D)	62	2,070	3,082,838	2	(D)
Minnesota	385	87,790	140,422,605	6	392	266	37,775	52,114,289	2	(D)
Mississippi	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Missouri	28	1,963	2,456,340	-	-	62	3,668	3,158,151	3	(D)
Montana	17	3,410	3,787,068	6	1,266	9	(D)	(D)	-	-
Nebraska	163	34,104	42,461,345	64	9,285	173	26,067	16,941,244	50	3,186
New Jersey	-	-	-	-	-	3	4	(D)	-	-
New Mexico	-	-	-	-	-	2	(D)	(D)	2	(D)
New York	21	339	366,572	-	-	63	438	363,693	8	8
North Carolina	15	105	63,350	-	-	63	281	171,207	4	(D)
North Dakota	2,666	894,159	1,294,632,956	7	1,065	3,089	930,893	1,180,923,684	5	511
Ohio	4	102	143,800	-	-	19	817	834,047	-	-
Oklahoma	20	3,626	6,574,767	4	1,956	22	(D)	(D)	5	(D)
Oregon	4	444	323,255	4	326	1	(D)	(D)	1	(D)
Pennsylvania	25	(D)	250,807	-	-	51	460	343,813	3	3
South Carolina	22	474	202,594	-	-	54	303	76,772	7	(D)
South Dakota	861	380,313	582,128,519	10	(D)	965	300,690	268,539,114	8	(D)
Tennessee	2	(D)	(D)	-	-	-	-	-	-	-
Texas	66	14,356	18,892,241	37	5,422	58	8,760	8,430,473	39	5,323
Utah	10	(D)	(D)	2	(D)	3	(D)	(D)	1	(D)
Vermont	2	(D)	(D)	-	-	2	(D)	(D)	-	-
Virginia	21	(D)	(D)	1	(D)	11	186	28,722	1	(D)
Washington	2	(D)	(D)	-	-	-	-	-	-	-
Wisconsin	72	3,569	4,329,221	-	-	40	2,036	2,719,263	1	(D)
Wyoming	15	3,834	2,384,332	2	(D)	12	2,424	803,250	3	(D)
SUNFLOWER SEED, NON-OIL VARIETIES (POUNDS)										
United States Total										
United States	1,135	290,096	377,475,597	206	28,922	1,477	332,607	347,881,463	193	23,654
States										
Alabama	2	(D)	(D)	-	-	15	32	8,000	-	-
California	40	3,432	4,195,789	35	2,914	74	6,341	7,590,430	43	5,030
Colorado	67	12,979	19,034,188	43	5,652	69	15,908	16,085,464	37	6,136
Delaware	2	(D)	(D)	-	-	1	(D)	(D)	-	-
Georgia	6	124	75,700	-	-	10	69	20,644	1	(D)
Idaho	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
Illinois	11	127	134,147	1	(D)	28	231	150,064	-	-
Indiana	1	(D)	(D)	1	(D)	8	25	11,300	-	-
Iowa	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Kansas	76	16,522	22,672,117	32	5,776	67	9,772	9,578,153	27	3,048
Kentucky	3	(D)	(D)	-	-	5	27	18,700	-	-
Louisiana	1	(D)	(D)	-	-	3	(D)	(D)	-	-
Maine	-	-	-	-	-	1	(D)	(D)	1	(D)
Maryland	6	142	150,400	1	(D)	4	12	8,400	-	-
Massachusetts	-	-	-	-	-	3	3	(D)	1	(D)

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SUNFLOWER SEED, NON-OIL VARIETIES (POUNDS) - Con.										
States - Con.										
Michigan	13	390	293,000	-	-	29	205	298,685	1	(D)
Minnesota	140	38,762	49,875,423	-	-	120	27,739	32,154,136	-	-
Montana	-	-	-	-	-	1	(D)	(D)	-	-
Nebraska	69	13,471	18,671,995	41	6,077	51	7,333	5,464,163	14	1,416
New Jersey	2	(D)	(D)	1	(D)	3	4	(D)	-	-
New Mexico	2	(D)	(D)	2	(D)	1	(D)	(D)	1	(D)
New York	7	18	1,100	-	-	21	64	16,120	6	6
North Carolina	14	297	320,212	-	-	31	242	54,104	2	(D)
North Dakota	487	160,425	201,551,730	-	-	627	197,605	228,083,274	-	-
Ohio	-	-	-	-	-	12	32	34,330	-	-
Oklahoma	-	-	-	-	-	1	(D)	(D)	1	(D)
Oregon	9	167	104,713	7	157	3	(D)	300	3	(D)
Pennsylvania	8	(D)	154,600	1	(D)	27	477	222,958	3	3
South Carolina	17	290	46,500	-	-	29	213	34,778	2	(D)
South Dakota	62	19,868	31,539,986	1	(D)	143	48,098	34,664,205	2	(D)
Tennessee	6	(D)	(D)	-	-	-	-	-	-	-
Texas	57	20,953	26,801,447	27	7,384	71	16,687	12,378,335	41	7,436
Utah	2	(D)	(D)	2	(D)	2	(D)	(D)	1	(D)
Vermont	-	-	-	-	-	1	(D)	(D)	-	-
Virginia	3	(D)	(D)	1	(D)	3	4	400	2	(D)
Washington	2	(D)	(D)	2	(D)	-	-	-	-	-
West Virginia	4	8	1,500	-	-	-	-	-	-	-
Wisconsin	6	153	120,400	-	-	6	40	55,200	-	-
Wyoming	8	834	908,182	7	(D)	5	889	728,400	3	(D)
TOBACCO (POUNDS)										
United States Total										
United States	16,234	359,846	778,301,825	2,572	71,578	56,977	428,631	873,350,412	5,923	97,355
States										
Alabama	-	-	-	-	-	8	199	431,600	-	-
Connecticut	76	3,128	5,293,517	26	1,600	80	1,925	3,287,837	46	1,272
Florida	23	1,040	3,061,788	15	714	115	3,851	9,609,134	78	3,283
Georgia	224	17,989	39,810,076	141	9,006	822	25,060	49,998,195	436	16,288
Illinois	13	827	1,656,819	1	(D)	6	268	513,940	1	(D)
Indiana	267	2,174	4,525,089	9	219	1,282	4,034	7,411,634	57	317
Iowa	-	-	-	-	-	3	8	17,678	-	-
Kansas	-	-	-	-	-	12	(D)	(D)	3	(D)
Kentucky	8,113	87,641	196,259,377	999	13,999	29,237	110,734	219,978,920	2,226	15,026
Louisiana	-	-	-	-	-	6	301	(D)	6	301
Maryland	70	423	842,793	44	246	159	1,162	1,739,926	34	233
Massachusetts	60	1,324	2,328,982	18	310	50	1,113	1,792,954	24	653
Mississippi	-	-	-	-	-	7	158	256,301	-	-
Missouri	111	1,577	3,557,585	4	(D)	338	1,460	3,228,580	7	65
New York	-	-	-	-	-	1	(D)	(D)	1	(D)
North Carolina	2,622	170,083	365,958,031	742	31,212	7,850	167,677	353,125,841	1,645	40,437
Ohio	475	3,499	6,811,760	2	(D)	1,845	5,764	10,108,789	10	90
Pennsylvania	1,152	7,886	18,811,546	27	132	897	5,470	9,677,757	59	245
South Carolina	260	20,084	44,660,005	17	688	873	30,241	57,551,827	54	1,080
Tennessee	1,610	20,109	38,652,986	233	3,217	8,206	35,960	73,563,865	486	3,410
Virginia	895	20,881	43,338,678	291	10,006	4,184	30,308	64,751,252	743	14,499
West Virginia	68	248	478,054	3	(D)	544	1,373	1,874,110	3	(D)
Wisconsin	195	934	2,254,739	-	-	452	1,517	3,807,667	4	3
TRITICALE (BUSHELS)										
United States Total										
United States	464	49,636	2,533,989	124	14,600	290	20,292	890,690	94	7,027
States										
California	20	3,960	374,765	10	2,594	5	551	13,516	2	(D)
Colorado	50	4,453	169,135	16	1,022	11	649	14,404	4	337
Idaho	24	3,369	187,457	19	2,536	9	650	35,931	5	(D)
Illinois	1	(D)	(D)	-	-	-	-	-	-	-
Indiana	1	(D)	(D)	1	(D)	1	(D)	(D)	-	-
Iowa	5	148	9,760	-	-	2	(D)	(D)	-	-
Kansas	52	6,106	307,168	9	815	50	6,588	291,269	5	1,064
Maine	4	31	1,502	-	-	-	-	-	-	-
Maryland	8	468	28,538	-	-	6	80	1,052	-	-
Michigan	1	(D)	(D)	-	-	3	(D)	(D)	-	-
Minnesota	9	730	19,836	-	-	2	(D)	(D)	-	-
Missouri	4	149	5,803	-	-	1	(D)	(D)	-	-
Montana	10	677	24,919	4	249	9	683	11,544	3	(D)
Nebraska	19	1,122	43,840	1	(D)	20	1,563	36,395	7	432
Nevada	1	(D)	(D)	1	(D)	5	132	(D)	5	132
New Mexico	4	296	4,586	4	296	8	351	11,134	8	351
New York	62	2,407	115,853	-	-	33	744	25,191	2	(D)
North Carolina	6	271	10,826	-	-	1	(D)	(D)	-	-
North Dakota	8	814	32,277	-	-	2	(D)	(D)	-	-
Ohio	3	(D)	(D)	-	-	5	51	2,120	-	-
Oklahoma	13	1,583	24,475	-	-	12	858	20,486	-	-
Oregon	22	1,712	133,900	16	1,130	31	1,869	140,062	20	1,180
Pennsylvania	5	71	4,948	-	-	13	123	4,323	2	(D)
South Carolina	1	(D)	(D)	-	-	2	(D)	(D)	-	-

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
TRITICALE (BUSHELS) - Con.										
States - Con.										
South Dakota	15	1,587	40,644	-	-	-	-	-	-	-
Texas	31	7,264	400,810	17	3,878	18	2,032	103,779	10	1,482
Utah	4	180	15,671	2	(D)	5	260	15,242	5	260
Virginia	6	222	12,115	-	-	1	(D)	(D)	-	-
Washington	58	9,427	481,099	23	1,454	26	2,288	122,442	16	1,169
West Virginia	1	(D)	(D)	-	-	-	-	-	-	-
Wisconsin	12	904	16,767	-	-	9	180	4,510	-	-
Wyoming	4	923	(D)	1	(D)	-	-	-	-	-
WILD RICE (CWT)										
United States Total										
United States	94	57,204	646,598	86	47,916	97	38,007	285,594	96	37,982
States										
California	61	20,873	322,694	61	20,873	54	13,871	178,187	54	13,871
Idaho	4	369	428	2	(D)	-	-	-	-	-
Michigan	1	(D)	(D)	-	-	-	-	-	-	-
Minnesota	22	35,221	320,696	17	26,083	38	23,488	106,521	38	23,488
Oregon	2	(D)	(D)	2	(D)	2	(D)	(D)	1	(D)
Wisconsin	4	391	1,700	4	391	3	(D)	(D)	3	(D)
WHEAT FOR GRAIN, ALL (BUSHELS)										
United States Total										
United States	160,810	50,932,969	1,993,648,378	15,213	3,364,079	169,528	45,519,976	1,577,005,140	13,330	2,910,181
States										
Alabama	520	76,202	3,123,596	13	1,116	507	57,650	2,278,237	6	304
Arizona	201	85,567	8,715,906	201	85,567	232	100,078	9,600,854	232	100,078
Arkansas	2,112	696,681	27,859,060	199	65,896	2,971	770,551	34,967,687	201	43,179
California	1,191	354,165	30,224,394	1,000	300,284	1,573	410,369	33,590,674	1,278	338,749
Colorado	3,695	2,369,096	88,427,841	1,063	164,702	3,236	1,666,332	37,528,989	875	138,415
Connecticut	3	55	2,300	1	(D)	4	52	3,250	1	(D)
Delaware	340	54,546	3,635,755	88	10,541	371	53,497	3,604,610	64	6,581
Florida	79	9,157	497,844	3	(D)	68	6,108	211,973	5	(D)
Georgia	1,332	228,959	9,206,001	268	32,440	1,305	185,301	7,664,451	169	19,022
Idaho	2,850	1,191,086	84,614,401	1,908	529,424	2,736	1,201,942	78,507,447	1,793	502,284
Illinois	9,416	891,567	47,291,213	94	8,119	8,592	581,084	27,923,042	34	2,754
Indiana	5,058	362,571	19,693,426	89	6,960	5,907	299,873	15,345,210	30	2,862
Iowa	577	29,512	1,383,753	9	(D)	412	18,317	961,995	1	(D)
Kansas	22,630	8,527,780	270,115,386	2,123	517,995	24,236	8,080,854	262,980,052	1,739	423,549
Kentucky	1,414	239,267	11,108,925	2	(D)	2,145	318,856	16,447,721	2	(D)
Louisiana	815	215,177	11,502,018	44	7,652	690	148,926	5,708,218	33	2,155
Maine	13	512	22,474	1	(D)	12	302	(D)	1	(D)
Maryland	1,497	166,713	10,717,293	64	4,631	1,629	162,062	10,625,133	38	2,040
Massachusetts	7	(D)	(D)	2	(D)	5	(D)	(D)	-	-
Michigan	6,263	523,153	33,583,908	122	6,420	6,561	433,783	28,248,938	81	5,396
Minnesota	6,727	1,718,565	82,488,109	93	8,731	7,023	1,920,238	64,609,805	33	3,376
Mississippi	1,006	331,767	18,175,120	64	10,698	796	151,317	5,980,347	55	7,389
Missouri	7,640	881,227	36,293,751	194	40,715	8,475	811,586	34,888,755	191	37,472
Montana	5,460	5,059,916	147,533,888	897	161,697	5,504	4,876,699	112,449,587	659	111,490
Nebraska	8,037	1,964,302	81,748,076	1,711	256,119	6,674	1,526,775	50,299,684	784	101,120
Nevada	42	12,826	1,279,268	42	12,826	34	4,687	383,563	34	4,687
New Hampshire	1	(D)	(D)	-	-	1	(D)	(D)	1	(D)
New Jersey	318	27,991	1,426,039	21	1,174	418	30,460	1,717,558	23	1,043
New Mexico	535	302,958	8,236,505	204	61,986	415	161,341	4,212,138	233	70,373
New York	1,058	84,955	4,544,032	-	-	1,488	115,680	6,639,707	31	698
North Carolina	3,184	511,713	19,917,842	171	6,560	3,488	446,438	18,926,777	133	8,311
North Dakota	12,303	8,428,462	293,464,779	99	15,978	12,908	7,909,124	215,655,462	114	19,186
Ohio	11,485	732,106	42,997,358	-	-	14,340	796,085	46,929,358	1	(D)
Oklahoma	8,744	3,421,098	89,968,524	522	134,620	9,611	3,592,828	102,044,001	371	92,003
Oregon	1,406	855,052	43,969,219	524	89,923	1,823	837,251	34,080,499	683	95,062
Pennsylvania	4,577	152,528	8,949,116	-	-	5,499	172,137	8,936,589	40	265
Rhode Island	-	-	-	-	-	1	(D)	(D)	-	-
South Carolina	726	136,766	3,986,026	47	3,342	967	155,776	5,710,029	48	3,905
South Dakota	7,163	3,341,778	141,003,068	75	8,394	5,007	1,596,086	42,413,607	59	5,618
Tennessee	1,358	254,944	10,445,442	12	875	1,780	279,978	13,061,055	5	1,539
Texas	8,565	3,844,241	134,643,897	2,021	595,275	9,031	2,664,425	75,131,556	1,868	498,134
Utah	602	137,404	5,771,071	442	41,319	568	112,714	3,847,763	408	34,928
Vermont	9	379	13,722	-	-	14	775	38,443	-	-
Virginia	1,348	200,342	12,345,217	44	1,500	1,793	174,887	10,213,252	19	822
Washington	2,612	2,096,350	120,617,390	614	155,021	3,414	2,355,451	128,410,931	873	217,031
West Virginia	122	5,960	336,553	-	-	148	6,408	303,924	-	-
Wisconsin	5,422	280,464	18,789,893	22	1,501	4,801	194,863	11,693,175	15	678
Wyoming	347	127,051	2,978,072	100	10,538	315	129,979	2,213,032	66	7,109

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
WINTER WHEAT FOR GRAIN (BUSHELS)										
United States Total										
United States	136,103	35,785,969	1,444,540,438	12,669	2,654,048	141,062	29,303,293	1,104,334,391	10,805	2,222,029
States										
Alabama	520	76,202	3,123,596	13	1,116	507	57,650	2,278,237	6	304
Arizona	18	4,044	353,709	18	4,044	30	6,486	557,027	30	6,486
Arkansas	2,112	696,681	27,859,060	199	65,896	2,971	770,551	34,967,687	201	43,179
California	879	249,704	20,157,552	686	196,420	1,228	313,495	23,935,058	944	243,950
Colorado	3,566	2,343,606	86,598,055	964	148,489	3,165	1,647,856	36,056,384	827	127,263
Connecticut	3	55	2,300	1	(D)	4	52	3,250	1	(D)
Delaware	340	54,546	3,635,755	88	10,541	371	53,497	3,604,610	64	6,581
Florida	79	9,157	497,844	3	(D)	68	6,108	211,973	5	(D)
Georgia	1,332	228,959	9,206,001	268	32,440	1,305	185,301	7,664,451	169	19,022
Idaho	2,059	729,704	52,991,573	1,216	(D)	1,923	675,290	47,642,293	1,095	(D)
Illinois	9,407	891,399	47,282,936	94	8,119	8,592	581,084	27,923,042	34	2,754
Indiana	5,058	362,571	19,693,426	89	6,960	5,907	299,873	15,345,210	30	2,862
Iowa	526	27,836	1,305,539	9	(D)	405	18,038	952,550	1	(D)
Kansas	22,630	8,527,780	270,115,386	2,123	517,995	24,236	8,080,854	262,980,052	1,739	423,549
Kentucky	1,414	239,267	11,108,925	2	(D)	2,145	318,856	16,447,721	2	(D)
Louisiana	815	215,177	11,502,018	44	7,652	690	148,926	5,708,218	33	2,155
Maine	6	129	6,994	-	-	10	(D)	(D)	1	(D)
Maryland	1,495	(D)	(D)	64	4,631	1,629	162,062	10,625,133	38	2,040
Massachusetts	7	(D)	(D)	2	(D)	5	(D)	(D)	-	-
Michigan	6,217	520,601	33,481,512	122	6,420	6,488	430,193	28,080,725	81	5,396
Minnesota	683	(D)	(D)	6	(D)	475	28,951	996,753	3	(D)
Mississippi	1,006	331,767	18,175,120	64	10,698	796	151,317	5,980,347	55	7,389
Missouri	7,640	881,227	36,293,751	194	40,715	8,475	811,586	34,888,755	191	37,472
Montana	3,000	2,194,539	81,551,235	294	40,439	1,481	784,931	21,003,608	103	13,259
Nebraska	7,895	1,955,736	81,449,590	1,681	253,681	6,673	1,526,025	50,291,179	784	(D)
Nevada	37	11,838	1,190,936	37	11,838	26	3,109	268,529	26	3,109
New Hampshire	1	(D)	(D)	-	-	1	(D)	(D)	1	(D)
New Jersey	318	27,991	1,426,039	21	1,174	418	30,460	1,717,558	23	1,043
New Mexico	520	300,539	8,098,467	192	60,149	415	161,341	4,212,138	233	70,373
New York	1,012	82,172	4,422,712	-	-	1,482	115,300	6,630,107	31	698
North Carolina	3,184	511,713	19,917,842	171	6,560	3,488	446,438	18,926,777	133	8,311
North Dakota	1,434	446,115	21,336,301	3	456	315	65,965	2,155,698	-	-
Ohio	11,485	732,106	42,997,358	-	-	14,340	796,085	46,929,358	1	(D)
Oklahoma	8,744	3,421,098	89,968,524	522	134,620	9,611	3,592,828	102,044,001	371	92,003
Oregon	1,151	736,558	38,177,598	381	(D)	1,566	711,909	29,537,602	518	68,492
Pennsylvania	4,577	152,528	8,949,116	-	-	5,499	172,137	8,936,589	40	265
Rhode Island	-	-	-	-	-	1	(D)	(D)	-	-
South Carolina	726	136,766	3,986,026	47	3,342	967	155,776	5,710,029	48	3,905
South Dakota	4,461	1,995,368	89,916,077	57	6,533	2,151	646,340	18,789,968	28	2,073
Tennessee	1,358	254,944	10,445,442	12	875	1,780	279,978	13,061,055	5	1,539
Texas	8,493	3,825,581	134,070,553	2,012	592,648	9,028	2,663,505	75,101,434	1,867	(D)
Utah	546	129,946	5,386,467	390	37,461	492	102,245	3,437,995	348	30,515
Vermont	5	(D)	(D)	-	-	13	(D)	(D)	-	-
Virginia	1,348	200,342	12,345,217	44	1,500	1,793	174,887	10,213,252	19	822
Washington	2,303	1,652,961	100,463,766	429	112,393	3,002	1,802,614	104,532,829	608	153,767
West Virginia	122	5,960	336,553	-	-	148	6,408	303,924	-	-
Wisconsin	5,257	272,964	18,539,559	21	(D)	4,653	188,363	11,485,097	12	508
Wyoming	314	120,970	2,809,154	86	9,252	294	127,643	2,148,529	56	6,285
DURUM WHEAT FOR GRAIN (BUSHELS)										
United States Total										
United States	3,723	2,138,734	73,201,303	553	188,151	5,325	2,717,841	81,170,077	683	210,670
States										
Arizona	188	81,523	8,362,197	188	81,523	208	93,592	9,043,827	208	93,592
California	239	(D)	7,821,257	239	(D)	321	88,399	8,963,903	318	87,643
Colorado	32	(D)	(D)	26	4,921	4	416	50,517	3	(D)
Idaho	32	14,485	1,166,722	30	(D)	29	8,434	620,629	28	(D)
Minnesota	64	(D)	(D)	1	(D)	27	4,156	147,547	-	-
Montana	641	471,705	11,634,753	33	3,392	862	564,640	13,032,110	52	8,316
New Mexico	2	(D)	(D)	2	(D)	-	-	-	-	-
North Dakota	2,487	1,462,666	42,689,608	31	5,168	3,807	1,945,910	48,877,517	62	10,878
Oregon	5	165	13,380	1	(D)	-	-	-	-	-
South Dakota	24	7,403	184,348	-	-	46	6,364	127,822	-	-
Washington	9	1,793	138,646	2	(D)	21	5,930	306,205	12	(D)
OTHER SPRING WHEAT FOR GRAIN (BUSHELS)										
United States Total										
United States	28,733	13,008,266	475,906,637	2,681	521,880	30,333	13,498,842	391,500,672	2,581	477,482
States										
California	114	(D)	2,245,585	111	(D)	83	8,475	691,713	69	7,156
Colorado	127	(D)	(D)	85	11,292	96	18,060	1,422,088	58	(D)
Idaho	1,423	446,897	30,456,106	953	265,911	1,505	518,218	30,244,525	968	258,865
Illinois	12	168	8,277	-	-	-	-	-	-	-
Iowa	53	1,676	78,214	-	-	7	279	9,445	-	-
Maine	11	383	15,480	1	(D)	3	(D)	(D)	-	-
Maryland	2	(D)	(D)	-	-	-	-	-	-	-
Massachusetts	1	(D)	(D)	-	-	-	-	-	-	-

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Table 26. **Field Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
OTHER SPRING WHEAT FOR GRAIN (BUSHELS) - Con.										
States - Con.										
Michigan	55	2,552	102,396	-	-	116	3,590	168,213	-	-
Minnesota	6,217	1,646,309	79,279,840	88	(D)	6,688	1,887,131	63,465,505	30	(D)
Montana	3,621	2,393,672	54,347,900	699	117,866	4,515	3,527,128	78,413,869	561	89,915
Nebraska	164	8,566	298,486	35	2,438	6	750	8,505	1	(D)
Nevada	8	988	88,332	8	988	10	1,578	115,034	10	1,578
New Mexico	13	(D)	(D)	10	(D)	-	-	-	-	-
New York	76	2,783	121,320	-	-	7	380	9,600	-	-
North Dakota	10,670	6,519,681	229,438,870	70	10,354	10,988	5,897,249	164,622,247	56	8,308
Oregon	525	118,329	5,778,241	229	(D)	585	125,342	4,542,897	261	26,570
South Dakota	4,000	1,339,007	50,902,643	24	1,861	3,593	943,382	23,495,817	34	3,545
Texas	78	18,660	573,344	9	2,627	3	920	30,122	1	(D)
Utah	86	7,458	384,604	72	3,858	127	10,469	409,768	84	4,413
Vermont	6	(D)	(D)	-	-	1	(D)	(D)	-	-
Washington	1,232	441,596	20,014,978	272	(D)	1,792	546,907	23,571,897	435	(D)
Wisconsin	202	7,500	250,334	1	(D)	183	6,500	208,078	3	170
Wyoming	37	6,081	168,918	14	1,286	25	2,336	64,503	10	824

Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
FIELD AND GRASS SEED CROPS, ALL (SEE TEXT)										
United States Total										
United States	6,038	1,178,726	(X)	1,457	323,441	10,332	1,422,133	(X)	1,705	271,935
States										
Alabama	36	(D)	(X)	4	76	134	5,449	(X)	6	222
Alaska	7	337	(X)	3	97	8	324	(X)	4	65
Arizona	88	19,275	(X)	87	19,231	39	7,678	(X)	39	7,678
Arkansas	31	2,734	(X)	-	-	157	11,976	(X)	-	-
California	176	68,948	(X)	167	68,197	269	67,838	(X)	263	67,601
Colorado	21	2,771	(X)	15	2,499	39	2,810	(X)	21	848
Connecticut	2	(D)	(X)	-	-	-	-	(X)	-	-
Florida	99	14,264	(X)	13	(D)	169	20,131	(X)	14	1,100
Georgia	50	6,414	(X)	6	(D)	64	8,007	(X)	5	(D)
Idaho	311	70,933	(X)	128	16,161	442	94,130	(X)	200	25,575
Illinois	48	1,029	(X)	-	-	88	2,354	(X)	-	-
Indiana	6	201	(X)	1	(D)	14	249	(X)	-	-
Iowa	24	1,111	(X)	-	-	87	2,757	(X)	-	-
Kansas	161	15,667	(X)	5	782	640	54,589	(X)	7	818
Kentucky	139	5,141	(X)	8	131	59	2,973	(X)	-	-
Louisiana	3	(D)	(X)	1	(D)	1	(D)	(X)	-	-
Maine	1	(D)	(X)	-	-	-	-	(X)	-	-
Maryland	1	(D)	(X)	-	-	25	274	(X)	-	-
Massachusetts	-	-	(X)	-	-	1	(D)	(X)	-	-
Michigan	62	2,174	(X)	4	50	112	3,311	(X)	1	(D)
Minnesota	146	43,585	(X)	9	560	213	41,844	(X)	3	(D)
Mississippi	26	1,147	(X)	-	-	57	1,645	(X)	4	108
Missouri	1,884	176,138	(X)	2	(D)	4,096	355,850	(X)	12	588
Montana	147	31,008	(X)	70	12,889	155	22,086	(X)	64	6,489
Nebraska	60	3,769	(X)	13	1,183	97	5,230	(X)	12	935
Nevada	19	6,498	(X)	19	6,498	22	8,557	(X)	22	8,557
New Jersey	5	71	(X)	-	-	-	-	(X)	-	-
New Mexico	25	741	(X)	21	410	41	1,094	(X)	39	889
New York	53	2,420	(X)	-	-	211	8,435	(X)	8	(D)
North Carolina	13	784	(X)	-	-	136	4,563	(X)	-	-
North Dakota	7	379	(X)	-	-	18	1,121	(X)	2	(D)
Ohio	33	1,081	(X)	-	-	178	3,941	(X)	-	-
Oklahoma	120	8,783	(X)	5	1,227	201	15,189	(X)	8	815
Oregon	1,258	556,876	(X)	555	129,860	1,413	545,519	(X)	563	93,298
Pennsylvania	40	883	(X)	-	-	92	3,115	(X)	1	(D)
South Carolina	44	1,033	(X)	3	(D)	39	1,640	(X)	-	-
South Dakota	92	10,784	(X)	2	(D)	87	7,575	(X)	9	416
Tennessee	21	510	(X)	-	-	65	1,952	(X)	-	-
Texas	245	13,397	(X)	49	3,009	207	8,818	(X)	22	2,280
Utah	61	4,235	(X)	56	3,790	83	5,155	(X)	76	3,416
Vermont	3	32	(X)	-	-	1	(D)	(X)	-	-
Virginia	101	2,180	(X)	4	24	48	1,119	(X)	-	-
Washington	284	81,081	(X)	135	39,928	388	81,548	(X)	224	40,046
West Virginia	-	-	(X)	-	-	2	(D)	(X)	-	-
Wisconsin	8	1,328	(X)	2	(D)	60	5,033	(X)	2	(D)
Wyoming	77	13,216	(X)	70	11,754	74	6,162	(X)	74	6,156
ALFALFA SEED (POUNDS)										
United States Total										
United States	806	121,467	62,115,239	569	102,958	1,234	110,617	58,020,460	740	87,177
States										
Arizona	53	5,206	1,902,669	53	5,206	21	2,511	574,020	21	2,511
California	114	36,625	19,083,458	114	36,625	153	27,160	15,543,144	153	27,160
Colorado	8	1,815	(D)	7	1,807	15	406	58,293	11	323
Idaho	92	12,788	9,346,709	88	12,011	164	17,126	13,910,135	160	17,036
Iowa	5	(D)	(D)	-	-	52	471	12,467	-	-
Kansas	5	342	22,430	-	-	144	8,272	1,133,502	4	55
Michigan	10	(D)	15,610	-	-	10	114	8,870	-	-
Minnesota	17	611	63,461	4	(D)	23	658	59,245	-	-
Missouri	19	399	40,540	-	-	18	362	29,709	-	-
Montana	80	10,338	3,729,635	42	6,385	83	6,824	2,024,033	51	5,112
Nebraska	29	545	21,216	2	(D)	59	1,470	109,428	4	84
Nevada	19	6,498	4,237,101	19	6,498	22	(D)	4,695,737	22	(D)
New Mexico	15	310	29,907	15	310	33	697	75,036	33	697
New York	3	27	6,180	-	-	17	1,165	101,827	-	-
North Dakota	6	(D)	34,784	-	-	13	695	38,482	2	(D)
Ohio	1	(D)	(D)	-	-	3	(D)	2,520	-	-
Oklahoma	29	2,004	281,121	1	(D)	47	2,266	335,878	1	(D)
Oregon	32	4,959	3,183,375	32	4,959	62	5,605	3,783,887	60	5,558
Pennsylvania	-	-	-	-	-	3	(D)	480	-	-
South Dakota	47	6,014	428,447	-	-	67	5,456	327,576	3	(D)
Texas	24	546	79,885	23	536	9	606	77,600	5	412
Utah	54	3,803	2,077,813	51	3,516	68	2,596	830,889	62	2,057
Washington	82	17,127	10,860,608	63	15,233	103	14,161	11,887,387	103	14,161
Wyoming	62	10,548	5,915,816	55	9,586	45	4,049	2,400,315	45	4,049

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
BAHIA GRASS SEED (POUNDS)										
United States Total										
United States	184	17,326	1,884,964	13	1,196	443	29,021	2,274,519	22	1,388
States										
Alabama	9	(D)	(D)	-	-	84	3,104	406,163	2	(D)
Florida	93	13,652	1,440,046	11	(D)	167	19,916	1,303,522	14	1,100
Georgia	7	393	56,000	-	-	5	218	66,650	1	(D)
Louisiana	1	(D)	(D)	-	-	-	-	-	-	-
Mississippi	15	694	151,331	-	-	23	942	126,148	1	(D)
Oklahoma	1	(D)	(D)	-	-	8	385	27,940	2	(D)
South Carolina	3	(D)	1,634	1	(D)	17	191	5,810	-	-
Texas	55	1,571	203,023	1	(D)	139	4,265	338,286	2	(D)
BENTGRASS SEED (POUNDS)										
United States Total										
United States	64	(D)	(D)	34	3,812	79	(D)	(D)	50	(D)
States										
Illinois	1	(D)	(D)	-	-	-	-	-	-	-
Oregon	63	6,809	3,921,751	34	3,812	77	9,361	4,634,289	48	4,726
Washington	-	-	-	-	-	2	(D)	(D)	2	(D)
BERMUDA GRASS SEED (POUNDS)										
United States Total										
United States	176	37,750	16,115,285	114	36,134	184	42,617	16,757,215	128	39,429
States										
Arizona	27	6,797	2,971,124	26	6,753	18	4,487	1,566,360	18	4,487
Arkansas	-	-	-	-	-	2	(D)	(D)	-	-
California	73	28,321	12,693,167	73	28,041	105	34,281	14,499,181	105	34,281
Colorado	-	-	-	-	-	1	(D)	(D)	-	-
Georgia	5	128	19,200	1	(D)	-	-	-	-	-
Indiana	1	(D)	(D)	1	(D)	-	-	-	-	-
Kansas	1	(D)	(D)	1	(D)	-	-	-	-	-
Louisiana	1	(D)	(D)	1	(D)	-	-	-	-	-
Mississippi	7	66	4,101	-	-	21	337	29,535	1	(D)
New Mexico	1	(D)	(D)	1	(D)	-	-	-	-	-
Oklahoma	24	1,802	348,350	4	(D)	25	1,368	156,837	3	(D)
Oregon	-	-	-	-	-	3	1,580	400,000	-	-
South Carolina	3	21	10,500	-	-	-	-	-	-	-
Texas	33	534	58,698	6	79	9	532	100,902	1	(D)
BIRDSFOOT TREFOIL SEED (POUNDS)										
United States Total										
United States	20	1,014	72,825	1	(D)	89	4,676	418,343	1	(D)
States										
California	1	(D)	(D)	1	(D)	-	-	-	-	-
Michigan	7	409	13,025	-	-	37	962	56,481	1	(D)
Minnesota	4	(D)	9,400	-	-	10	390	46,580	-	-
New York	5	65	(D)	-	-	13	(D)	(D)	-	-
Pennsylvania	-	-	-	-	-	1	(D)	(D)	-	-
Wisconsin	3	402	46,000	-	-	28	2,929	290,146	-	-
BROMEGRASS SEED (POUNDS)										
United States Total										
United States	80	5,287	1,307,702	14	550	236	16,082	5,000,215	23	809
States										
Colorado	4	19	682	4	19	6	87	(D)	5	38
Idaho	5	408	299,259	-	-	7	530	305,064	1	(D)
Iowa	-	-	-	-	-	1	(D)	(D)	-	-
Kansas	39	3,220	558,633	-	-	159	11,948	3,032,108	1	(D)
Kentucky	-	-	-	-	-	2	(D)	(D)	-	-
Minnesota	2	(D)	(D)	-	-	3	(D)	3,800	-	-
Missouri	8	130	8,918	-	-	8	90	6,475	-	-
Montana	3	150	45,000	3	150	2	(D)	(D)	1	(D)
Nebraska	7	204	59,960	2	(D)	12	437	30,270	-	-
New Mexico	2	(D)	(D)	2	(D)	-	-	-	-	-
New York	-	-	-	-	-	2	(D)	(D)	-	-
Oklahoma	2	(D)	(D)	-	-	1	(D)	(D)	1	(D)
Oregon	1	(D)	(D)	-	-	7	483	508,444	2	(D)
Pennsylvania	-	-	-	-	-	1	(D)	(D)	-	-
South Dakota	2	(D)	(D)	-	-	-	-	-	-	-
Utah	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
BROMEGRASS SEED (POUNDS) - Con.										
States - Con.										
Virginia	-	-	-	-	-	1	(D)	(D)	-	-
Washington	1	(D)	(D)	-	-	15	1,471	722,549	3	310
Wyoming	3	(D)	(D)	2	(D)	8	304	148,256	8	304
CRIMSON CLOVER SEED (POUNDS)										
United States Total										
United States	67	3,496	2,602,578	11	457	56	3,166	2,002,569	9	507
States										
Alabama	-	-	-	-	-	3	(D)	8,600	-	-
Georgia	2	(D)	(D)	-	-	1	(D)	(D)	1	(D)
Michigan	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Missouri	1	(D)	(D)	-	-	3	(D)	1,290	-	-
New York	3	87	10,800	-	-	-	-	-	-	-
North Carolina	1	(D)	(D)	-	-	-	-	-	-	-
Oregon	54	3,022	2,469,588	9	(D)	45	2,311	1,738,179	7	(D)
Texas	1	(D)	(D)	1	(D)	-	-	-	-	-
Virginia	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Washington	3	(D)	57,200	1	(D)	-	-	-	-	-
Wyoming	-	-	-	-	-	1	(D)	(D)	1	(D)
FESCUE SEED (POUNDS)										
United States Total										
United States	2,917	386,122	303,243,394	272	39,930	5,172	565,691	323,023,498	280	34,491
States										
Alabama	6	476	225,600	-	-	36	1,155	172,360	2	(D)
Alaska	1	(D)	(D)	1	(D)	-	-	-	-	-
Arkansas	29	(D)	370,868	-	-	147	11,331	2,485,471	-	-
California	1	(D)	(D)	1	(D)	-	-	-	-	-
Colorado	-	-	-	-	-	1	(D)	(D)	1	(D)
Florida	5	(D)	(D)	2	(D)	1	(D)	(D)	-	-
Georgia	22	307	84,208	2	(D)	39	537	70,720	2	(D)
Idaho	13	742	385,546	3	148	21	1,743	740,406	4	221
Illinois	-	-	-	-	-	6	82	10,606	-	-
Indiana	-	-	-	-	-	3	(D)	258	-	-
Iowa	-	-	-	-	-	3	65	(D)	-	-
Kansas	67	8,228	1,335,081	-	-	165	21,323	4,599,538	-	-
Kentucky	118	4,596	1,090,602	6	(D)	41	2,469	427,547	-	-
Minnesota	1	(D)	(D)	-	-	-	-	-	-	-
Mississippi	1	(D)	(D)	-	-	7	286	31,220	-	-
Missouri	1,765	170,074	30,452,161	2	(D)	3,548	319,954	64,790,097	7	(D)
Montana	4	39	9,300	2	(D)	2	(D)	(D)	1	(D)
Nebraska	-	-	-	-	-	2	(D)	(D)	1	(D)
New Mexico	5	11	11,700	2	(D)	-	-	-	-	-
North Carolina	9	328	55,315	-	-	126	3,263	443,442	-	-
Ohio	-	-	-	-	-	1	(D)	(D)	-	-
Oklahoma	30	2,023	359,009	-	-	73	6,595	1,295,319	-	-
Oregon	693	190,472	263,002,921	233	38,150	807	188,101	241,965,678	228	30,421
South Carolina	23	492	189,415	2	(D)	15	864	164,640	-	-
Tennessee	21	(D)	137,222	-	-	59	1,728	330,478	-	-
Texas	6	88	5,319	2	(D)	-	-	-	-	-
Utah	-	-	-	-	-	1	(D)	(D)	1	(D)
Virginia	69	1,191	606,525	2	(D)	9	362	(D)	-	-
Washington	26	3,601	4,762,252	11	1,171	51	4,922	5,211,265	25	2,586
Wisconsin	1	(D)	(D)	-	-	-	-	-	-	-
Wyoming	1	(D)	(D)	1	(D)	8	231	83,180	8	231
KENTUCKY BLUEGRASS SEED (POUNDS)										
United States Total										
United States	475	151,299	86,903,842	160	40,555	525	148,418	76,414,727	161	37,975
States										
Alaska	1	(D)	(D)	-	-	3	(D)	(D)	2	(D)
California	-	-	-	-	-	1	(D)	(D)	1	(D)
Colorado	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
Idaho	170	52,714	27,155,744	12	(D)	181	57,592	24,820,925	17	6,458
Illinois	-	-	-	-	-	1	(D)	(D)	-	-
Kansas	-	-	-	-	-	7	190	15,450	-	-
Kentucky	3	265	34,400	1	(D)	2	(D)	(D)	-	-
Minnesota	57	24,005	4,250,594	-	-	59	22,097	5,368,880	1	(D)
Missouri	-	-	-	-	-	1	(D)	(D)	-	-
Montana	1	(D)	(D)	-	-	3	242	(D)	1	(D)
Nebraska	-	-	-	-	-	2	(D)	(D)	2	(D)
Nevada	-	-	-	-	-	2	(D)	(D)	2	(D)
Oregon	102	21,781	24,268,962	94	19,884	96	18,090	16,349,068	82	15,018
Utah	-	-	-	-	-	1	(D)	(D)	1	(D)
Washington	140	52,269	31,141,242	52	18,153	165	48,502	29,082,417	51	15,093

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
LADINO CLOVER SEED (POUNDS)										
United States Total										
United States	2	(D)	(D)	1	(D)	10	2,049	938,510	10	2,049
States										
California	1	(D)	(D)	1	(D)	10	2,049	938,510	10	2,049
Illinois	1	(D)	(D)	-	-	-	-	-	-	-
LESPEDEZA SEED (POUNDS)										
United States Total										
United States	66	4,909	1,132,473	1	(D)	358	23,898	5,413,440	2	(D)
States										
Alabama	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Arkansas	-	-	-	-	-	4	(D)	28,042	-	-
Georgia	3	601	(D)	1	(D)	1	(D)	(D)	-	-
Illinois	-	-	-	-	-	3	(D)	(D)	-	-
Kansas	35	2,082	507,069	-	-	95	6,937	1,893,168	-	-
Kentucky	-	-	-	-	-	3	60	6,540	-	-
Missouri	19	755	161,501	-	-	220	13,251	2,664,997	2	(D)
North Carolina	2	(D)	(D)	-	-	8	556	163,000	-	-
Oklahoma	-	-	-	-	-	16	966	158,988	-	-
South Carolina	1	(D)	(D)	-	-	3	310	(D)	-	-
Tennessee	-	-	-	-	-	2	(D)	(D)	-	-
Texas	4	(D)	(D)	-	-	-	-	-	-	-
Virginia	1	(D)	(D)	-	-	1	(D)	(D)	-	-
ORCHARDGRASS SEED (POUNDS)										
United States Total										
United States	171	21,517	15,430,232	19	2,429	274	23,923	18,660,986	38	1,879
States										
Arizona	1	(D)	(D)	1	(D)	-	-	-	-	-
Colorado	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
Connecticut	2	(D)	(D)	-	-	-	-	-	-	-
Georgia	1	(D)	(D)	-	-	-	-	-	-	-
Idaho	2	(D)	(D)	2	(D)	4	(D)	14,245	3	56
Illinois	10	(D)	(D)	-	-	5	17	584	-	-
Indiana	1	(D)	(D)	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	2	(D)	(D)	-	-
Kansas	-	-	-	-	-	1	(D)	(D)	-	-
Kentucky	12	120	27,992	-	-	5	24	651	-	-
Maryland	-	-	-	-	-	18	208	10,570	-	-
Missouri	4	101	13,450	-	-	18	349	38,270	-	-
Nebraska	1	(D)	(D)	-	-	-	-	-	-	-
New York	-	-	-	-	-	6	173	14,550	-	-
North Carolina	-	-	-	-	-	10	112	6,200	-	-
Oregon	86	19,190	14,885,491	15	(D)	142	21,005	18,092,966	30	1,322
Pennsylvania	14	130	6,360	-	-	13	484	27,291	-	-
Tennessee	1	(D)	(D)	-	-	6	81	6,276	-	-
Virginia	25	895	114,507	-	-	31	604	62,863	-	-
Washington	10	252	(D)	-	-	11	(D)	317,876	3	(D)
Wyoming	-	-	-	-	-	1	(D)	(D)	1	(D)
RED CLOVER SEED (POUNDS)										
United States Total										
United States	434	21,387	8,213,873	107	5,657	1,240	43,936	9,284,591	111	4,484
States										
Alabama	-	-	-	-	-	1	(D)	(D)	-	-
California	-	-	-	-	-	4	(D)	(D)	4	(D)
Colorado	1	(D)	(D)	1	(D)	-	-	-	-	-
Idaho	25	959	571,430	25	959	22	975	543,900	22	975
Illinois	23	530	64,161	-	-	58	1,644	173,358	-	-
Indiana	3	(D)	(D)	-	-	9	172	12,040	-	-
Iowa	4	149	8,940	-	-	9	321	55,024	-	-
Kansas	9	201	18,310	-	-	94	4,392	389,043	-	-
Kentucky	7	80	6,665	1	(D)	3	65	(D)	-	-
Maryland	-	-	-	-	-	2	(D)	(D)	-	-
Michigan	28	1,220	202,150	1	(D)	68	1,799	207,918	-	-
Minnesota	8	311	39,465	-	-	53	1,886	218,117	-	-
Mississippi	-	-	-	-	-	2	(D)	(D)	-	-
Missouri	68	2,580	245,074	-	-	417	14,530	1,473,725	-	-
Nebraska	3	116	26,600	1	(D)	9	130	5,830	-	-
New Jersey	1	(D)	(D)	-	-	-	-	-	-	-
New York	35	1,675	342,707	-	-	82	2,677	399,797	-	-
Ohio	32	1,055	141,893	-	-	171	3,756	270,293	-	-
Oklahoma	-	-	-	-	-	3	41	7,340	-	-
Oregon	153	10,771	5,738,623	63	3,592	160	8,588	4,561,932	67	2,436
Pennsylvania	5	49	2,045	-	-	23	308	28,316	1	(D)

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
RED CLOVER SEED (POUNDS) - Con.										
States - Con.										
South Carolina	3	6	150	-	-	-	-	-	-	-
South Dakota	1	(D)	(D)	-	-	-	-	-	-	-
Tennessee	-	-	-	-	-	1	(D)	(D)	-	-
Texas	-	-	-	-	-	1	(D)	(D)	-	-
Vermont	2	(D)	(D)	-	-	1	(D)	(D)	-	-
Virginia	3	20	2,248	-	-	1	(D)	(D)	-	-
Washington	8	531	295,360	4	(D)	14	778	577,551	7	446
Wisconsin	1	(D)	(D)	-	-	23	1,097	96,344	1	(D)
Wyoming	11	715	464,912	11	715	9	460	183,981	9	460
RYEGRASS SEED (POUNDS)										
United States Total										
United States	968	307,722	504,262,904	300	54,641	1,039	290,963	459,929,090	260	32,031
States										
Alabama	8	60	(D)	1	(D)	11	330	28,399	2	(D)
Arkansas	2	(D)	(D)	-	-	4	490	232,000	-	-
California	1	(D)	(D)	-	-	-	-	-	-	-
Colorado	1	(D)	(D)	1	(D)	-	-	-	-	-
Florida	-	-	-	-	-	3	(D)	(D)	-	-
Georgia	8	197	61,718	-	-	14	(D)	95,870	-	-
Idaho	5	72	14,101	1	(D)	4	88	31,860	2	(D)
Illinois	5	20	20,000	-	-	1	(D)	(D)	-	-
Iowa	2	(D)	(D)	-	-	3	20	4,968	-	-
Kansas	2	(D)	(D)	1	(D)	-	-	-	-	-
Kentucky	-	-	-	-	-	1	(D)	(D)	-	-
Maryland	-	-	-	-	-	2	(D)	(D)	-	-
Massachusetts	-	-	-	-	-	1	(D)	(D)	-	-
Michigan	12	155	49,220	1	(D)	2	(D)	(D)	-	-
Minnesota	56	12,390	8,898,982	1	(D)	2	(D)	(D)	-	-
Missouri	1	(D)	(D)	-	-	-	-	-	-	-
Montana	4	181	289,600	2	(D)	9	3,425	632,289	-	-
Nebraska	-	-	-	-	-	3	(D)	(D)	1	(D)
New Jersey	1	(D)	(D)	-	-	-	-	-	-	-
New York	7	57	176,520	-	-	57	1,660	344,594	2	(D)
North Carolina	-	-	-	-	-	5	178	4,800	-	-
North Dakota	1	(D)	(D)	-	-	-	-	-	-	-
Oklahoma	11	333	103,929	-	-	14	727	18,640	1	(D)
Oregon	762	289,230	490,229,604	275	53,397	814	280,222	456,542,090	223	30,820
Pennsylvania	-	-	-	-	-	24	334	76,182	-	-
South Carolina	7	197	60,860	-	-	1	(D)	(D)	-	-
South Dakota	2	(D)	(D)	-	-	-	-	-	-	-
Tennessee	-	-	-	-	-	2	(D)	(D)	-	-
Texas	38	609	120,066	2	(D)	20	382	24,914	2	(D)
Utah	4	(D)	3,614	4	(D)	3	19	876	3	19
Virginia	3	(D)	(D)	-	-	1	(D)	(D)	-	-
Washington	20	2,359	2,765,213	7	610	26	1,395	1,644,391	12	669
Wisconsin	2	(D)	(D)	1	(D)	-	-	-	-	-
Wyoming	3	84	37,580	3	84	12	184	90,961	12	178
SUDANGRASS SEED (POUNDS)										
United States Total										
United States	60	11,867	22,904,416	33	10,081	78	6,758	10,476,796	49	5,040
States										
Arizona	19	7,189	14,239,058	19	7,189	5	(D)	428,540	5	(D)
California	9	(D)	6,201,664	9	(D)	22	3,153	6,883,848	22	3,153
Colorado	-	-	-	-	-	1	(D)	(D)	-	-
Illinois	-	-	-	-	-	4	(D)	2,230	-	-
Indiana	-	-	-	-	-	1	(D)	(D)	-	-
Iowa	1	(D)	(D)	-	-	-	-	-	-	-
Kansas	5	435	411,950	-	-	9	469	211,970	-	-
Mississippi	3	241	75,300	-	-	-	-	-	-	-
Missouri	1	(D)	(D)	-	-	-	-	-	-	-
Nebraska	2	(D)	(D)	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	5	279	(D)	5	(D)
Oregon	6	(D)	(D)	2	(D)	5	158	196,300	1	(D)
Pennsylvania	1	(D)	(D)	-	-	-	-	-	-	-
Texas	13	786	(D)	3	(D)	11	903	864,218	1	(D)
Washington	-	-	-	-	-	15	838	1,802,240	15	838
TIMOTHY SEED (POUNDS)										
United States Total										
United States	72	3,882	1,542,881	7	(D)	216	16,288	4,310,826	6	34
States										
Colorado	1	(D)	(D)	1	(D)	-	-	-	-	-
Idaho	7	1,284	826,960	-	-	11	2,043	951,762	-	-
Illinois	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Kentucky	-	-	-	-	-	3	20	2,500	-	-

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
TIMOTHY SEED (POUNDS) - Con.										
States - Con.										
Maine	1	(D)	(D)	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	3	(D)	2,200	-	-
Michigan	2	(D)	(D)	-	-	-	-	-	-	-
Minnesota	18	1,831	545,201	-	-	68	10,324	2,802,957	-	-
Missouri	2	(D)	(D)	-	-	14	256	30,825	-	-
New Jersey	3	(D)	1,800	-	-	-	-	-	-	-
New York	13	179	30,480	-	-	73	2,183	410,958	6	34
Ohio	2	(D)	(D)	-	-	5	(D)	5,845	-	-
Pennsylvania	16	163	15,807	-	-	32	1,324	94,789	-	-
Tennessee	-	-	-	-	-	1	(D)	(D)	-	-
Virginia	-	-	-	-	-	2	(D)	(D)	-	-
Washington	6	147	73,792	6	147	-	-	-	-	-
West Virginia	-	-	-	-	-	2	(D)	(D)	-	-
Wisconsin	-	-	-	-	-	1	(D)	(D)	-	-
VETCH SEED (POUNDS)										
United States Total										
United States	61	(D)	1,157,122	6	(D)	69	3,190	956,272	6	196
States										
Alabama	1	(D)	(D)	-	-	-	-	-	-	-
California	8	(D)	187,835	-	-	8	331	94,247	2	(D)
Georgia	-	-	-	-	-	1	(D)	(D)	-	-
Idaho	-	-	-	-	-	1	(D)	(D)	1	(D)
Illinois	-	-	-	-	-	5	35	6,284	-	-
Indiana	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Iowa	1	(D)	(D)	-	-	-	-	-	-	-
Kansas	2	(D)	(D)	-	-	-	-	-	-	-
Maryland	1	(D)	(D)	-	-	-	-	-	-	-
Michigan	1	(D)	(D)	-	-	2	(D)	(D)	-	-
Minnesota	5	365	56,210	2	(D)	14	1,166	150,610	-	-
Mississippi	-	-	-	-	-	2	(D)	(D)	-	-
Missouri	3	(D)	(D)	-	-	2	(D)	(D)	-	-
Montana	3	204	204,000	-	-	-	-	-	-	-
Nebraska	2	(D)	(D)	-	-	4	311	18,369	-	-
Oklahoma	2	(D)	(D)	-	-	1	(D)	(D)	-	-
Oregon	19	766	544,118	-	-	8	284	259,340	-	-
Pennsylvania	3	67	(D)	-	-	5	(D)	70,460	-	-
Texas	3	(D)	(D)	1	(D)	2	(D)	(D)	-	-
Utah	1	(D)	(D)	1	(D)	-	-	-	-	-
Virginia	-	-	-	-	-	1	(D)	(D)	-	-
Washington	-	-	-	-	-	1	(D)	(D)	1	(D)
Wisconsin	3	216	(D)	-	-	8	(D)	23,920	-	-
Wyoming	2	(D)	(D)	2	(D)	2	(D)	(D)	2	(D)
WHEATGRASS SEED (POUNDS)										
United States Total										
United States	115	21,214	3,853,410	40	8,239	126	17,921	3,268,256	59	6,190
States										
Alaska	1	(D)	(D)	1	(D)	3	(D)	6,900	1	(D)
Colorado	1	(D)	(D)	1	(D)	5	(D)	6,904	5	(D)
Idaho	5	898	138,183	-	-	19	4,885	449,510	5	(D)
Kansas	1	(D)	(D)	1	(D)	2	(D)	(D)	2	(D)
Mississippi	2	(D)	(D)	-	-	2	(D)	(D)	2	(D)
Montana	46	14,158	1,178,323	16	4,716	32	5,385	403,618	8	672
Nebraska	4	373	115,000	4	373	2	(D)	(D)	2	(D)
North Dakota	-	-	-	-	-	1	(D)	(D)	-	-
Oklahoma	2	(D)	(D)	-	-	6	270	106,500	-	-
Oregon	1	(D)	(D)	1	(D)	6	61	13,800	6	61
South Dakota	29	2,165	679,397	-	-	7	(D)	93,324	-	-
Texas	4	(D)	(D)	1	(D)	-	-	-	-	-
Utah	1	(D)	(D)	-	-	7	1,029	100,257	6	(D)
Washington	11	2,282	1,233,451	8	2,119	28	4,730	1,736,020	16	3,537
Wyoming	7	808	415,000	7	808	6	533	274,856	6	533
WHITE CLOVER SEED (POUNDS)										
United States Total										
United States	32	4,059	1,472,657	6	583	21	(D)	(D)	4	153
States										
Idaho	2	(D)	(D)	-	-	1	(D)	(D)	-	-
Minnesota	1	(D)	(D)	-	-	-	-	-	-	-
Montana	2	(D)	(D)	-	-	-	-	-	-	-
Oregon	26	3,740	1,445,066	6	583	19	2,675	1,149,776	4	153
Texas	1	(D)	(D)	-	-	1	(D)	(D)	-	-

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
OTHER FIELD AND GRASS SEED CROPS (POUNDS) (SEE TEXT)										
United States Total										
United States	380	48,117	16,136,284	111	14,793	319	44,075	11,582,288	105	12,349
States										
Alabama	16	3,196	1,485,511	3	(D)	-	-	-	-	-
Alaska	7	266	24,553	3	(D)	7	150	8,682	3	(D)
Arizona	2	(D)	(D)	2	(D)	1	(D)	(D)	1	(D)
California	3	(D)	(D)	3	(D)	5	592	384,672	5	592
Colorado	7	306	10,996	2	(D)	3	330	82,500	-	-
Florida	1	(D)	(D)	-	-	-	-	-	-	-
Georgia	5	4,523	963,190	2	(D)	7	6,006	1,055,221	1	(D)
Idaho	20	834	630,791	14	(D)	9	1,113	378,438	2	(D)
Illinois	7	(D)	45,454	-	-	-	-	-	-	-
Iowa	11	318	15,725	-	-	17	1,480	101,874	-	-
Kansas	3	(D)	(D)	2	(D)	7	672	281,884	3	(D)
Kentucky	4	80	4,548	-	-	4	180	7,800	-	-
Louisiana	1	(D)	(D)	-	-	1	(D)	(D)	-	-
Michigan	4	82	9,020	2	(D)	-	-	-	-	-
Minnesota	26	3,579	601,485	3	(D)	34	4,920	655,991	2	(D)
Mississippi	3	44	2,400	-	-	-	-	-	-	-
Missouri	20	1,892	180,204	-	-	33	6,640	860,947	3	12
Montana	24	5,718	1,272,540	8	1,517	17	2,612	638,157	4	229
Nebraska	15	2,302	489,183	6	626	12	2,080	370,524	4	210
New Mexico	4	(D)	(D)	3	(D)	3	118	8,764	1	(D)
New York	4	330	(D)	-	-	6	(D)	46,850	-	-
North Carolina	2	(D)	(D)	-	-	6	454	347,500	-	-
North Dakota	-	-	-	-	-	1	(D)	(D)	-	-
Oklahoma	22	2,211	360,440	2	(D)	23	2,417	515,629	1	(D)
Oregon	57	5,746	4,647,256	25	2,909	52	5,465	3,743,872	30	2,342
Pennsylvania	4	(D)	20,670	-	-	1	(D)	(D)	-	-
South Carolina	4	48	(D)	-	-	3	(D)	21,500	-	-
South Dakota	14	2,429	539,825	2	(D)	12	1,800	322,780	6	(D)
Texas	67	8,569	1,648,639	11	2,201	15	2,020	438,715	11	1,473
Utah	2	(D)	(D)	1	(D)	4	(D)	21,275	3	74
Vermont	1	(D)	(D)	-	-	-	-	-	-	-
Virginia	2	(D)	(D)	2	(D)	1	(D)	(D)	-	-
Washington	11	2,310	(D)	8	2,159	30	2,487	1,031,888	23	1,952
Wisconsin	1	(D)	(D)	1	(D)	4	(D)	(D)	1	(D)
Wyoming	6	433	150,620	6	433	1	(D)	(D)	1	(D)
FORAGE - LAND USED FOR ALL HAY AND ALL HAYLAGE, GRASS SILAGE, AND GREENCHOP (TONS, DRY EQUIVALENT) (SEE TEXT)										
United States Total										
United States	869,534	61,455,483	155,393,762	86,007	10,264,753	884,831	64,041,337	154,976,932	81,995	10,269,779
States										
Alabama	18,735	883,196	1,641,373	356	10,556	18,060	823,039	1,900,762	283	8,927
Alaska	243	23,315	33,336	13	2,364	255	25,051	28,154	13	1,399
Arizona	1,176	309,018	2,215,580	1,122	307,367	1,088	289,334	2,087,130	1,088	289,334
Arkansas	22,939	1,334,153	2,966,184	514	20,958	22,755	1,414,857	3,219,368	462	14,525
California	7,411	1,723,147	10,642,531	5,954	1,554,197	8,273	1,952,522	11,202,962	6,485	1,676,935
Colorado	13,998	1,621,178	4,256,940	10,418	1,156,305	10,758	1,236,356	2,736,171	8,706	935,457
Connecticut	2,060	81,269	176,786	-	-	1,649	73,757	170,199	5	51
Delaware	430	14,211	37,989	35	875	493	18,499	53,740	26	1,392
Florida	5,755	354,860	1,120,290	516	42,984	4,600	299,435	860,405	442	31,950
Georgia	14,556	663,750	1,380,403	927	42,119	14,627	614,719	1,465,735	726	22,141
Hawaii	30	1,000	2,215	22	149	14	1,112	2,261	7	243
Idaho	11,159	1,316,296	5,198,288	8,788	1,021,414	10,949	1,335,171	4,856,156	8,463	1,022,977
Illinois	19,865	593,186	1,770,834	68	1,373	20,691	729,662	2,234,607	91	2,997
Indiana	18,917	546,764	1,306,246	215	5,770	22,196	625,898	1,611,419	77	2,928
Iowa	26,901	1,125,565	3,897,996	89	1,644	33,406	1,533,027	5,177,896	28	1,424
Kansas	29,266	2,800,129	6,916,201	1,662	272,537	29,760	3,086,085	6,413,838	1,660	300,999
Kentucky	49,825	2,456,564	4,042,948	274	3,447	50,765	2,362,356	5,106,450	30	395
Louisiana	8,798	463,695	1,176,324	249	8,326	7,999	406,827	1,022,638	183	4,805
Maine	3,048	197,757	428,423	-	-	2,765	209,955	446,171	8	(D)
Maryland	5,123	223,390	552,667	128	3,100	4,885	227,727	553,823	96	2,652
Massachusetts	2,424	93,811	198,593	12	83	2,017	93,745	209,771	6	31
Michigan	21,853	1,160,467	2,966,956	429	18,394	22,067	1,212,603	3,557,828	454	17,414
Minnesota	29,844	1,716,693	4,392,567	574	28,592	33,574	2,112,533	5,741,264	477	30,059
Mississippi	13,271	680,402	1,572,853	190	6,171	13,507	641,924	1,557,537	354	9,561
Missouri	57,184	3,895,401	7,182,875	282	9,452	57,507	4,142,725	8,101,048	199	9,037
Montana	12,796	2,822,442	5,490,353	6,996	1,059,816	12,943	2,590,090	4,517,416	7,104	1,076,262
Nebraska	20,576	2,563,515	6,289,171	5,024	494,391	22,981	2,862,592	5,647,370	5,371	532,965
Nevada	1,436	464,598	1,582,983	1,435	463,464	1,390	510,223	1,581,117	1,390	496,129
New Hampshire	1,581	76,877	178,138	7	45	1,322	71,272	159,579	1	(D)
New Jersey	3,130	115,669	226,883	58	1,376	3,117	119,052	236,270	56	985
New Mexico	5,583	365,843	1,565,071	5,163	314,068	4,205	335,872	1,306,058	3,627	275,316
New York	20,194	1,962,620	4,981,812	119	2,816	21,959	2,258,448	5,717,950	-	-
North Carolina	19,432	687,650	1,170,258	1,324	56,147	21,322	715,519	1,370,181	1,663	63,315
North Dakota	11,561	2,525,213	4,832,502	264	25,565	12,545	2,827,815	3,525,003	268	30,730
Ohio	31,440	1,156,523	2,807,279	27	632	33,939	1,271,137	3,085,746	16	530
Oklahoma	39,449	3,231,691	6,718,879	1,029	86,344	36,898	3,084,888	5,802,990	996	85,909
Oregon	12,590	1,038,735	3,129,873	6,688	739,289	12,697	1,110,395	3,307,921	6,655	819,356
Pennsylvania	34,923	1,747,589	4,487,424	226	2,177	35,767	1,956,072	4,526,973	429	4,007
Rhode Island	351	9,304	19,042	3	18	251	7,417	15,900	2	(D)

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
FORAGE - LAND USED FOR ALL HAY AND ALL HAYLAGE, GRASS SILAGE, AND GREENCHOP (TONS, DRY EQUIVALENT) (SEE TEXT) - Con.										
States - Con.										
South Carolina	7,830	340,951	591,501	275	6,797	7,985	342,207	684,149	292	5,347
South Dakota	16,121	3,239,947	6,502,232	797	87,670	17,885	3,659,123	5,361,944	1,003	147,277
Tennessee	42,280	1,784,808	2,732,930	344	4,394	46,957	1,917,323	4,011,467	128	1,908
Texas	90,860	5,264,287	14,477,068	5,701	424,623	83,013	4,982,165	11,407,323	5,211	412,593
Utah	8,930	690,946	2,569,087	8,458	628,996	8,606	717,984	2,392,884	7,876	636,505
Vermont	3,624	330,984	962,986	4	230	3,452	350,261	1,017,408	6	59
Virginia	25,986	1,305,624	2,464,783	377	9,767	27,544	1,377,442	2,534,457	797	19,781
Washington	10,243	846,140	3,595,392	4,262	493,255	10,473	914,054	3,783,219	4,518	513,198
West Virginia	16,449	614,794	986,097	22	238	14,679	562,810	957,776	12	174
Wisconsin	42,082	2,797,497	8,528,063	269	20,124	43,561	3,089,564	10,135,628	253	17,015
Wyoming	5,276	1,192,019	2,426,555	4,298	824,334	4,680	938,695	1,572,870	3,952	742,728
HAY - ALL HAY INCLUDING ALFALFA, OTHER TAME, SMALL GRAIN, AND WILD (TONS, DRY) (SEE TEXT)										
United States Total										
United States	845,050	58,121,003	138,113,218	82,892	9,830,856	870,541	60,645,417	137,858,890	79,751	9,879,867
States										
Alabama	18,212	866,277	1,616,684	345	10,606	17,900	819,378	1,879,293	271	8,970
Alaska	228	21,034	30,407	11	2,109	245	22,578	25,507	12	1,239
Arizona	1,146	297,614	2,119,609	1,091	295,590	1,056	278,803	2,004,919	1,056	278,801
Arkansas	22,918	1,336,909	2,948,072	513	21,053	22,749	1,418,119	3,203,596	457	14,647
California	6,723	1,528,198	8,850,559	5,369	1,385,186	7,751	1,780,836	9,856,047	6,054	1,540,999
Colorado	13,689	1,596,887	4,128,786	10,196	1,139,480	10,602	1,222,993	2,670,074	8,594	927,094
Connecticut	1,961	71,662	137,172	-	-	1,601	64,748	123,058	3	(D)
Delaware	414	12,400	32,265	31	807	481	15,428	36,189	24	760
Florida	5,372	327,547	1,010,257	464	34,679	4,501	271,250	749,319	412	26,774
Georgia	14,217	646,885	1,319,408	876	36,908	14,466	607,734	1,413,338	692	19,529
Hawaii	21	893	2,018	14	102	9	820	1,658	4	108
Idaho	10,940	1,285,972	4,738,169	8,595	988,705	10,801	1,284,663	4,442,165	8,325	977,422
Illinois	19,331	561,847	1,613,251	62	1,200	20,379	695,561	2,025,270	85	2,204
Indiana	18,461	515,042	1,171,614	185	3,391	21,949	605,916	1,504,631	66	2,334
Iowa	26,322	1,064,906	3,538,758	85	1,441	33,057	1,471,257	4,792,462	26	1,352
Kansas	28,221	2,731,639	6,514,309	1,599	258,789	29,369	3,023,079	6,152,789	1,572	277,838
Kentucky	49,229	2,436,743	3,969,020	265	3,341	50,505	2,350,667	5,011,155	30	402
Louisiana	8,463	445,345	1,130,882	244	8,131	7,936	401,969	1,007,929	178	4,580
Maine	2,924	153,284	275,605	-	-	2,667	171,280	278,933	8	46
Maryland	4,905	201,174	449,561	119	2,003	4,784	202,828	439,214	84	1,599
Massachusetts	2,295	81,829	154,947	11	49	1,976	85,022	165,412	5	28
Michigan	21,152	963,958	2,109,172	353	9,228	21,602	1,011,807	2,699,551	382	8,919
Minnesota	28,991	1,551,586	3,620,921	483	20,975	32,899	1,936,969	4,854,212	421	24,315
Mississippi	12,810	661,160	1,534,496	184	5,949	13,357	638,899	1,536,469	347	9,473
Missouri	56,263	3,827,077	7,018,678	273	8,984	57,253	4,115,921	7,920,152	189	8,833
Montana	12,658	2,821,154	5,363,210	6,902	1,045,208	12,881	2,581,761	4,441,493	7,045	1,074,322
Nebraska	20,289	2,567,911	6,106,699	4,956	485,739	22,832	2,846,560	5,494,311	5,308	525,895
Nevada	1,417	470,068	1,558,120	1,417	470,068	1,379	502,724	1,534,490	1,379	501,146
New Hampshire	1,530	62,989	120,814	7	45	1,270	55,948	99,197	1	(D)
New Jersey	3,036	111,525	207,489	56	1,384	3,052	116,122	216,747	54	972
New Mexico	5,385	352,155	1,448,600	4,984	302,355	4,098	302,821	1,122,618	3,531	245,561
New York	18,987	1,395,813	2,791,688	103	2,051	21,116	1,720,718	3,489,291	-	-
North Carolina	19,214	684,770	1,140,216	1,316	59,453	21,084	711,579	1,328,956	1,635	65,203
North Dakota	11,480	2,537,069	4,747,946	260	24,970	12,518	2,831,377	3,487,764	266	30,561
Ohio	30,523	1,061,666	2,384,282	27	632	33,525	1,190,882	2,728,144	15	431
Oklahoma	38,897	3,250,005	6,607,628	997	84,998	36,701	3,085,186	5,722,242	971	80,645
Oregon	12,056	998,055	2,926,331	6,385	715,170	12,399	1,081,766	3,166,367	6,545	806,280
Pennsylvania	33,043	1,454,762	3,219,629	197	1,591	34,754	1,678,837	3,299,209	351	2,611
Rhode Island	336	9,091	17,018	3	18	247	7,395	14,454	2	(D)
South Carolina	7,677	336,603	575,816	271	6,747	7,844	337,269	640,284	276	5,041
South Dakota	15,973	3,255,897	6,309,185	788	85,990	17,814	3,651,564	5,236,834	998	146,150
Tennessee	41,879	1,776,875	2,697,457	337	4,388	46,725	1,915,741	3,940,436	113	1,458
Texas	88,241	5,145,606	13,817,811	5,420	383,248	81,626	4,896,017	10,962,234	5,034	390,341
Utah	8,800	680,709	2,467,077	8,330	620,054	8,508	686,062	2,228,840	7,792	613,507
Vermont	3,184	191,781	399,716	4	198	3,139	208,474	400,794	6	59
Virginia	25,246	1,258,823	2,333,380	339	8,426	27,268	1,347,229	2,393,852	752	18,388
Washington	9,666	789,524	3,173,489	3,967	464,606	10,028	845,139	3,281,688	4,250	481,292
West Virginia	15,959	586,671	928,926	20	222	14,520	545,750	903,910	10	154
Wisconsin	39,139	1,946,970	4,353,023	182	9,461	40,647	2,064,209	5,394,791	176	8,189
Wyoming	5,227	1,186,643	2,383,048	4,256	815,128	4,671	935,762	1,536,602	3,944	743,350
ALFALFA HAY (TONS, DRY)										
United States Total										
United States	290,726	20,244,497	65,349,074	56,390	6,556,652	344,197	22,637,984	68,524,529	55,841	6,809,432
States										
Alabama	340	7,526	16,944	13	91	397	8,847	20,915	17	182
Alaska	-	-	-	-	-	3	80	57	1	(D)
Arizona	943	257,407	1,968,043	920	257,263	847	232,579	1,844,626	847	232,579
Arkansas	278	11,732	28,647	15	932	410	16,639	48,091	11	659
California	3,587	986,982	7,057,014	3,488	963,086	4,391	1,176,021	7,966,902	4,291	1,151,351
Colorado	8,648	861,053	2,887,865	7,347	707,234	7,904	770,432	2,105,340	6,769	654,024
Connecticut	349	8,343	18,441	-	-	373	9,825	22,709	1	(D)
Delaware	177	3,687	13,530	22	421	278	(D)	(D)	18	368

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
ALFALFA HAY (TONS, DRY) - Con.										
States - Con.										
Florida	141	6,951	14,993	13	1,071	105	3,494	7,875	7	198
Georgia	134	1,655	4,810	18	243	66	1,151	3,196	18	369
Hawaii	5	89	267	5	89	2	(D)	(D)	2	(D)
Idaho	8,817	1,037,520	4,254,543	7,605	861,092	8,984	1,033,827	3,981,882	7,512	840,262
Illinois	12,913	322,339	1,138,512	47	906	14,375	416,997	1,461,589	51	1,118
Indiana	10,775	241,129	665,767	139	2,185	14,103	320,210	945,169	58	2,241
Iowa	22,040	830,440	3,054,729	62	1,198	29,114	1,168,668	4,183,945	22	1,214
Kansas	9,643	793,140	2,986,134	1,115	207,455	11,762	938,209	3,021,997	1,138	233,791
Kentucky	10,538	269,610	524,565	109	1,210	13,604	310,874	892,378	28	347
Louisiana	52	2,164	4,768	2	(D)	123	6,040	13,954	6	(D)
Maine	246	10,089	23,876	-	-	304	13,944	27,987	5	(D)
Maryland	1,429	40,576	120,402	49	712	1,916	57,104	161,009	39	595
Massachusetts	406	9,921	22,537	1	(D)	549	15,756	37,427	4	(D)
Michigan	16,431	698,595	1,707,036	291	8,080	18,122	806,713	2,355,909	305	7,580
Minnesota	20,398	944,775	2,671,173	384	15,603	25,016	1,264,403	3,780,181	354	20,266
Mississippi	159	3,931	7,113	4	35	-	-	-	-	-
Missouri	8,229	295,021	782,847	63	1,823	10,675	399,647	1,063,201	75	3,225
Montana	9,711	1,868,756	3,936,445	5,444	703,960	9,997	1,529,867	3,030,279	5,702	715,481
Nebraska	14,820	1,085,921	3,955,881	4,405	389,516	18,033	1,341,230	4,002,492	4,924	450,344
Nevada	1,128	274,004	1,217,586	1,128	274,004	1,142	304,033	1,236,920	1,142	302,901
New Hampshire	218	5,373	13,475	5	(D)	247	7,938	17,468	-	-
New Jersey	728	20,310	51,483	39	799	1,039	26,854	63,969	10	302
New Mexico	4,272	236,103	1,176,242	4,091	222,018	3,198	188,273	909,983	2,852	174,271
New York	7,707	450,144	1,119,421	31	901	10,227	657,019	1,598,411	-	-
North Carolina	758	10,322	16,755	67	360	1,324	21,907	44,071	65	659
North Dakota	8,985	1,457,604	3,072,682	240	21,773	9,688	1,388,395	1,829,771	231	22,400
Ohio	15,354	437,658	1,256,174	17	536	20,531	614,615	1,641,270	11	377
Oklahoma	3,781	334,990	1,131,938	294	33,000	4,152	349,028	1,112,624	317	33,585
Oregon	3,569	428,812	1,777,894	3,043	380,679	4,130	487,661	1,994,354	3,402	440,229
Pennsylvania	14,402	475,873	1,357,225	109	462	18,665	669,130	1,632,745	156	1,034
Rhode Island	63	1,035	1,806	1	(D)	64	1,731	3,663	1	(D)
South Carolina	143	4,070	8,860	20	274	139	3,030	7,025	6	43
South Dakota	12,653	1,996,599	4,414,338	716	75,913	15,097	2,393,123	3,903,003	941	132,779
Tennessee	1,655	20,074	45,819	28	(D)	2,317	29,617	105,601	9	155
Texas	2,391	153,763	721,303	1,154	98,831	2,516	164,069	634,342	973	88,267
Utah	7,780	548,570	2,172,218	7,413	507,798	7,579	562,326	1,995,259	6,992	505,163
Vermont	571	31,769	68,624	2	(D)	748	44,573	89,578	3	(D)
Virginia	3,063	89,213	233,807	76	679	5,199	140,045	332,293	143	2,137
Washington	4,294	448,588	2,192,001	2,822	334,005	5,142	535,694	2,523,068	3,165	379,524
West Virginia	1,185	28,465	62,484	5	(D)	1,932	52,567	127,504	1	(D)
Wisconsin	30,810	1,517,522	3,673,619	171	8,809	34,109	1,657,958	4,637,344	161	7,166
Wyoming	4,007	674,284	1,696,438	3,357	471,126	3,559	489,825	1,086,534	3,055	401,880
SMALL GRAIN HAY (TONS, DRY)										
United States Total										
United States	70,603	3,866,721	8,253,840	9,845	706,525	76,584	4,354,516	7,501,232	9,840	665,293
States										
Alabama	1,252	46,537	93,747	41	1,077	903	33,935	69,645	24	397
Alaska	20	490	751	1	(D)	19	(D)	(D)	-	-
Arizona	109	11,189	38,886	106	10,310	97	(D)	27,623	97	(D)
Arkansas	691	29,654	68,450	20	1,321	579	26,896	62,444	17	528
California	2,488	252,097	652,287	1,477	181,178	2,961	315,166	863,751	1,580	159,852
Colorado	1,367	126,159	267,737	845	56,516	867	70,838	124,120	569	35,087
Connecticut	98	2,262	5,727	-	-	75	1,620	3,285	-	-
Delaware	48	1,434	3,498	2	(D)	54	1,226	2,503	3	132
Florida	347	14,884	40,224	55	3,644	195	9,690	23,597	30	1,560
Georgia	1,006	52,877	96,475	97	5,716	963	36,166	71,398	68	1,451
Idaho	1,093	62,066	180,692	723	42,946	1,356	75,101	174,915	967	51,544
Illinois	893	20,450	51,006	3	(D)	1,292	29,217	63,000	2	(D)
Indiana	757	16,081	34,323	12	(D)	904	16,349	31,637	-	-
Iowa	1,842	42,744	106,481	4	(D)	3,084	62,606	145,901	3	(D)
Kansas	2,695	172,396	384,572	211	18,857	2,258	126,676	185,093	127	10,243
Kentucky	2,487	82,276	164,754	40	404	3,440	84,571	208,494	-	-
Louisiana	524	20,260	49,809	16	(D)	402	16,681	36,167	3	(D)
Maine	100	5,690	10,388	-	-	80	3,484	5,651	-	-
Maryland	409	13,588	40,003	13	473	391	(D)	(D)	7	(D)
Massachusetts	93	2,901	5,343	1	(D)	71	1,748	3,737	-	-
Michigan	693	19,608	40,754	15	79	860	20,572	33,327	26	142
Minnesota	2,173	56,928	119,519	30	865	2,900	80,535	152,701	20	728
Mississippi	32	1,354	2,895	1	(D)	7	105	145	3	21
Missouri	2,560	99,796	194,111	12	274	2,261	79,683	168,295	14	1,133
Montana	2,166	232,048	412,842	826	52,130	2,710	309,830	429,733	1,053	75,478
Nebraska	1,871	104,301	222,395	391	28,872	2,021	115,073	162,310	302	20,576
Nevada	194	18,970	58,496	194	18,970	197	15,349	44,786	197	15,236
New Hampshire	39	1,574	2,810	-	-	45	1,235	2,214	-	-
New Jersey	227	6,673	10,825	6	(D)	250	8,774	17,266	8	96
New Mexico	695	63,535	165,141	540	45,995	471	40,655	84,566	401	31,351
New York	1,202	47,721	102,178	6	(D)	1,180	45,958	86,971	-	-
North Carolina	2,314	66,122	118,240	245	6,993	2,813	77,019	154,292	260	7,342
North Dakota	2,375	260,025	483,032	25	1,252	3,545	539,029	560,076	52	3,942
Ohio	1,516	31,734	64,028	3	(D)	1,697	33,759	60,748	1	(D)
Oklahoma	6,207	472,577	903,993	227	17,371	6,739	510,012	786,086	175	12,062
Oregon	1,318	65,210	169,233	716	39,366	1,505	75,440	183,709	788	47,483
Pennsylvania	2,501	62,011	145,079	24	45	2,446	47,331	88,251	52	201
Rhode Island	15	214	562	-	-	10	173	341	-	-
South Carolina	1,056	34,141	56,262	27	684	1,161	37,739	74,308	43	533

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SMALL GRAIN HAY (TONS, DRY) - Con.										
States - Con.										
South Dakota	1,872	206,003	378,034	101	5,034	2,725	388,382	436,942	116	5,657
Tennessee	2,833	97,834	199,607	42	333	3,126	99,578	245,560	8	42
Texas	10,145	655,601	1,502,698	1,173	100,841	9,091	633,127	1,096,137	861	94,624
Utah	1,012	36,741	110,507	918	31,362	1,154	39,886	98,931	1,049	35,982
Vermont	136	5,744	12,830	-	-	61	1,595	3,210	-	-
Virginia	2,010	71,646	153,340	34	555	2,293	61,956	124,747	75	539
Washington	816	46,899	87,307	267	10,250	976	43,481	81,366	361	12,644
West Virginia	596	16,289	32,298	5	(D)	408	7,692	15,449	1	(D)
Wisconsin	3,165	61,821	124,784	1	(D)	3,342	58,018	109,144	11	292
Wyoming	545	47,566	84,887	349	21,214	599	51,446	76,954	466	29,069
OTHER TAME HAY (TONS, DRY)										
United States Total										
United States	496,740	26,763,972	54,347,673	24,348	1,699,864	504,861	26,944,228	53,477,464	22,535	1,616,719
States										
Alabama	15,453	728,982	1,388,325	286	8,915	15,964	713,951	1,686,960	222	8,025
Alaska	209	20,073	29,400	10	(D)	231	21,229	24,182	11	(D)
Arizona	272	28,364	112,080	247	27,975	271	35,333	128,154	271	35,333
Arkansas	18,813	1,156,999	2,615,529	432	17,172	19,255	1,166,323	2,732,559	399	12,752
California	1,619	248,401	1,078,499	1,315	214,774	1,767	251,058	963,675	1,384	212,243
Colorado	3,896	421,719	758,985	2,805	268,397	2,862	298,765	363,839	2,019	175,009
Connecticut	1,288	46,448	87,528	-	-	1,063	41,338	78,802	1	(D)
Delaware	263	7,279	15,237	11	(D)	293	(D)	(D)	7	260
Florida	4,503	284,169	917,175	382	28,641	3,949	240,911	687,039	356	24,445
Georgia	12,567	558,825	1,169,839	773	30,609	13,393	542,983	1,295,545	596	17,403
Hawaii	16	804	1,751	9	13	7	(D)	(D)	2	(D)
Idaho	2,006	132,082	231,578	967	52,055	1,774	109,000	196,126	805	41,706
Illinois	7,082	199,649	393,439	13	231	7,221	230,871	471,417	32	871
Indiana	8,204	235,803	439,532	45	297	8,912	250,976	503,494	8	93
Iowa	5,258	171,487	343,635	18	114	5,579	217,296	426,591	4	(D)
Kansas	16,340	1,074,207	2,188,582	472	28,626	17,946	1,253,852	2,113,386	503	33,498
Kentucky	40,804	1,968,657	3,135,975	91	1,379	41,223	1,842,974	3,745,125	4	55
Louisiana	6,466	345,370	923,361	196	6,747	6,005	305,925	813,362	141	3,859
Maine	1,756	98,771	186,398	-	-	1,720	115,069	188,970	3	(D)
Maryland	3,583	133,713	269,033	68	804	3,672	136,490	259,405	43	923
Massachusetts	1,492	55,125	102,687	9	(D)	1,255	56,403	107,981	1	(D)
Michigan	4,711	201,420	303,699	55	899	3,762	149,403	267,751	65	1,149
Minnesota	7,320	363,145	561,312	82	3,888	7,563	395,492	644,597	48	2,810
Mississippi	9,910	504,994	1,252,879	135	4,238	10,952	520,573	1,297,755	252	7,245
Missouri	48,295	3,242,548	5,752,532	216	6,401	49,807	3,460,190	6,430,926	116	3,795
Montana	2,894	378,192	563,007	1,424	125,354	3,160	476,709	612,346	1,369	131,965
Nebraska	4,048	278,810	555,048	578	42,600	4,146	244,072	351,474	518	39,129
Nevada	240	47,003	100,950	240	47,003	235	38,947	80,997	235	38,924
New Hampshire	969	40,338	79,088	1	(D)	843	37,866	67,327	-	-
New Jersey	1,937	75,015	134,279	16	530	1,815	70,431	123,197	29	528
New Mexico	1,061	45,985	99,651	917	30,021	960	70,030	125,226	771	37,513
New York	10,664	707,600	1,322,963	71	1,040	11,598	829,621	1,549,980	-	-
North Carolina	16,799	581,914	974,415	1,151	51,472	18,150	582,863	1,091,480	1,413	55,830
North Dakota	2,918	403,014	623,812	29	1,945	3,433	403,867	509,891	29	2,519
Ohio	15,717	521,562	967,672	16	(D)	14,761	482,531	944,717	7	(D)
Oklahoma	25,422	1,803,936	3,613,517	579	33,164	24,425	1,685,475	3,099,416	555	33,672
Oregon	6,475	308,644	697,363	3,079	157,624	6,543	343,958	729,919	3,023	196,605
Pennsylvania	19,036	783,849	1,538,844	90	952	19,380	864,544	1,466,673	162	1,095
Rhode Island	247	6,771	12,840	2	(D)	167	4,724	9,232	2	(D)
South Carolina	6,476	276,588	484,490	222	5,688	6,785	277,030	534,679	219	4,019
South Dakota	3,596	467,278	773,202	69	3,616	3,549	395,273	443,527	77	3,603
Tennessee	36,525	1,564,507	2,333,408	289	3,849	42,654	1,728,197	3,503,754	103	1,261
Texas	70,799	3,888,394	10,747,031	3,618	171,513	67,635	3,717,107	8,617,675	3,483	198,868
Utah	1,167	55,107	118,443	1,051	49,139	963	46,571	86,646	842	42,006
Vermont	1,992	119,795	263,200	2	(D)	2,085	134,403	261,499	3	(D)
Virginia	20,468	995,412	1,806,008	225	6,335	22,187	1,048,104	1,816,350	507	13,955
Washington	3,777	226,539	793,608	1,223	114,398	3,714	203,476	578,942	1,120	83,596
West Virginia	11,892	453,574	718,576	11	116	10,646	401,719	658,975	8	130
Wisconsin	8,422	302,686	466,678	11	(D)	7,671	301,953	580,179	14	731
Wyoming	1,073	202,425	300,590	797	148,027	910	189,346	188,997	753	147,893
WILD HAY (TONS, DRY)										
United States Total										
United States	125,543	7,245,813	10,162,631	5,993	867,815	114,056	6,708,689	8,355,665	5,270	788,423
States										
Alabama	2,292	83,232	117,668	34	523	1,678	62,645	101,773	27	366
Alaska	15	471	256	-	-	15	(D)	(D)	-	-
Arizona	18	654	600	5	42	22	(D)	4,516	21	(D)
Arkansas	4,161	138,524	235,446	63	1,628	3,991	208,261	360,502	45	708
California	455	40,718	62,759	188	26,148	532	38,591	61,719	207	17,553
Colorado	2,109	187,956	214,199	747	107,333	703	82,958	76,775	455	62,974
Connecticut	504	14,609	25,476	-	-	382	11,965	18,262	1	(D)
Florida	621	21,543	37,865	42	1,323	380	17,155	30,808	32	571
Georgia	1,285	33,528	48,284	31	340	954	27,434	43,199	50	306
Idaho	700	54,304	71,356	328	32,612	732	66,735	89,242	348	43,910
Illinois	845	19,409	30,294	3	(D)	896	18,476	29,264	9	(D)
Indiana	1,038	22,029	31,992	8	(D)	1,010	18,381	24,331	-	-
Iowa	1,010	20,235	33,913	3	(D)	1,091	22,687	36,025	-	-

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
WILD HAY (TONS, DRY) - Con.										
States - Con.										
Kansas	9,447	691,896	955,021	79	3,851	9,657	704,342	832,313	15	306
Kentucky	4,300	116,200	143,726	47	348	4,095	112,248	165,158	-	-
Louisiana	1,884	77,551	152,944	35	966	1,831	73,323	144,446	33	521
Maine	1,037	38,734	54,943	-	-	816	38,783	56,325	1	(D)
Maryland	575	13,297	20,123	5	14	2	(D)	(D)	2	(D)
Massachusetts	581	13,882	24,380	-	-	473	11,115	16,267	-	-
Michigan	1,596	44,335	57,683	26	170	1,392	35,119	42,564	14	48
Minnesota	6,297	186,738	268,917	48	619	6,192	196,539	276,733	39	511
Mississippi	3,349	150,881	271,609	47	(D)	2,950	118,221	238,569	106	2,207
Missouri	4,629	189,712	289,188	17	486	4,139	176,401	257,730	11	680
Montana	2,299	342,158	450,916	801	163,764	2,044	265,355	369,135	810	151,398
Nebraska	6,447	1,098,879	1,373,375	345	24,751	6,682	1,146,185	978,035	265	15,846
Nevada	248	130,091	181,088	248	130,091	225	144,395	171,787	225	144,085
New Hampshire	479	15,704	25,441	1	(D)	315	8,909	12,188	1	(D)
New Jersey	505	9,527	10,902	3	(D)	504	10,063	12,315	12	46
New Mexico	164	6,532	7,566	111	4,321	97	3,863	2,843	55	2,426
New York	3,870	190,348	247,126	3	(D)	3,973	188,120	253,929	-	-
North Carolina	1,357	26,412	30,806	53	628	1,510	29,790	39,113	72	1,372
North Dakota	4,156	416,426	568,420	-	-	4,961	500,086	588,026	6	1,700
Ohio	2,679	70,712	96,408	-	-	2,588	59,977	81,409	-	-
Oklahoma	10,572	638,502	958,180	75	1,463	9,218	540,671	724,116	67	1,326
Oregon	2,635	195,389	281,841	809	137,501	2,528	174,707	258,385	744	121,963
Pennsylvania	4,665	133,029	178,481	42	132	3,906	97,832	111,540	40	281
Rhode Island	61	1,071	1,810	-	-	42	767	1,218	-	-
South Carolina	750	21,804	26,204	11	101	743	19,470	24,272	30	446
South Dakota	5,681	586,017	743,611	43	1,427	5,503	474,786	453,362	52	4,111
Tennessee	4,593	94,460	118,623	1	(D)	3,651	58,349	85,521	-	-
Texas	11,978	447,848	846,779	566	12,063	9,440	381,714	614,080	235	8,582
Utah	512	40,291	65,909	372	31,755	529	37,279	48,004	406	30,356
Vermont	879	34,473	55,062	-	-	748	27,903	46,507	1	(D)
Virginia	3,195	102,552	140,225	49	857	3,166	97,124	120,462	121	1,757
Washington	2,230	67,498	100,573	183	5,953	1,899	62,488	98,312	203	5,528
West Virginia	3,414	88,343	115,568	4	31	3,043	83,772	101,982	1	(D)
Wisconsin	2,646	64,941	87,942	-	-	2,118	46,280	68,124	-	-
Wyoming	780	262,368	301,133	517	174,761	690	205,145	184,117	508	164,508
ALL HAYLAGE, GRASS SILAGE, AND GREENCHOP (TONS, GREEN) (SEE TEXT)										
United States Total										
United States	68,936	5,494,926	34,959,627	6,340	799,363	62,785	5,324,920	34,631,619	5,028	686,112
States										
Alabama	690	26,665	49,948	15	252	301	12,047	43,458	15	518
Alaska	29	2,875	5,926	2	(D)	35	3,859	5,352	5	174
Arizona	109	48,697	194,156	109	48,697	111	41,212	166,316	111	41,212
Arkansas	110	6,875	36,641	3	(D)	65	4,856	31,897	6	263
California	1,329	305,816	3,625,272	1,147	271,934	1,269	270,087	2,724,872	1,098	234,874
Colorado	641	58,485	259,263	457	38,803	357	26,668	133,722	259	19,282
Connecticut	227	13,798	80,141	-	-	188	14,262	95,368	2	(D)
Delaware	55	1,855	11,581	6	170	77	4,236	35,501	6	679
Florida	492	39,262	222,603	74	9,559	202	33,578	224,732	61	6,920
Georgia	483	25,586	123,396	75	6,336	363	16,300	106,028	54	3,051
Hawaii	12	108	398	9	(D)	5	292	1,220	3	(D)
Idaho	536	86,749	930,849	463	81,103	483	72,470	837,529	434	67,518
Illinois	1,421	52,593	318,801	8	178	1,411	61,407	423,581	10	(D)
Indiana	1,188	48,066	272,368	55	2,633	937	34,869	216,037	17	826
Iowa	2,135	105,670	726,762	7	267	2,103	108,801	779,838	2	(D)
Kansas	2,278	158,189	813,053	159	30,645	1,230	100,998	528,170	166	34,029
Kentucky	1,449	48,080	149,562	19	287	1,170	39,590	192,759	-	-
Louisiana	460	23,619	91,933	7	225	169	8,470	29,767	9	414
Maine	441	54,715	309,160	-	-	445	55,166	338,317	-	-
Maryland	682	35,214	208,589	13	1,196	628	38,102	231,862	20	1,196
Massachusetts	272	15,822	88,299	1	(D)	198	13,787	89,744	1	(D)
Michigan	2,395	260,417	1,735,351	124	10,583	2,408	262,659	1,736,385	119	9,321
Minnesota	3,610	261,382	1,561,089	177	10,828	3,611	262,895	1,794,559	109	7,696
Mississippi	635	27,529	77,599	10	250	269	11,244	42,621	16	207
Missouri	2,027	104,671	332,181	26	715	1,336	75,289	366,018	11	292
Montana	364	48,395	257,219	232	27,952	221	30,711	153,591	165	19,985
Nebraska	962	62,362	369,152	244	21,828	723	54,268	309,663	226	22,000
Nevada	55	9,975	50,299	54	9,335	39	12,339	94,339	39	12,312
New Hampshire	188	17,103	115,971	-	-	205	20,031	122,160	-	-
New Jersey	173	7,383	39,235	-	-	158	7,697	39,504	3	(D)
New Mexico	353	28,251	235,629	316	21,694	205	38,019	371,116	180	35,437
New York	5,283	701,191	4,430,759	20	874	5,768	708,966	4,508,730	-	-
North Carolina	440	15,061	60,776	20	620	575	15,555	83,430	53	906
North Dakota	456	52,599	171,062	13	1,471	230	27,963	75,337	9	444
Ohio	3,084	148,078	855,749	1	(D)	2,648	130,327	723,448	1	(D)
Oklahoma	1,044	65,233	225,068	42	3,010	556	32,666	163,369	35	6,278
Oregon	814	57,644	411,779	462	38,660	536	37,983	286,415	216	20,033
Pennsylvania	7,759	430,085	2,564,830	64	633	7,651	438,847	2,483,965	129	1,634
Rhode Island	29	810	4,094	-	-	13	599	2,927	-	-
South Carolina	248	9,251	31,732	7	59	307	12,243	88,741	20	501
South Dakota	849	93,765	390,547	43	3,610	595	57,293	253,101	42	3,292
Tennessee	760	23,465	71,765	10	33	763	21,613	143,787	20	585
Texas	3,741	197,106	1,333,718	596	48,775	2,435	156,896	900,403	276	29,272
Utah	478	30,254	206,372	444	29,340	453	45,013	331,829	394	39,525

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
ALL HAYLAGE, GRASS SILAGE, AND GREENCHOP (TONS, GREEN) (SEE TEXT) - Con.										
States - Con.										
Vermont	1,090	168,948	1,139,530	2	(D)	1,229	190,716	1,247,473	-	-
Virginia	1,466	70,908	265,836	68	1,522	1,085	51,741	284,457	80	2,092
Washington	1,080	94,803	853,537	464	46,305	916	94,486	1,014,685	406	41,942
West Virginia	895	36,695	115,660	2	(D)	564	25,930	108,979	2	(D)
Wisconsin	13,466	1,291,222	8,446,369	141	12,023	15,472	1,530,091	9,591,142	134	10,740
Wyoming	153	21,601	88,018	129	15,859	67	9,783	73,375	64	9,233
HAYLAGE OR GREENCHOP FROM ALFALFA OR ALFALFA MIXTURES (TONS, GREEN)										
United States Total										
United States	40,948	3,414,270	22,604,406	3,180	393,665	43,798	3,547,160	23,403,394	2,623	365,572
States										
Alabama	51	1,302	1,584	-	-	40	2,022	4,960	1	(D)
Arizona	95	46,007	167,265	95	46,007	96	39,558	157,367	96	39,558
Arkansas	14	405	1,170	-	-	8	494	2,424	-	-
California	373	82,812	544,721	343	78,944	495	95,891	633,052	481	91,742
Colorado	273	22,484	117,509	233	20,479	200	14,412	83,146	152	11,963
Connecticut	97	3,916	23,460	-	-	74	4,466	27,223	-	-
Delaware	20	(D)	5,945	3	(D)	45	2,254	23,265	3	(D)
Florida	17	1,010	7,177	1	(D)	25	1,391	6,974	11	785
Georgia	43	802	2,754	5	116	55	151	531	8	104
Idaho	385	73,411	843,557	349	70,145	355	54,839	666,255	327	52,557
Illinois	846	34,341	241,910	5	(D)	1,113	49,643	354,116	7	(D)
Indiana	713	35,116	226,847	38	2,535	705	27,298	170,526	16	(D)
Iowa	1,631	89,720	668,898	7	267	1,798	96,148	688,470	2	(D)
Kansas	445	50,718	284,203	75	20,536	321	36,721	207,725	72	21,639
Kentucky	555	16,366	44,270	9	137	499	14,871	64,586	-	-
Louisiana	31	2,087	5,058	-	-	35	723	3,622	-	-
Maine	121	10,036	73,046	-	-	139	11,554	74,174	-	-
Maryland	402	18,086	122,069	9	340	473	23,613	152,158	11	461
Massachusetts	137	5,416	34,766	-	-	109	6,046	49,025	-	-
Michigan	2,035	238,142	1,659,013	116	10,493	2,076	238,399	1,620,171	104	9,073
Minnesota	3,143	232,275	1,455,578	159	9,516	3,199	231,828	1,630,710	100	7,320
Mississippi	38	1,035	2,195	1	(D)	61	1,463	11,604	-	-
Missouri	582	33,008	127,152	11	448	607	29,885	149,413	9	(D)
Montana	207	28,008	157,076	156	18,726	147	19,692	95,071	116	14,239
Nebraska	418	35,845	249,074	154	14,883	437	37,921	239,110	158	16,997
Nevada	40	(D)	39,534	40	(D)	31	8,690	65,189	31	8,663
New Hampshire	82	5,456	35,288	-	-	91	5,356	38,524	-	-
New Jersey	74	3,234	23,747	-	-	78	5,088	27,280	1	(D)
New Mexico	198	10,338	62,836	188	7,807	73	9,558	130,932	60	9,397
New York	3,802	450,887	3,095,530	11	743	4,163	445,774	3,093,103	-	-
North Carolina	34	1,441	7,732	3	(D)	223	3,067	19,990	19	265
North Dakota	223	25,803	99,136	11	(D)	100	9,592	29,948	2	(D)
Ohio	2,131	111,868	704,179	1	(D)	2,129	104,937	603,980	1	(D)
Oklahoma	125	7,938	40,979	7	776	177	4,403	21,588	14	586
Oregon	150	15,085	130,882	92	12,953	152	11,149	84,579	71	8,850
Pennsylvania	6,029	296,527	1,963,407	48	413	6,077	310,060	1,882,908	97	1,096
Rhode Island	10	166	921	-	-	9	257	1,430	-	-
South Carolina	25	1,202	7,856	-	-	118	1,637	31,216	4	17
South Dakota	509	58,425	258,442	31	2,483	364	35,456	164,405	35	3,038
Tennessee	103	2,493	8,739	1	(D)	290	2,929	31,171	2	(D)
Texas	517	22,832	143,210	283	8,794	590	17,997	97,746	35	4,585
Utah	310	20,859	148,026	283	20,201	272	28,975	212,876	231	25,188
Vermont	526	67,504	482,007	2	(D)	593	75,035	514,847	-	-
Virginia	467	17,768	81,183	40	827	550	19,631	111,405	43	1,108
Washington	243	21,145	182,548	153	14,822	241	23,349	226,202	140	15,520
West Virginia	235	8,734	31,535	1	(D)	196	7,508	39,404	-	-
Wisconsin	12,350	1,183,257	7,931,573	131	11,496	14,132	1,367,743	8,800,679	127	10,371
Wyoming	93	10,885	58,819	85	9,256	37	7,686	58,314	36	(D)
OTHER HAYLAGE, GRASS SILAGE, AND GREENCHOP (TONS, GREEN)										
United States Total										
United States	33,557	2,080,656	12,355,221	3,626	405,698	27,614	1,777,468	11,227,005	2,758	320,403
States										
Alabama	642	25,363	48,364	15	252	270	10,025	38,498	14	(D)
Alaska	29	2,875	5,926	2	(D)	35	3,859	5,352	5	174
Arizona	20	2,690	26,891	20	2,690	22	1,654	8,949	22	1,654
Arkansas	97	6,470	35,471	3	(D)	57	4,362	29,473	6	263
California	1,049	223,004	3,080,551	885	192,990	905	174,196	2,091,820	734	143,132
Colorado	396	36,001	141,754	244	18,324	177	12,256	50,576	122	7,319
Connecticut	155	9,882	56,681	-	-	158	9,796	68,145	2	(D)
Delaware	38	(D)	5,636	3	(D)	43	1,982	12,236	3	(D)
Florida	476	38,252	215,426	74	(D)	178	32,187	217,758	50	6,135
Georgia	442	24,784	120,642	70	6,220	315	16,149	105,497	47	2,947
Hawaii	12	108	398	9	(D)	-	-	-	-	-
Idaho	173	13,338	87,292	135	10,958	168	17,631	171,274	138	14,961
Illinois	633	18,252	76,891	3	(D)	441	11,764	69,465	4	(D)

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
OTHER HAYLAGE, GRASS SILAGE, AND GREENCHOP (TONS, GREEN) - Con.										
States - Con.										
Indiana	529	12,950	45,521	22	98	321	7,571	45,511	1	(D)
Iowa	611	15,950	57,864	-	-	505	12,653	91,368	-	-
Kansas	1,878	107,471	528,850	94	10,109	984	64,277	320,445	101	12,390
Kentucky	981	31,714	105,292	14	150	787	24,719	128,173	-	-
Louisiana	430	21,532	86,875	7	225	139	7,747	26,145	9	414
Maine	368	44,679	236,114	-	-	388	43,612	264,143	-	-
Maryland	403	17,128	86,520	5	856	343	14,489	79,704	12	735
Massachusetts	183	10,406	53,533	1	(D)	135	7,741	40,719	1	(D)
Michigan	459	22,275	76,338	9	90	542	24,260	116,214	21	248
Minnesota	709	29,107	105,511	23	1,312	828	31,067	163,849	17	376
Mississippi	598	26,494	75,404	9	(D)	220	9,781	31,017	16	207
Missouri	1,544	71,663	205,029	16	267	952	45,404	216,605	2	(D)
Montana	175	20,387	100,143	91	9,226	88	11,019	58,520	59	5,746
Nebraska	575	26,517	120,078	95	6,945	341	16,347	70,553	73	5,001
Nevada	22	(D)	10,765	21	(D)	13	3,649	29,150	13	3,649
New Hampshire	144	11,647	80,683	-	-	170	14,675	83,636	-	-
New Jersey	116	4,149	15,488	-	-	105	2,609	12,224	2	(D)
New Mexico	165	17,913	172,793	135	13,887	142	28,461	240,184	128	26,040
New York	2,466	250,304	1,335,229	9	131	2,972	263,192	1,415,627	-	-
North Carolina	411	13,620	53,044	17	(D)	382	12,488	63,440	39	641
North Dakota	255	26,796	71,926	2	(D)	151	18,371	45,389	7	(D)
Ohio	1,224	36,210	151,570	-	-	851	25,390	119,468	-	-
Oklahoma	925	57,295	184,089	35	2,234	406	28,263	141,781	23	5,692
Oregon	686	42,559	280,897	380	25,707	415	26,834	201,836	160	11,183
Pennsylvania	2,722	133,558	601,423	29	220	3,053	128,787	601,057	54	538
Rhode Island	19	644	3,173	-	-	8	342	1,497	-	-
South Carolina	225	8,049	23,876	7	59	199	10,606	57,525	16	484
South Dakota	372	35,340	132,105	12	1,127	249	21,837	88,696	8	254
Tennessee	667	20,972	63,026	9	(D)	507	18,684	112,616	18	(D)
Texas	3,437	174,274	1,190,508	519	39,981	2,007	138,899	802,657	249	24,687
Utah	189	9,395	58,346	181	9,139	220	16,038	118,953	196	14,337
Vermont	795	101,444	657,523	1	(D)	950	115,681	732,626	-	-
Virginia	1,092	53,140	184,653	29	695	718	32,110	173,052	45	984
Washington	874	73,658	670,989	330	31,483	724	71,137	788,483	289	26,422
West Virginia	713	27,961	84,125	1	(D)	435	18,422	69,575	2	(D)
Wisconsin	2,369	107,965	514,796	12	527	3,560	162,348	790,463	17	369
Wyoming	64	10,716	29,199	48	6,603	35	2,097	15,061	33	(D)
CORN FOR SILAGE OR GREENCHOP (TONS)										
United States Total										
United States	84,317	5,979,661	104,224,795	9,664	1,497,288	103,621	6,683,995	97,132,738	11,597	1,453,708
States										
Alabama	126	11,016	86,493	13	1,693	202	17,041	159,297	17	1,541
Arizona	116	33,941	891,902	116	33,941	137	31,922	803,358	137	31,922
Arkansas	30	1,887	26,326	8	540	31	(D)	(D)	14	2,357
California	1,975	460,614	12,019,578	1,975	460,514	2,012	393,694	10,117,296	2,012	391,300
Colorado	857	111,116	2,327,377	762	91,488	1,079	142,853	2,369,058	988	119,992
Connecticut	253	24,174	480,472	4	126	303	27,892	506,094	7	138
Delaware	73	6,353	67,825	17	632	91	9,700	128,220	12	1,284
Florida	119	27,005	484,308	75	23,162	131	27,049	425,131	91	20,885
Georgia	284	38,657	676,293	152	22,519	282	30,847	541,116	123	18,096
Hawaii	-	-	-	-	-	2	(D)	(D)	2	(D)
Idaho	1,115	211,748	5,695,090	1,115	211,748	1,021	134,133	3,490,255	1,020	(D)
Illinois	2,296	75,247	1,351,823	16	265	3,271	109,847	1,638,995	15	792
Indiana	2,120	105,937	1,956,429	77	6,569	2,875	116,939	1,747,847	41	5,222
Iowa	4,967	220,646	4,138,151	22	1,889	6,909	247,269	4,726,816	13	514
Kansas	1,665	166,018	2,988,294	439	69,075	2,865	307,303	3,213,232	769	108,872
Kentucky	2,255	86,542	1,189,499	49	986	2,307	82,820	1,287,831	-	-
Louisiana	39	4,087	69,995	5	403	68	6,661	66,951	4	205
Maine	185	23,516	429,432	3	39	233	24,351	407,813	6	21
Maryland	898	63,979	791,447	31	1,652	1,008	72,988	869,484	23	2,543
Massachusetts	230	13,895	275,194	7	(D)	297	17,365	333,411	4	(D)
Michigan	3,352	297,381	4,350,145	132	13,381	3,362	233,601	3,447,251	125	9,918
Minnesota	7,998	433,506	5,791,485	233	13,028	8,889	367,455	6,230,527	169	8,344
Mississippi	126	11,900	152,082	12	1,033	168	14,976	219,948	7	280
Missouri	1,704	69,353	1,041,591	36	1,869	1,803	71,185	942,789	36	1,722
Montana	383	45,172	974,410	342	41,122	419	50,094	1,087,841	403	48,572
Nebraska	2,671	185,584	3,171,470	1,295	101,256	5,408	409,447	4,476,086	2,141	155,646
Nevada	36	5,451	134,522	36	5,451	53	4,407	94,399	53	4,407
New Hampshire	135	12,640	262,867	-	-	160	14,191	270,510	3	(D)
New Jersey	234	11,528	164,400	5	148	261	14,328	162,232	2	(D)
New Mexico	285	79,141	1,937,769	284	78,398	343	93,381	2,200,352	324	92,644
New York	5,278	507,568	8,640,006	9	412	6,601	543,579	7,454,405	106	3,190
North Carolina	733	56,886	631,752	32	1,138	868	73,309	873,097	64	3,529
North Dakota	1,707	180,634	1,965,111	71	6,761	1,768	171,810	1,291,392	96	10,304
Ohio	3,928	182,935	3,191,893	5	480	5,503	255,359	2,617,895	7	548
Oklahoma	185	30,163	567,496	69	16,902	189	29,204	548,478	74	18,846
Oregon	247	25,386	633,222	229	23,811	335	25,377	590,650	302	23,114
Pennsylvania	10,230	429,139	7,057,789	37	1,605	11,968	536,615	5,770,515	160	2,521
Rhode Island	39	1,653	32,886	1	(D)	54	2,356	38,923	3	(D)
South Carolina	121	13,392	184,659	43	3,290	140	13,890	147,218	30	3,493
South Dakota	3,928	383,599	4,358,190	121	9,708	5,371	644,006	4,217,187	190	13,697
Tennessee	884	52,565	577,940	35	1,772	1,126	66,010	928,810	18	1,120

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Table 27. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
CORN FOR SILAGE OR GREENCHOP (TONS) - Con.										
States - Con.										
Texas	560	151,091	3,417,965	357	102,392	686	141,431	2,680,497	401	80,995
Utah	573	45,375	969,548	573	45,375	713	46,442	958,300	713	46,442
Vermont	674	87,403	1,658,746	-	-	868	91,312	1,486,802	4	5
Virginia	2,013	126,295	1,717,974	75	3,671	2,305	139,420	1,637,114	124	5,010
Washington	537	83,353	2,129,010	360	57,381	596	63,303	1,633,993	341	37,308
West Virginia	550	19,408	272,039	5	226	594	18,964	304,619	1	(D)
Wisconsin	15,338	732,636	11,645,140	121	8,900	17,632	704,513	11,233,740	115	5,221
Wyoming	265	32,146	646,760	260	30,491	314	38,782	705,759	287	36,328
SORGHUM FOR SILAGE OR GREENCHOP (TONS)										
United States Total										
United States	5,625	450,041	5,763,450	1,163	170,742	7,042	406,031	3,904,834	1,103	98,016
States										
Alabama	30	1,701	17,075	1	(D)	27	1,407	13,988	5	294
Arizona	68	20,969	396,620	67	20,967	38	8,327	173,833	38	8,327
Arkansas	34	2,073	27,488	5	479	29	1,656	9,158	4	351
California	195	30,085	536,162	189	29,457	68	6,020	94,009	57	4,833
Colorado	105	13,128	167,647	69	8,374	183	17,628	118,784	112	6,855
Connecticut	5	77	(D)	-	-	2	(D)	(D)	-	-
Delaware	1	(D)	(D)	-	-	7	78	452	-	-
Florida	35	4,290	48,495	24	2,814	35	3,524	35,053	20	1,927
Georgia	106	9,982	119,277	34	4,214	135	12,541	151,413	28	2,169
Idaho	3	170	2,070	3	170	2	(D)	(D)	2	(D)
Illinois	58	1,169	13,502	-	-	106	3,308	33,155	5	185
Indiana	52	796	6,196	1	(D)	56	1,020	6,389	-	-
Iowa	51	837	8,738	-	-	90	1,868	24,993	-	-
Kansas	1,779	131,125	1,505,041	214	17,120	1,826	113,963	924,207	221	15,310
Kentucky	56	1,549	14,211	2	(D)	76	1,311	12,971	-	-
Louisiana	12	467	2,089	5	347	8	323	4,360	-	-
Maine	3	93	1,115	-	-	5	(D)	(D)	-	-
Maryland	40	1,008	7,745	1	(D)	55	1,206	7,525	1	(D)
Michigan	126	2,635	32,419	10	241	158	2,595	20,068	2	(D)
Minnesota	13	145	1,716	-	-	80	1,529	13,755	3	(D)
Mississippi	9	4,739	76,923	1	(D)	17	455	5,441	-	-
Missouri	174	6,533	79,962	-	-	197	4,993	47,636	6	126
Montana	2	(D)	(D)	2	(D)	16	823	5,577	12	693
Nebraska	444	20,376	235,551	100	6,300	630	22,198	164,404	128	4,508
Nevada	-	-	-	-	-	5	438	9,289	5	438
New Hampshire	1	(D)	(D)	-	-	3	61	572	-	-
New Jersey	13	220	2,294	1	(D)	21	439	4,133	-	-
New Mexico	97	18,833	297,382	78	12,566	104	13,842	233,241	85	10,861
New York	155	3,192	22,571	1	(D)	215	4,189	36,879	5	99
North Carolina	86	2,748	28,856	2	(D)	130	4,407	30,493	4	55
North Dakota	17	1,122	6,464	1	(D)	112	7,028	30,801	1	(D)
Ohio	122	2,718	33,003	-	-	110	1,861	15,564	-	-
Oklahoma	164	13,661	68,537	22	1,256	190	13,345	135,882	34	3,003
Oregon	2	(D)	(D)	1	(D)	2	(D)	(D)	2	(D)
Pennsylvania	335	4,471	40,767	-	-	471	6,211	51,523	8	70
South Carolina	25	1,898	13,596	5	350	56	3,885	26,447	2	(D)
South Dakota	191	17,983	178,535	3	(D)	475	29,676	178,180	16	425
Tennessee	48	1,533	8,961	-	-	52	1,427	17,656	-	-
Texas	697	121,393	1,705,391	299	64,263	905	105,277	1,195,133	264	35,650
Utah	7	404	6,408	7	404	22	858	9,500	22	858
Vermont	5	(D)	464	-	-	5	173	1,401	-	-
Virginia	87	2,573	17,516	4	60	108	2,788	24,286	4	64
Washington	1	(D)	(D)	1	(D)	-	-	-	-	-
West Virginia	23	409	2,539	-	-	46	727	8,227	-	-
Wisconsin	138	2,201	19,645	-	-	159	2,048	20,255	3	190
Wyoming	10	450	7,514	10	450	5	338	5,530	4	297

Table 28. **Other Crops: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
CRAMBE (POUNDS)										
United States Total										
United States	-	-	-	-	-	54	12,320	13,262,499	-	-
States										
Montana	-	-	-	-	-	20	4,839	5,788,748	-	-
North Dakota	-	-	-	-	-	34	7,481	7,473,751	-	-
DILL FOR OIL (POUNDS)										
United States Total										
United States	6	1,574	135,480	6	1,477	11	1,398	117,271	8	1,383
States										
Michigan	-	-	-	-	-	2	(D)	(D)	-	-
Montana	3	308	(D)	3	211	3	(D)	(D)	2	(D)
Oregon	1	(D)	(D)	1	(D)	2	(D)	(D)	2	(D)
Washington	2	(D)	(D)	2	(D)	4	1,096	94,522	4	1,096
GINGER ROOT (POUNDS)										
United States Total										
United States	46	(D)	(D)	24	54	72	185	5,330,284	16	37
States										
Hawaii	44	80	2,532,043	24	54	72	185	5,330,284	16	37
Kentucky	2	(D)	(D)	-	-	-	-	-	-	-
GUAR (POUNDS)										
United States Total										
United States	35	5,946	4,350,919	6	436	78	(D)	(D)	28	3,619
States										
Oklahoma	-	-	-	-	-	3	(D)	(D)	-	-
Texas	35	5,946	4,350,919	6	436	75	20,433	13,963,533	28	3,619
HERBS, DRIED (POUNDS)										
United States Total										
United States	177	7,566	14,069,710	77	5,875	249	3,788	3,473,232	134	2,350
States										
Alaska	-	-	-	-	-	1	(D)	(D)	1	(D)
Arizona	2	(D)	(D)	2	(D)	1	(D)	(D)	-	-
California	36	3,473	(D)	33	3,434	37	440	220,138	37	440
Colorado	15	111	13,360	7	9	3	3	350	3	3
Connecticut	-	-	-	-	-	2	(D)	(D)	-	-
Delaware	1	(D)	(D)	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	3	3	1,200	-	-
Hawaii	-	-	-	-	-	1	(D)	(D)	1	(D)
Idaho	-	-	-	-	-	8	10	1,460	8	10
Illinois	3	(D)	(D)	1	(D)	-	-	-	-	-
Iowa	3	(D)	(D)	-	-	-	-	-	-	-
Kansas	1	(D)	(D)	-	-	-	-	-	-	-
Kentucky	4	7	7,000	-	-	8	10	7,000	2	(D)
Maine	-	-	-	-	-	11	14	1,627	4	4
Maryland	2	(D)	(D)	-	-	3	12	(D)	-	-
Massachusetts	1	(D)	(D)	-	-	6	9	1,387	2	(D)
Michigan	9	79	(D)	3	3	2	(D)	(D)	-	-
Minnesota	3	8	(D)	-	-	2	(D)	(D)	-	-
Missouri	-	-	-	-	-	2	(D)	(D)	-	-
Montana	-	-	-	-	-	6	32	5,750	6	32
Nevada	-	-	-	-	-	1	(D)	(D)	1	(D)
New Hampshire	4	(D)	(D)	2	(D)	5	5	(D)	3	(D)
New Mexico	2	(D)	(D)	2	(D)	3	(D)	(D)	3	(D)
New York	12	54	1,560	2	(D)	7	(D)	8,850	5	7
North Carolina	12	491	406,894	5	11	8	1,211	134,472	1	(D)
North Dakota	2	(D)	(D)	-	-	-	-	-	-	-
Ohio	9	11	1,260	-	-	-	-	-	-	-
Oregon	10	171	149,740	4	110	31	234	294,474	16	(D)
Pennsylvania	5	8	896	2	(D)	13	14	15,368	6	7
Rhode Island	-	-	-	-	-	2	(D)	(D)	1	(D)
South Carolina	1	(D)	(D)	1	(D)	3	(D)	(D)	-	-
South Dakota	1	(D)	(D)	-	-	-	-	-	-	-
Tennessee	4	10	(D)	1	(D)	12	19	9,900	4	10
Texas	-	-	-	-	-	3	9	7,200	3	9
Utah	1	(D)	(D)	1	(D)	-	-	-	-	-
Vermont	-	-	-	-	-	2	(D)	(D)	-	-
Virginia	8	150	(D)	-	-	9	17	(D)	3	8
Washington	21	903	1,761,417	11	(D)	49	794	(D)	22	692
West Virginia	4	8	(D)	-	-	5	8	2,120	2	(D)
Wisconsin	1	(D)	(D)	-	-	-	-	-	-	-

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Table 28. **Other Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
HOPS (POUNDS)										
United States Total										
United States	68	31,145	60,668,474	68	31,145	94	(D)	(D)	94	(D)
States										
California	-	-	-	-	-	2	(D)	(D)	2	(D)
Idaho	5	2,904	4,105,800	5	2,904	6	3,399	5,432,601	6	3,399
Oregon	25	5,334	9,599,720	25	5,334	35	5,651	9,539,856	35	5,651
Washington	38	22,907	46,962,954	38	22,907	51	20,833	43,603,062	51	20,833
JOJOBA HARVESTED (POUNDS)										
United States Total										
United States	11	2,991	1,322,455	10	2,948	28	(D)	(D)	23	(D)
States										
Arizona	4	1,725	1,077,052	4	1,725	5	(D)	(D)	5	(D)
California	7	1,266	245,403	6	1,223	23	1,607	88,578	18	1,504
MINT FOR OIL, ALL (POUNDS OF OIL)										
United States Total										
United States	341	89,783	8,694,739	295	77,973	519	108,798	9,919,641	418	92,504
States										
California	25	4,083	299,559	25	3,973	26	2,722	201,069	24	2,681
Idaho	55	13,169	1,288,758	55	13,169	75	13,744	1,300,607	75	13,744
Indiana	34	8,140	428,403	10	1,845	55	11,587	521,750	20	1,982
Kentucky	1	(D)	(D)	1	(D)	-	-	-	-	-
Michigan	10	1,620	106,933	3	(D)	47	2,471	120,627	6	(D)
Minnesota	-	-	-	-	-	1	(D)	(D)	1	(D)
Montana	5	554	34,453	5	554	20	1,453	110,886	16	1,335
Nevada	4	1,467	126,605	4	1,467	4	1,971	154,638	4	1,971
New Mexico	-	-	-	-	-	1	(D)	(D)	1	(D)
North Carolina	1	(D)	(D)	1	(D)	-	-	-	-	-
North Dakota	4	532	25,860	-	-	4	970	(D)	1	(D)
Ohio	-	-	-	-	-	1	(D)	(D)	-	-
Oregon	80	22,075	1,900,931	80	22,075	144	27,918	2,552,938	144	27,918
South Dakota	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)
Utah	2	(D)	(D)	2	(D)	2	(D)	(D)	2	(D)
Washington	100	29,241	3,945,255	100	29,241	106	35,210	4,171,820	106	35,210
Wisconsin	19	6,011	325,782	8	2,754	32	7,471	451,861	17	4,229
MINT FOR OIL, PEPPERMINT (POUNDS OF OIL)										
United States Total										
United States	273	67,437	5,976,054	230	59,125	419	87,471	7,661,892	339	75,894
States										
California	24	(D)	(D)	24	(D)	22	2,256	181,507	20	2,215
Idaho	50	12,336	1,188,801	50	12,336	71	12,882	1,205,939	71	12,882
Indiana	31	6,800	348,457	7	1,395	47	9,699	440,706	18	1,704
Michigan	9	(D)	(D)	3	(D)	34	948	40,432	5	(D)
Minnesota	-	-	-	-	-	1	(D)	(D)	1	(D)
Montana	5	(D)	(D)	5	(D)	17	695	(D)	13	(D)
Nevada	4	1,467	126,605	4	1,467	4	1,971	154,638	4	1,971
New Mexico	-	-	-	-	-	1	(D)	(D)	1	(D)
North Dakota	3	(D)	(D)	-	-	1	(D)	(D)	-	-
Ohio	-	-	-	-	-	1	(D)	(D)	-	-
Oregon	78	19,838	1,632,979	78	19,838	138	26,513	2,422,198	138	26,513
South Dakota	1	(D)	(D)	1	(D)	-	-	-	-	-
Utah	2	(D)	(D)	2	(D)	2	(D)	(D)	2	(D)
Washington	48	16,424	1,989,263	48	16,424	52	25,311	2,697,616	52	25,311
Wisconsin	18	4,663	282,323	8	2,419	28	5,227	316,940	14	3,443
MINT FOR OIL, SPEARMINT (POUNDS OF OIL)										
United States Total										
United States	135	22,346	2,718,685	118	18,848	199	21,327	2,257,749	148	16,610
States										
California	1	(D)	(D)	1	(D)	4	466	19,562	4	466
Idaho	14	833	99,957	14	833	19	862	94,668	19	862
Indiana	10	1,340	79,946	5	450	22	1,888	81,044	7	278
Kentucky	1	(D)	(D)	1	(D)	-	-	-	-	-
Michigan	5	(D)	(D)	1	(D)	19	1,523	80,195	4	(D)
Minnesota	-	-	-	-	-	1	(D)	(D)	1	(D)
Montana	1	(D)	(D)	1	(D)	11	758	(D)	8	(D)
North Carolina	1	(D)	(D)	1	(D)	-	-	-	-	-
North Dakota	3	(D)	(D)	-	-	3	(D)	8,950	1	(D)
Oregon	6	2,237	267,952	6	2,237	14	1,405	130,740	14	1,405
South Dakota	1	(D)	(D)	1	(D)	1	(D)	(D)	1	(D)

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Table 28. **Other Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
MINT FOR OIL, SPEARMINT (POUNDS OF OIL) - Con.										
States - Con.										
Utah	2	(D)	(D)	2	(D)	2	(D)	(D)	2	(D)
Washington	81	12,817	1,955,992	81	12,817	81	9,899	1,474,204	81	9,899
Wisconsin	9	1,348	43,459	4	335	22	2,244	134,921	6	786
PINEAPPLES HARVESTED (TONS)										
United States Total										
United States	42	(D)	(D)	20	(D)	34	10,211	314,626	12	9,759
States										
Hawaii	42	(D)	(D)	20	(D)	34	10,211	314,626	12	9,759
PINEAPPLES NOT HARVESTED										
United States Total										
United States	21	(D)	(X)	6	26	19	6,978	(X)	7	(D)
States										
Hawaii	21	(D)	(X)	6	26	19	6,978	(X)	7	(D)
SESAME (POUNDS)										
United States Total										
United States	29	4,978	2,956,903	8	1,162	22	3,145	1,358,364	9	494
States										
California	-	-	-	-	-	2	(D)	(D)	2	(D)
Oklahoma	4	645	296,712	-	-	5	(D)	(D)	-	-
Texas	25	4,333	2,660,191	8	1,162	15	1,938	957,503	7	(D)
SORGHUM FOR SYRUP (GALLONS) (SEE TEXT)										
United States Total										
United States	245	1,367	131,462	10	17	285	1,038	97,420	17	21
States										
Alabama	8	14	232	-	-	18	49	3,846	2	(D)
Arkansas	6	8	744	1	(D)	5	57	3,273	2	(D)
Georgia	10	77	5,024	1	(D)	28	95	7,782	5	5
Illinois	5	48	(D)	-	-	-	-	-	-	-
Indiana	2	(D)	(D)	-	-	4	14	790	-	-
Iowa	5	8	790	1	(D)	4	(D)	511	-	-
Kansas	-	-	-	-	-	1	(D)	(D)	-	-
Kentucky	89	373	54,233	1	(D)	74	252	33,030	4	6
Michigan	-	-	-	-	-	1	(D)	(D)	-	-
Minnesota	1	(D)	(D)	-	-	-	-	-	-	-
Mississippi	17	87	3,188	-	-	4	26	840	-	-
Missouri	15	(D)	4,876	1	(D)	20	68	3,655	-	-
New York	1	(D)	(D)	-	-	-	-	-	-	-
North Carolina	14	28	949	1	(D)	34	82	6,109	4	(D)
Ohio	11	16	1,180	-	-	4	11	(D)	-	-
Pennsylvania	4	4	140	-	-	-	-	-	-	-
South Carolina	4	16	2,884	-	-	7	10	611	-	-
Tennessee	29	210	26,931	3	5	46	284	29,858	-	-
Texas	2	(D)	(D)	1	(D)	-	-	-	-	-
Virginia	7	7	500	-	-	21	29	1,767	-	-
West Virginia	9	9	797	-	-	11	14	444	-	-
Wisconsin	6	26	(D)	-	-	3	21	2,606	-	-
SWEET CORN FOR SEED (POUNDS)										
United States Total										
United States	178	14,534	29,832,100	121	8,798	129	6,404	9,065,451	121	6,375
States										
Arizona	-	-	-	-	-	1	(D)	(D)	1	(D)
Colorado	2	(D)	(D)	2	(D)	3	(D)	(D)	3	(D)
Florida	1	(D)	(D)	1	(D)	-	-	-	-	-
Idaho	79	4,800	7,847,581	79	4,800	89	5,128	7,415,991	89	5,128
Iowa	2	(D)	(D)	-	-	-	-	-	-	-
Kentucky	1	(D)	(D)	-	-	-	-	-	-	-
Louisiana	2	(D)	(D)	2	(D)	-	-	-	-	-
Michigan	5	202	517,000	1	(D)	-	-	-	-	-
Minnesota	30	3,753	5,073,514	5	161	-	-	-	-	-
Mississippi	11	24	45,400	-	-	-	-	-	-	-
Nebraska	2	(D)	(D)	1	(D)	-	-	-	-	-

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Table 28. **Other Crops: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
SWEET CORN FOR SEED (POUNDS) - Con.										
States - Con.										
North Carolina	-	-	-	-	-	1	(D)	(D)	-	-
Oregon	6	210	244,674	6	210	5	(D)	(D)	5	(D)
South Carolina	5	138	108,400	1	(D)	-	-	-	-	-
Texas	14	3,876	14,245,580	7	2,355	-	-	-	-	-
Virginia	2	(D)	(D)	-	-	-	-	-	-	-
Washington	16	934	947,307	16	934	30	856	1,233,060	23	(D)
TARO (POUNDS)										
United States Total										
United States	159	(D)	(D)	141	(D)	177	592	4,564,494	111	473
States										
California	1	(D)	(D)	1	(D)	4	24	58,400	4	24
Hawaii	158	535	5,107,193	140	485	173	568	4,506,094	107	449
OTHER CROPS (SEE TEXT)										
United States Total										
United States	1,001	70,844	(X)	329	21,200	729	37,338	(X)	182	10,651
States										
Alabama	39	807	(X)	-	-	30	1,730	(X)	1	(D)
Alaska	1	(D)	(X)	-	-	1	(D)	(X)	-	-
Arizona	2	(D)	(X)	1	(D)	9	594	(X)	9	594
Arkansas	-	-	(X)	-	-	2	(D)	(X)	1	(D)
California	97	1,681	(X)	81	1,434	15	1,090	(X)	11	1,088
Colorado	10	66	(X)	7	49	11	531	(X)	9	371
Connecticut	-	-	(X)	-	-	5	15	(X)	-	-
Florida	27	426	(X)	7	106	38	645	(X)	21	449
Georgia	19	1,598	(X)	5	927	7	324	(X)	2	(D)
Hawaii	60	453	(X)	41	324	45	416	(X)	22	218
Idaho	14	1,812	(X)	11	717	7	776	(X)	6	752
Illinois	18	181	(X)	1	(D)	1	(D)	(X)	-	-
Indiana	12	31	(X)	4	7	7	57	(X)	-	-
Iowa	2	(D)	(X)	1	(D)	13	376	(X)	-	-
Kansas	9	590	(X)	1	(D)	7	1,502	(X)	3	893
Kentucky	7	151	(X)	2	(D)	13	2,648	(X)	-	-
Louisiana	-	-	(X)	-	-	1	(D)	(X)	-	-
Maine	4	11	(X)	-	-	7	16	(X)	-	-
Maryland	2	(D)	(X)	1	(D)	6	233	(X)	-	-
Massachusetts	6	38	(X)	-	-	12	53	(X)	1	(D)
Michigan	13	473	(X)	6	41	48	721	(X)	4	(D)
Minnesota	59	4,690	(X)	7	137	42	3,115	(X)	1	(D)
Mississippi	13	324	(X)	1	(D)	12	416	(X)	2	(D)
Missouri	38	524	(X)	3	5	12	543	(X)	-	-
Montana	113	24,688	(X)	1	(D)	10	703	(X)	5	106
Nebraska	6	364	(X)	3	326	22	2,110	(X)	5	607
Nevada	4	475	(X)	4	475	4	(D)	(X)	4	(D)
New Hampshire	1	(D)	(X)	1	(D)	4	5	(X)	-	-
New Jersey	1	(D)	(X)	-	-	15	1,238	(X)	1	(D)
New Mexico	-	-	(X)	-	-	7	434	(X)	5	169
New York	50	4,265	(X)	2	(D)	17	387	(X)	1	(D)
North Carolina	2	(D)	(X)	1	(D)	21	1,277	(X)	1	(D)
North Dakota	1	(D)	(X)	-	-	10	618	(X)	-	-
Ohio	21	458	(X)	-	-	20	159	(X)	4	16
Oklahoma	3	635	(X)	1	(D)	16	281	(X)	4	4
Oregon	72	3,973	(X)	44	2,596	27	1,836	(X)	19	1,427
Pennsylvania	50	854	(X)	1	(D)	29	268	(X)	3	3
Rhode Island	2	(D)	(X)	-	-	3	21	(X)	-	-
South Carolina	23	323	(X)	3	(D)	13	609	(X)	1	(D)
South Dakota	1	(D)	(X)	-	-	23	2,060	(X)	2	(D)
Tennessee	1	(D)	(X)	-	-	6	144	(X)	1	(D)
Texas	68	1,918	(X)	16	697	46	5,240	(X)	16	1,959
Utah	13	209	(X)	10	111	9	111	(X)	8	101
Vermont	5	206	(X)	-	-	-	-	(X)	-	-
Virginia	45	950	(X)	12	91	23	497	(X)	-	-
Washington	58	14,396	(X)	48	12,053	15	2,306	(X)	4	1,333
West Virginia	-	-	(X)	-	-	1	(D)	(X)	-	-
Wisconsin	8	153	(X)	1	(D)	34	654	(X)	2	(D)
Wyoming	1	(D)	(X)	1	(D)	3	325	(X)	3	325

Table 29. **Land Used For Vegetables and Vegetables Harvested For Sale: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002 [1]				
	Land used for vegetables (see text)				Vegetables harvested (see text) (acres)	Land used for vegetables (see text)				Vegetables harvested (see text) (acres)
	Harvested		Irrigated			Harvested		Irrigated		
	Farms	Acres	Farms	Acres		Farms	Acres	Farms	Acres	
UNITED STATES TOTAL										
United States	69,172	4,356,880	29,885	3,068,485	4,682,588	54,391	3,433,269	23,149	2,359,667	3,698,744
STATES										
Alabama	1,603	18,352	396	6,637	18,868	1,374	19,774	227	4,771	20,332
Alaska	96	1,176	45	640	1,184	55	357	27	252	364
Arizona	2,565	133,910	1,543	130,930	137,574	274	128,271	274	128,271	134,394
Arkansas	804	13,919	298	6,494	14,146	482	13,038	198	6,471	13,443
California	3,868	969,013	3,868	968,965	1,169,786	3,858	1,025,056	3,858	1,025,056	1,197,481
Colorado	708	95,163	708	95,163	97,251	451	38,452	451	38,452	39,526
Connecticut	735	10,290	215	2,709	10,514	582	10,319	199	4,023	10,691
Delaware	233	35,011	141	20,165	40,088	236	37,441	147	21,860	39,208
Florida	1,493	224,837	841	174,847	265,835	1,507	198,378	958	169,287	219,412
Georgia	1,445	119,003	599	67,077	128,720	1,668	133,090	626	79,368	149,556
Hawaii	901	6,243	511	5,005	6,845	633	5,824	417	5,038	6,554
Idaho	1,137	376,986	1,137	376,986	377,062	427	25,909	417	24,451	26,010
Illinois	1,377	69,584	376	29,663	71,371	1,107	66,670	253	23,840	70,430
Indiana	1,363	34,821	381	13,467	35,503	1,139	36,606	374	16,892	37,682
Iowa	881	9,080	181	2,815	9,544	752	9,268	117	1,197	9,435
Kansas	473	8,842	190	6,121	8,976	327	2,791	128	1,229	2,854
Kentucky	2,123	7,535	631	2,372	7,776	1,424	7,224	403	2,043	7,349
Louisiana	759	18,767	222	8,565	18,912	550	5,053	170	1,570	5,154
Maine	968	66,682	272	13,686	66,783	684	6,861	229	1,652	6,925
Maryland	931	32,159	392	18,672	33,447	804	30,774	336	16,097	31,701
Massachusetts	1,001	15,560	380	5,004	15,764	866	14,409	314	3,998	14,757
Michigan	2,878	170,945	1,110	91,755	174,685	2,519	135,428	817	60,186	137,887
Minnesota	2,720	241,996	422	35,287	247,099	2,639	225,203	300	17,836	225,640
Mississippi	1,156	30,711	175	5,480	31,088	799	11,660	104	2,860	11,705
Missouri	1,335	31,079	495	19,568	32,837	938	25,335	338	9,165	27,404
Montana	313	11,899	313	11,899	11,899	150	699	150	699	699
Nebraska	340	23,622	182	20,945	23,646	230	4,222	119	2,636	4,270
Nevada	50	11,208	50	11,208	11,217	51	4,230	51	4,230	4,752
New Hampshire	427	3,372	146	1,016	3,408	313	3,393	118	838	3,433
New Jersey	1,456	50,641	634	37,171	54,062	1,435	55,374	687	46,091	59,024
New Mexico	1,743	35,926	1,694	35,774	36,933	457	32,848	457	32,848	33,297
New York	3,192	160,146	966	34,170	160,596	2,637	140,637	868	29,350	143,967
North Carolina	3,740	117,032	1,061	23,396	118,780	2,550	64,790	896	20,821	66,521
North Dakota	224	94,531	60	32,977	94,543	69	649	25	343	655
Ohio	2,873	45,706	711	14,434	47,014	2,323	43,909	655	16,654	45,542
Oklahoma	834	17,182	276	8,518	18,013	582	18,179	208	8,310	18,565
Oregon	1,519	146,428	1,280	124,652	149,665	1,708	120,690	1,489	103,260	121,338
Pennsylvania	4,338	54,796	1,437	15,602	55,655	3,478	47,843	1,209	12,586	48,698
Rhode Island	203	2,380	84	843	2,418	141	1,911	52	634	1,961
South Carolina	1,520	25,809	444	13,456	28,275	1,046	29,025	342	11,460	30,362
South Dakota	141	1,760	56	795	1,766	151	2,333	33	251	2,502
Tennessee	1,543	28,766	487	7,464	34,013	1,501	34,532	226	6,766	39,502
Texas	2,353	122,205	890	74,538	128,108	2,506	123,653	1,081	72,118	126,044
Utah	583	5,862	583	5,862	5,920	323	4,749	323	4,749	4,792
Vermont	494	2,855	126	772	2,927	413	2,840	143	1,017	2,893
Virginia	1,616	26,265	499	14,859	27,887	1,195	23,203	442	14,651	24,377
Washington	2,026	332,477	1,471	302,496	343,787	1,804	210,008	1,298	177,983	215,135
West Virginia	726	2,178	145	587	2,210	365	1,685	74	492	1,707
Wisconsin	3,319	291,223	715	166,034	297,238	2,850	248,549	503	124,891	252,693
Wyoming	46	949	46	949	952	18	127	18	127	128

[1] 2002 data do not include potatoes, sweet potatoes, or ginseng.

Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
VEGETABLES HARVESTED FOR SALE (SEE TEXT) [1]								
United States Total								
United States	69,172	4,682,588	11,468	2,059,160	62,495	2,623,427	54,391	3,698,744
States								
Alabama	1,603	18,868	124	4,463	1,578	14,405	1,374	20,332
Alaska	96	1,184	1	(D)	96	(D)	55	364
Arizona	2,565	137,574	19	5,160	2,552	132,415	274	134,394
Arkansas	804	14,146	99	5,365	770	8,782	482	13,443
California	3,868	1,169,786	797	378,467	3,421	791,320	3,858	1,197,481
Colorado	708	97,251	17	1,781	703	95,470	451	39,526
Connecticut	735	10,514	49	226	725	10,288	582	10,691
Delaware	233	40,088	89	28,608	187	11,479	236	39,208
Florida	1,493	265,835	132	38,419	1,447	227,416	1,507	219,412
Georgia	1,445	128,720	42	4,953	1,426	123,767	1,668	149,556
Hawaii	901	6,845	1	(D)	900	(D)	633	6,554
Idaho	1,137	377,062	573	168,774	750	208,288	427	26,010
Illinois	1,377	71,371	430	53,701	1,047	17,670	1,107	70,430
Indiana	1,363	35,503	169	15,796	1,279	19,707	1,139	37,682
Iowa	881	9,544	127	4,660	807	4,884	752	9,435
Kansas	473	8,976	17	(D)	468	(D)	327	2,854
Kentucky	2,123	7,776	185	297	2,062	7,479	1,424	7,349
Louisiana	759	18,912	142	3,597	709	15,315	550	5,154
Maine	968	66,783	163	32,615	881	34,168	684	6,925
Maryland	931	33,447	192	20,850	845	12,597	804	31,701
Massachusetts	1,001	15,764	63	854	988	14,910	866	14,757
Michigan	2,878	174,685	596	107,973	2,558	66,712	2,519	137,887
Minnesota	2,720	247,099	1,534	215,133	1,347	31,966	2,639	225,640
Mississippi	1,156	31,088	173	5,802	1,111	25,286	799	11,705
Missouri	1,335	32,837	157	21,838	1,261	10,999	938	27,404
Montana	313	11,899	4	(D)	311	(D)	150	699
Nebraska	340	23,646	44	8,419	322	15,228	230	4,270
Nevada	50	11,217	9	1,956	48	9,262	51	4,752
New Hampshire	427	3,408	12	5	425	3,403	313	3,433
New Jersey	1,456	54,062	61	8,329	1,444	45,733	1,435	59,024
New Mexico	1,743	36,933	198	14,410	1,671	22,523	457	33,297
New York	3,192	160,596	591	78,183	2,987	82,413	2,637	143,967
North Carolina	3,740	118,780	591	29,436	3,522	89,343	2,550	66,521
North Dakota	224	94,543	75	69,907	171	24,637	69	655
Ohio	2,873	47,014	369	13,681	2,724	33,333	2,323	45,542
Oklahoma	834	18,013	63	10,707	799	7,306	582	18,565
Oregon	1,519	149,665	411	106,211	1,265	43,453	1,708	121,338
Pennsylvania	4,338	55,655	443	17,217	4,147	38,439	3,478	48,698
Rhode Island	203	2,418	5	(D)	203	(D)	141	1,961
South Carolina	1,520	28,275	131	3,303	1,480	24,971	1,046	30,362
South Dakota	141	1,766	8	823	137	943	151	2,502
Tennessee	1,543	34,013	19	(D)	1,535	(D)	1,501	39,502
Texas	2,353	128,108	416	43,773	2,173	84,335	2,506	126,044
Utah	583	5,920	41	76	573	5,844	323	4,792
Vermont	494	2,927	41	(D)	486	(D)	413	2,893
Virginia	1,616	27,887	216	4,881	1,562	23,006	1,195	24,377
Washington	2,026	343,787	536	268,077	1,680	75,711	1,804	215,135
West Virginia	726	2,210	9	6	723	2,204	365	1,707
Wisconsin	3,319	297,238	1,282	241,474	2,145	55,764	2,850	252,693
Wyoming	46	952	2	(D)	44	(D)	18	128
ARTICHOKES, EXCLUDING JERUSALEM								
United States Total								
United States	118	9,687	-	-	118	9,687	93	7,789
States								
Arizona	5	(D)	-	-	5	(D)	1	(D)
California	83	9,612	-	-	83	9,612	83	7,725
Hawaii	1	(D)	-	-	1	(D)	2	(D)
Oregon	13	30	-	-	13	30	4	24
Texas	1	(D)	-	-	1	(D)	-	-
Washington	15	(D)	-	-	15	(D)	3	(D)
ASPARAGUS								
United States Total								
United States	2,605	43,010	219	11,087	2,465	31,923	2,987	74,987
States								
Alabama	8	2	-	-	8	2	3	(Z)
Alaska	2	(D)	-	-	2	(D)	2	(D)
Arizona	7	1	-	-	7	1	14	4
Arkansas	18	9	2	(D)	16	(D)	16	18
California	115	20,211	-	-	115	20,211	189	34,249
Colorado	9	23	-	-	9	23	21	352
Connecticut	38	49	3	1	37	48	29	44
Delaware	12	(D)	-	-	12	(D)	15	76
Georgia	7	9	-	-	7	9	4	(D)
Hawaii	17	141	-	-	17	141	16	81
Idaho	17	125	5	15	17	111	29	397

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
ASPARAGUS - Con.								
States - Con.								
Illinois	97	152	5	3	97	149	93	224
Indiana	46	180	-	-	46	180	72	167
Iowa	85	60	2	(D)	84	(D)	80	129
Kansas	44	76	-	-	44	76	40	54
Kentucky	65	61	-	-	65	61	46	44
Louisiana	2	(D)	2	(D)	2	(D)	1	(D)
Maine	32	8	-	-	32	8	27	17
Maryland	54	81	2	(D)	54	(D)	66	148
Massachusetts	73	114	-	-	73	114	78	122
Michigan	354	12,127	150	10,031	251	2,096	431	16,157
Minnesota	64	(D)	-	-	64	(D)	86	194
Mississippi	-	-	-	-	-	-	6	(D)
Missouri	78	39	3	(D)	77	(D)	62	46
Montana	6	3	-	-	6	3	12	4
Nebraska	30	17	-	-	30	17	15	22
Nevada	1	(D)	-	-	1	(D)	4	1
New Hampshire	37	13	-	-	37	13	13	5
New Jersey	132	962	-	-	132	962	142	1,251
New Mexico	14	10	-	-	14	10	12	6
New York	129	204	14	18	120	186	173	342
North Carolina	66	108	1	(D)	66	(D)	60	563
North Dakota	2	(D)	-	-	2	(D)	4	2
Ohio	120	95	-	-	120	95	114	127
Oklahoma	22	13	1	(D)	22	(D)	31	16
Oregon	33	369	1	(D)	33	(D)	83	977
Pennsylvania	211	169	-	-	211	169	231	193
Rhode Island	4	2	-	-	4	2	6	3
South Carolina	5	(D)	-	-	5	(D)	13	(D)
South Dakota	12	10	-	-	12	10	10	7
Tennessee	13	6	-	-	13	6	12	4
Texas	9	16	1	(D)	8	(D)	20	11
Utah	12	13	-	-	12	13	19	14
Vermont	40	18	-	-	40	18	35	24
Virginia	78	88	4	2	75	87	74	122
Washington	140	7,005	23	976	121	6,029	314	18,226
West Virginia	17	13	-	-	17	13	11	8
Wisconsin	223	244	-	-	223	244	152	276
Wyoming	5	1	-	-	5	1	1	(D)
BEANS, GREEN LIMA								
United States Total								
United States	1,020	42,529	260	37,450	772	5,079	1,077	51,773
States								
Alabama	75	240	4	1	73	239	73	(D)
Arizona	5	2	-	-	5	2	-	-
Arkansas	8	4	-	-	8	4	4	4
California	71	7,802	40	7,755	31	47	78	14,821
Colorado	1	(D)	-	-	1	(D)	-	-
Connecticut	2	(D)	-	-	2	(D)	4	1
Delaware	44	11,188	33	11,169	11	19	37	11,172
Florida	14	88	-	-	14	88	25	68
Georgia	51	2,747	1	(D)	50	(D)	81	1,544
Hawaii	6	1	-	-	6	1	4	2
Illinois	71	2,580	54	2,543	21	36	48	2,979
Indiana	5	1	-	-	5	1	9	(D)
Iowa	7	1	-	-	7	1	1	(D)
Kansas	4	1	-	-	4	1	1	(D)
Kentucky	13	2	-	-	13	2	7	5
Louisiana	6	9	2	(D)	4	(D)	5	(D)
Maryland	40	636	10	613	30	23	44	(D)
Massachusetts	3	(Z)	-	-	3	(Z)	3	(D)
Michigan	18	(D)	1	(D)	17	9	15	(D)
Minnesota	16	849	10	(D)	6	(D)	20	(D)
Mississippi	35	153	5	(D)	31	(D)	47	707
Missouri	3	(D)	2	(D)	1	(D)	1	(D)
New Hampshire	-	-	-	-	-	-	2	(D)
New Jersey	35	450	4	408	31	42	64	(D)
New Mexico	6	2	-	-	6	2	1	(D)
New York	12	7	2	(D)	12	(D)	13	8
North Carolina	141	900	8	17	135	883	125	(D)
Ohio	16	10	3	2	13	8	16	26
Oklahoma	5	2	-	-	5	2	2	(D)
Oregon	10	2,101	8	(D)	2	(D)	4	(D)
Pennsylvania	64	23	-	-	64	23	80	33
Rhode Island	-	-	-	-	-	-	3	3
South Carolina	69	798	5	(D)	65	(D)	58	1,284
Tennessee	22	(D)	1	(D)	21	(D)	6	(D)
Texas	3	(D)	1	(D)	2	(D)	1	(D)
Vermont	-	-	-	-	-	-	2	(D)
Virginia	55	734	1	(D)	54	(D)	49	186
Washington	17	2,466	12	2,456	5	11	31	3,702
West Virginia	1	(D)	-	-	1	(D)	7	5
Wisconsin	66	3,435	53	3,433	13	2	106	5,458

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
BEANS, SNAP								
United States Total								
United States	17,300	303,997	1,999	198,101	15,654	105,896	11,343	307,101
States								
Alabama	474	338	12	7	467	331	420	495
Alaska	12	3	-	-	12	3	4	(D)
Arizona	224	103	-	-	224	103	34	26
Arkansas	214	2,241	30	2,134	190	108	124	2,991
California	374	5,474	6	750	370	4,724	503	10,070
Colorado	112	486	-	-	112	486	59	485
Connecticut	234	1,015	13	(D)	225	(D)	99	976
Delaware	52	2,960	19	1,501	45	1,459	32	2,988
Florida	373	39,897	9	1,670	370	38,227	391	32,897
Georgia	375	16,866	21	2,305	358	14,561	362	16,465
Hawaii	102	134	-	-	102	134	129	208
Idaho	63	22	-	-	63	22	48	1,253
Illinois	364	11,992	81	11,592	291	400	248	14,189
Indiana	385	4,526	44	4,134	348	391	303	6,234
Iowa	203	837	14	755	189	82	176	511
Kansas	106	50	-	-	106	50	74	26
Kentucky	815	424	47	17	783	407	424	541
Louisiana	167	152	17	60	155	93	125	118
Maine	319	185	21	3	309	182	174	156
Maryland	302	5,696	50	4,486	268	1,210	178	4,721
Massachusetts	336	394	-	-	336	394	161	294
Michigan	705	19,414	117	16,462	600	2,952	502	20,726
Minnesota	427	5,128	38	4,424	393	704	287	4,876
Mississippi	288	402	29	(D)	269	(D)	219	1,085
Missouri	431	7,636	44	6,801	393	836	200	3,962
Montana	71	19	-	-	71	19	41	15
Nebraska	97	25	5	1	93	25	52	40
Nevada	14	4	1	(D)	13	(D)	4	2
New Hampshire	189	116	2	(D)	188	(D)	65	87
New Jersey	372	3,265	9	641	366	2,624	222	4,716
New Mexico	121	934	13	662	108	272	31	902
New York	979	31,204	139	24,046	876	7,158	454	28,471
North Carolina	1,270	8,769	163	3,055	1,166	5,714	822	9,433
North Dakota	14	5	-	-	14	5	23	52
Ohio	786	2,511	52	44	751	2,467	622	2,070
Oklahoma	231	2,425	21	2,138	210	286	133	2,310
Oregon	475	18,445	144	17,870	342	575	495	19,754
Pennsylvania	1,065	9,348	130	8,000	958	1,348	537	9,939
Rhode Island	61	46	-	-	61	46	13	61
South Carolina	449	1,103	32	136	423	967	277	1,228
South Dakota	29	5	-	-	29	5	13	4
Tennessee	512	9,772	5	(D)	511	(D)	159	10,353
Texas	451	9,485	78	7,261	389	2,224	254	6,359
Utah	62	65	2	(D)	60	(D)	21	121
Vermont	168	68	9	1	162	67	82	71
Virginia	606	5,635	73	2,469	560	3,167	429	4,712
Washington	453	3,346	35	2,603	424	743	275	1,613
West Virginia	335	141	-	-	335	141	116	101
Wisconsin	1,020	70,885	474	69,862	553	1,023	926	78,395
Wyoming	13	1	-	-	13	1	1	(D)
BEETS								
United States Total								
United States	2,744	8,412	117	5,275	2,651	3,138	2,123	9,092
States								
Alabama	6	4	-	-	6	4	5	2
Alaska	12	5	-	-	12	5	10	4
Arizona	19	5	-	-	19	5	33	28
Arkansas	10	2	2	(D)	8	(D)	12	4
California	198	979	1	(D)	197	(D)	229	1,380
Colorado	40	85	-	-	40	85	28	72
Connecticut	31	8	-	-	31	8	27	10
Delaware	7	2	-	-	7	2	-	-
Florida	12	(D)	-	-	12	(D)	-	-
Georgia	10	(D)	-	-	10	(D)	11	24
Hawaii	29	11	-	-	29	11	18	3
Idaho	17	2	-	-	17	2	18	4
Illinois	78	48	6	1	74	47	40	(D)
Indiana	26	6	-	-	26	6	20	17
Iowa	52	7	-	-	52	7	33	8
Kansas	39	8	-	-	39	8	25	9
Kentucky	50	7	-	-	50	7	23	8
Louisiana	10	2	-	-	10	2	9	4
Maine	86	35	4	(D)	83	(D)	91	38
Maryland	51	14	6	1	45	13	40	33
Massachusetts	92	37	-	-	92	37	57	23
Michigan	140	(D)	2	(D)	139	333	65	255
Minnesota	134	34	4	(Z)	132	33	69	547
Mississippi	5	1	-	-	5	1	2	(D)
Missouri	55	12	4	6	51	7	34	12
Montana	52	10	-	-	52	10	25	7
Nebraska	19	8	-	-	19	8	23	7
Nevada	1	(D)	-	-	1	(D)	3	1

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
BEETS - Con.								
States - Con.								
New Hampshire	55	14	-	-	55	14	25	9
New Jersey	62	265	-	-	62	265	65	240
New Mexico	27	7	-	-	27	7	23	14
New York	185	2,173	23	2,058	169	115	182	1,868
North Carolina	91	(D)	-	-	91	(D)	43	25
North Dakota	12	3	-	-	12	3	9	2
Ohio	114	131	4	(D)	113	(D)	89	164
Oklahoma	36	13	5	1	33	12	16	5
Oregon	62	425	4	142	58	283	106	(D)
Pennsylvania	187	67	-	-	187	67	163	102
Rhode Island	14	3	-	-	14	3	7	4
South Carolina	6	(D)	-	-	6	(D)	2	(D)
South Dakota	5	1	-	-	5	1	4	2
Tennessee	24	10	-	-	24	10	3	1
Texas	33	515	5	210	31	305	58	431
Utah	19	6	-	-	19	6	16	6
Vermont	84	31	1	(D)	84	(D)	45	23
Virginia	68	31	3	1	66	30	50	203
Washington	145	88	1	(D)	145	(D)	102	64
West Virginia	14	3	-	-	14	3	20	4
Wisconsin	210	2,784	42	2,744	168	40	145	2,732
Wyoming	10	1	-	-	10	1	-	-
BROCCOLI								
United States Total								
United States	3,087	130,603	94	6,399	3,030	124,204	2,493	141,533
States								
Alabama	15	5	-	-	15	5	10	(D)
Alaska	22	28	-	-	22	28	31	37
Arizona	44	11,869	-	-	44	11,869	54	11,970
Arkansas	12	4	-	-	12	4	16	46
California	416	106,271	25	5,124	411	101,147	535	120,560
Colorado	20	509	-	-	20	509	25	562
Connecticut	63	38	4	(D)	59	(D)	30	20
Delaware	11	6	-	-	11	6	3	(D)
Florida	52	(D)	-	-	52	(D)	29	220
Georgia	29	219	-	-	29	219	15	(D)
Hawaii	26	100	-	-	26	100	23	153
Idaho	7	1	-	-	7	1	12	2
Illinois	47	50	-	-	47	50	38	34
Indiana	23	12	-	-	23	12	21	18
Iowa	42	11	3	(Z)	39	11	35	16
Kansas	37	6	-	-	37	6	19	6
Kentucky	58	16	-	-	58	16	24	49
Louisiana	36	22	1	(D)	35	(D)	24	19
Maine	71	(D)	-	-	71	(D)	59	(D)
Maryland	40	35	3	(D)	39	(D)	44	33
Massachusetts	98	71	-	-	98	71	74	43
Michigan	164	205	2	(D)	163	(D)	124	250
Minnesota	97	85	-	-	97	85	33	35
Mississippi	2	(D)	1	(D)	1	(D)	6	(D)
Missouri	33	9	1	(D)	33	(D)	29	6
Montana	42	10	-	-	42	10	17	4
Nebraska	18	5	-	-	18	5	9	1
Nevada	3	(D)	-	-	3	(D)	3	1
New Hampshire	51	24	-	-	51	24	28	7
New Jersey	74	139	-	-	74	139	70	123
New Mexico	5	1	-	-	5	1	6	1
New York	270	(D)	17	5	260	(D)	204	364
North Carolina	138	187	1	(D)	138	(D)	76	674
North Dakota	1	(D)	-	-	1	(D)	3	(Z)
Ohio	87	27	4	(Z)	83	27	64	37
Oklahoma	21	4	1	(D)	20	(D)	8	1
Oregon	104	1,410	18	1,204	87	206	117	1,414
Pennsylvania	218	183	1	(D)	218	(D)	219	211
Rhode Island	13	11	-	-	13	11	4	5
South Carolina	23	(D)	2	(D)	21	(D)	5	(D)
South Dakota	3	(Z)	-	-	3	(Z)	1	(D)
Tennessee	50	12	-	-	50	12	10	10
Texas	47	512	3	(D)	45	(D)	57	476
Utah	9	1	-	-	9	1	2	(D)
Vermont	75	33	2	(D)	73	(D)	48	50
Virginia	75	551	1	(D)	74	(D)	31	86
Washington	120	859	4	(D)	118	(D)	101	1,119
West Virginia	18	6	-	-	18	6	16	7
Wisconsin	155	(D)	-	-	155	(D)	80	78
Wyoming	2	(D)	-	-	2	(D)	1	(D)

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
BRUSSELS SPROUTS								
United States Total								
United States	483	3,874	16	924	476	2,950	193	3,100
States								
Alaska	7	3	-	-	7	3	1	(D)
Arizona	2	(D)	-	-	2	(D)	-	-
California	51	3,617	6	920	51	2,697	39	2,982
Colorado	4	2	-	-	4	2	-	-
Connecticut	10	1	-	-	10	1	4	(D)
Delaware	1	(D)	-	-	1	(D)	1	(D)
Florida	1	(D)	-	-	1	(D)	-	-
Georgia	1	(D)	-	-	1	(D)	-	-
Idaho	1	(D)	-	-	1	(D)	-	-
Illinois	20	(D)	-	-	20	(D)	2	(D)
Indiana	1	(D)	-	-	1	(D)	-	-
Iowa	3	(Z)	-	-	3	(Z)	-	-
Maine	10	2	-	-	10	2	6	2
Maryland	-	-	-	-	-	-	1	(D)
Massachusetts	24	6	-	-	24	6	7	5
Michigan	41	27	1	(D)	40	(D)	2	(D)
Minnesota	14	(D)	-	-	14	(D)	2	(D)
Montana	4	1	-	-	4	1	-	-
New Hampshire	7	1	-	-	7	1	1	(D)
New Jersey	16	17	-	-	16	17	12	7
New York	88	60	7	2	84	58	51	56
North Carolina	6	1	-	-	6	1	-	-
North Dakota	1	(D)	-	-	1	(D)	-	-
Ohio	10	2	-	-	10	2	1	(D)
Oklahoma	2	(D)	-	-	2	(D)	-	-
Oregon	11	(D)	1	(D)	10	(D)	5	2
Pennsylvania	35	19	-	-	35	19	41	29
Rhode Island	4	(Z)	-	-	4	(Z)	1	(D)
South Carolina	1	(D)	-	-	1	(D)	-	-
South Dakota	1	(D)	-	-	1	(D)	-	-
Texas	1	(D)	-	-	1	(D)	-	-
Vermont	27	5	-	-	27	5	10	3
Virginia	2	(D)	-	-	2	(D)	-	-
Washington	20	4	-	-	20	4	3	1
Wisconsin	56	15	1	(D)	55	(D)	3	1
CABBAGE, CHINESE								
United States Total								
United States	620	11,480	6	9	618	11,471	469	12,293
States								
Alabama	2	(D)	-	-	2	(D)	5	3
Alaska	4	1	-	-	4	1	-	-
Arizona	-	-	-	-	-	-	6	258
California	111	5,593	-	-	111	5,593	154	7,250
Colorado	3	(D)	-	-	3	(D)	-	-
Connecticut	5	3	-	-	5	3	1	(D)
Delaware	1	(D)	-	-	1	(D)	2	(D)
Florida	40	3,206	-	-	40	3,206	26	1,631
Georgia	9	10	-	-	9	10	5	(D)
Hawaii	53	271	-	-	53	271	40	268
Idaho	1	(D)	-	-	1	(D)	-	-
Illinois	3	(Z)	-	-	3	(Z)	-	-
Indiana	4	(D)	-	-	4	(D)	-	-
Iowa	3	(Z)	-	-	3	(Z)	-	-
Kansas	5	2	-	-	5	2	-	-
Kentucky	14	3	-	-	14	3	22	25
Louisiana	5	2	1	(D)	4	(D)	-	-
Maine	5	(D)	-	-	5	(D)	6	2
Maryland	7	17	-	-	7	17	6	36
Massachusetts	15	3	-	-	15	3	6	(D)
Michigan	28	194	-	-	28	194	5	115
Minnesota	10	4	-	-	10	4	-	-
Missouri	8	(D)	1	(D)	8	(D)	-	-
New Hampshire	2	(D)	-	-	2	(D)	-	-
New Jersey	27	981	-	-	27	981	31	928
New Mexico	8	1	-	-	8	1	-	-
New York	42	186	2	(D)	42	(D)	36	314
North Carolina	35	192	-	-	35	192	39	1,046
Ohio	18	14	-	-	18	14	2	(D)
Oklahoma	4	1	1	(D)	4	(D)	-	-
Oregon	12	42	-	-	12	42	11	18
Pennsylvania	18	9	-	-	18	9	15	26
Rhode Island	4	(Z)	-	-	4	(Z)	-	-
South Carolina	13	4	-	-	13	4	3	2
Tennessee	14	5	-	-	14	5	6	5
Texas	7	517	-	-	7	517	-	-
Utah	-	-	-	-	-	-	1	(D)
Vermont	5	(D)	-	-	5	(D)	5	1
Virginia	14	20	-	-	14	20	14	54
Washington	31	132	1	(D)	30	(D)	15	109
West Virginia	1	(D)	-	-	1	(D)	5	2
Wisconsin	29	27	-	-	29	27	2	(D)

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
CABBAGE, HEAD								
United States Total								
United States	4,086	80,620	175	9,866	3,986	70,753	3,757	85,324
States								
Alabama	60	(D)	2	(D)	60	(D)	35	118
Alaska	24	34	-	-	24	34	30	45
Arizona	23	2,675	-	-	23	2,675	22	3,794
Arkansas	26	12	-	-	26	12	17	165
California	177	14,099	4	147	177	13,952	256	11,603
Colorado	33	2,146	1	(D)	32	(D)	32	2,384
Connecticut	48	101	-	-	48	101	41	180
Delaware	7	(D)	2	(D)	5	(D)	10	(D)
Florida	81	9,817	-	-	81	9,817	126	7,418
Georgia	120	6,581	-	-	120	6,581	96	10,343
Hawaii	29	434	1	(D)	28	(D)	37	597
Idaho	6	1	-	-	6	1	15	6
Illinois	87	482	1	(D)	86	(D)	72	705
Indiana	66	101	1	(D)	65	(D)	84	227
Iowa	52	141	2	(D)	51	(D)	66	223
Kansas	34	(D)	1	(D)	33	12	20	9
Kentucky	150	219	2	(D)	148	(D)	116	262
Louisiana	48	82	1	(D)	47	(D)	40	79
Maine	59	80	-	-	59	80	50	93
Maryland	39	163	3	(D)	38	(D)	64	248
Massachusetts	93	260	3	(D)	91	(D)	68	240
Michigan	243	2,486	14	728	239	1,757	212	2,139
Minnesota	156	360	-	-	156	360	92	406
Mississippi	9	22	-	-	9	22	16	138
Missouri	39	88	-	-	39	88	32	114
Montana	49	13	-	-	49	13	27	10
Nebraska	23	10	-	-	23	10	17	26
Nevada	3	(D)	1	(D)	2	(D)	2	(D)
New Hampshire	31	15	-	-	31	15	16	13
New Jersey	94	1,620	1	(D)	94	(D)	124	1,778
New Mexico	42	348	-	-	42	348	15	251
New York	316	13,618	47	3,359	292	10,259	291	15,269
North Carolina	277	5,200	13	642	271	4,557	223	4,287
North Dakota	7	3	-	-	7	3	15	(D)
Ohio	249	2,311	17	1,501	238	810	263	1,954
Oklahoma	29	6	4	1	25	5	21	162
Oregon	58	978	9	247	52	731	107	942
Pennsylvania	361	1,146	8	9	354	1,138	367	1,323
Rhode Island	22	32	-	-	22	32	9	46
South Carolina	72	172	4	2	68	171	38	356
South Dakota	6	1	-	-	6	1	4	1
Tennessee	93	114	-	-	93	114	51	217
Texas	114	7,057	7	221	112	6,837	122	7,015
Utah	6	(D)	-	-	6	(D)	10	80
Vermont	52	37	1	(D)	52	(D)	32	47
Virginia	100	468	5	11	97	458	68	633
Washington	96	266	4	(D)	94	(D)	76	464
West Virginia	40	12	-	-	40	12	42	18
Wisconsin	233	5,990	16	2,449	221	3,541	167	8,044
Wyoming	4	(D)	-	-	4	(D)	1	(D)
CABBAGE, MUSTARD								
United States Total								
United States	53	66	1	(D)	52	(D)	29	160
States								
California	-	-	-	-	-	-	2	(D)
Hawaii	38	64	1	(D)	37	(D)	23	64
Idaho	2	(D)	-	-	2	(D)	-	-
Iowa	1	(D)	-	-	1	(D)	-	-
Kansas	1	(D)	-	-	1	(D)	-	-
New Jersey	1	(D)	-	-	1	(D)	-	-
New Mexico	4	(Z)	-	-	4	(Z)	-	-
New York	1	(D)	-	-	1	(D)	-	-
North Carolina	-	-	-	-	-	-	1	(D)
Ohio	-	-	-	-	-	-	2	(D)
Tennessee	-	-	-	-	-	-	1	(D)
Vermont	1	(D)	-	-	1	(D)	-	-
Washington	4	1	-	-	4	1	-	-
CANTALOUPES								
United States Total								
United States	9,148	84,290	18	34	9,140	84,256	7,478	105,262
States								
Alabama	323	475	-	-	323	475	258	600
Arizona	748	18,933	-	-	748	18,933	73	14,799
Arkansas	150	138	7	2	145	135	45	216
California	626	38,489	-	-	626	38,489	500	52,727
Colorado	62	1,499	-	-	62	1,499	81	1,453
Connecticut	47	54	-	-	47	54	56	36

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
CANTALOUPES - Con.								
States - Con.								
Delaware	42	150	-	-	42	150	42	179
Florida	138	2,795	-	-	138	2,795	87	2,767
Georgia	224	4,411	-	-	224	4,411	254	5,311
Hawaii	1	(D)	-	-	1	(D)	2	(D)
Idaho	47	(D)	-	-	47	(D)	31	37
Illinois	107	638	-	-	107	638	125	556
Indiana	185	1,447	-	-	185	1,447	260	2,211
Iowa	78	217	-	-	78	217	75	251
Kansas	75	164	-	-	75	164	71	365
Kentucky	446	620	-	-	446	620	339	575
Louisiana	102	63	-	-	102	63	41	40
Maine	30	14	-	-	30	14	44	13
Maryland	290	618	-	-	290	618	201	684
Massachusetts	51	46	-	-	51	46	59	46
Michigan	235	517	-	-	235	517	269	770
Minnesota	92	120	-	-	92	120	93	144
Mississippi	172	265	-	-	172	265	48	250
Missouri	293	431	-	-	293	431	136	367
Montana	19	27	-	-	19	27	11	25
Nebraska	44	81	-	-	44	81	45	196
Nevada	5	11	1	(D)	5	(D)	19	53
New Hampshire	24	11	-	-	24	11	35	19
New Jersey	137	273	-	-	137	273	158	495
New Mexico	220	(D)	7	27	218	(D)	93	301
New York	199	330	-	-	199	330	220	331
North Carolina	804	1,903	2	(D)	804	(D)	617	2,798
North Dakota	19	(D)	-	-	19	(D)	21	35
Ohio	273	576	-	-	273	576	349	624
Oklahoma	246	446	-	-	246	446	104	425
Oregon	75	141	-	-	75	141	140	217
Pennsylvania	480	805	-	-	480	805	569	1,014
Rhode Island	12	7	-	-	12	7	7	5
South Carolina	346	1,698	-	-	346	1,698	305	1,516
South Dakota	20	126	-	-	20	126	36	216
Tennessee	297	305	-	-	297	305	160	706
Texas	535	3,850	-	-	535	3,850	706	10,084
Utah	68	126	-	-	68	126	73	196
Vermont	41	11	-	-	41	11	31	17
Virginia	331	715	1	(D)	330	(D)	322	765
Washington	54	94	-	-	54	94	52	328
West Virginia	102	42	-	-	102	42	36	(D)
Wisconsin	229	235	-	-	229	235	176	292
Wyoming	4	(D)	-	-	4	(D)	3	(D)
CARROTS								
United States Total								
United States	2,543	90,292	202	24,931	2,393	65,362	1,792	107,013
States								
Alabama	6	3	-	-	6	3	4	(D)
Alaska	37	49	1	(D)	37	(D)	33	65
Arizona	43	(D)	-	-	43	(D)	33	2,190
Arkansas	13	5	-	-	13	5	4	(D)
California	326	56,263	34	4,594	303	51,669	417	68,635
Colorado	44	2,219	1	(D)	43	(D)	39	2,877
Connecticut	22	5	-	-	22	5	12	(D)
Delaware	2	(D)	-	-	2	(D)	-	-
Florida	23	1,509	2	(D)	22	(D)	22	(D)
Georgia	18	1,044	-	-	18	1,044	23	2,029
Hawaii	22	6	-	-	22	6	8	2
Idaho	48	19	-	-	48	19	20	8
Illinois	21	(D)	2	(D)	21	(D)	8	3
Indiana	14	2	-	-	14	2	4	(Z)
Iowa	32	128	3	124	30	4	22	(D)
Kansas	16	2	-	-	16	2	9	2
Kentucky	16	2	-	-	16	2	9	2
Louisiana	7	3	1	(D)	6	(D)	8	4
Maine	82	30	2	(D)	80	(D)	84	24
Maryland	12	1	-	-	12	1	10	14
Massachusetts	99	80	2	(D)	99	(D)	43	47
Michigan	140	5,499	26	3,338	118	2,161	97	6,047
Minnesota	97	1,371	6	888	92	483	59	1,789
Mississippi	1	(D)	1	(D)	-	-	1	(D)
Missouri	23	3	-	-	23	3	7	3
Montana	68	22	-	-	68	22	36	23
Nebraska	13	7	-	-	13	7	6	1
Nevada	5	3	1	(D)	4	(D)	5	2
New Hampshire	49	12	-	-	49	12	29	9
New Jersey	34	837	9	798	25	39	24	596
New Mexico	54	10	-	-	54	10	15	16
New York	119	1,194	14	1,050	109	143	123	1,481
North Carolina	37	6	-	-	37	6	23	8
North Dakota	6	(D)	1	(D)	5	2	9	(D)
Ohio	37	2,467	11	(D)	29	(D)	30	1,582
Oklahoma	21	6	1	(D)	20	(D)	3	(Z)
Oregon	180	1,084	5	405	176	679	86	193
Pennsylvania	63	85	2	(D)	61	(D)	54	176

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
CARROTS - Con.								
States - Con.								
Rhode Island	14	2	-	-	14	2	3	(D)
South Carolina	4	1	-	-	4	1	1	(D)
South Dakota	15	3	-	-	15	3	2	(D)
Tennessee	18	6	-	-	18	6	1	(D)
Texas	48	3,872	17	2,483	41	1,389	52	3,399
Utah	18	4	-	-	18	4	8	(D)
Vermont	68	27	2	(D)	66	(D)	53	26
Virginia	11	8	-	-	11	8	11	4
Washington	302	6,414	27	(D)	286	(D)	141	10,428
West Virginia	6	3	-	-	6	3	5	1
Wisconsin	181	3,988	31	3,942	150	46	94	4,674
Wyoming	8	1	-	-	8	1	2	(D)
CAULIFLOWER								
United States Total								
United States	1,136	39,515	49	2,019	1,104	37,496	1,032	44,163
States								
Alabama	1	(D)	-	-	1	(D)	-	-
Alaska	11	6	-	-	11	6	22	13
Arizona	27	3,905	-	-	27	3,905	18	4,632
Arkansas	-	-	-	-	-	-	2	(D)
California	194	32,277	11	838	189	31,439	256	35,494
Colorado	14	122	-	-	14	122	2	(D)
Connecticut	16	21	1	(D)	16	(D)	10	8
Delaware	10	27	1	(D)	10	(D)	1	(D)
Florida	11	(D)	-	-	11	(D)	15	(D)
Georgia	6	(D)	-	-	6	(D)	1	(D)
Hawaii	2	(D)	-	-	2	(D)	7	18
Idaho	1	(D)	-	-	1	(D)	4	(D)
Illinois	12	19	-	-	12	19	12	15
Indiana	13	6	-	-	13	6	15	12
Iowa	8	3	-	-	8	3	6	4
Kansas	8	1	-	-	8	1	2	(D)
Kentucky	16	5	-	-	16	5	-	-
Louisiana	20	29	-	-	20	29	9	10
Maine	12	(D)	-	-	12	(D)	11	8
Maryland	7	28	-	-	7	28	16	51
Massachusetts	25	11	-	-	25	11	12	(D)
Michigan	78	255	2	(D)	76	(D)	80	332
Minnesota	34	18	3	(Z)	33	18	11	27
Missouri	19	7	-	-	19	7	3	1
Montana	27	5	-	-	27	5	4	(Z)
Nebraska	9	2	-	-	9	2	2	(D)
Nevada	-	-	-	-	-	-	1	(D)
New Hampshire	10	7	-	-	10	7	2	(D)
New Jersey	20	42	-	-	20	42	19	48
New Mexico	-	-	-	-	-	-	3	(Z)
New York	142	295	9	54	138	242	100	366
North Carolina	3	1	-	-	3	1	-	-
North Dakota	-	-	-	-	-	-	1	(D)
Ohio	45	33	1	(D)	44	(D)	35	41
Oklahoma	1	(D)	1	(D)	-	-	2	(D)
Oregon	45	1,370	20	1,111	27	258	94	1,748
Pennsylvania	120	96	-	-	120	96	161	120
Rhode Island	2	(D)	-	-	2	(D)	-	-
South Carolina	3	1	-	-	3	1	-	-
South Dakota	1	(D)	-	-	1	(D)	-	-
Tennessee	14	3	-	-	14	3	-	-
Texas	23	123	-	-	23	123	18	102
Vermont	27	8	-	-	27	8	14	5
Virginia	7	1	-	-	7	1	-	-
Washington	29	310	-	-	29	310	25	450
West Virginia	7	1	-	-	7	1	1	(D)
Wisconsin	55	(D)	-	-	55	(D)	35	51
Wyoming	1	(D)	-	-	1	(D)	-	-
CELERY								
United States Total								
United States	326	29,907	30	1,606	311	28,301	303	28,241
States								
Alaska	4	(Z)	-	-	4	(Z)	5	2
Arizona	5	437	-	-	5	437	4	530
Arkansas	1	(D)	-	-	1	(D)	-	-
California	128	24,769	4	223	126	24,546	165	22,904
Connecticut	-	-	-	-	-	-	2	(D)
Delaware	3	(Z)	-	-	3	(Z)	-	-
Florida	3	(D)	-	-	3	(D)	8	(D)
Hawaii	8	14	-	-	8	14	6	46
Illinois	3	(Z)	-	-	3	(Z)	1	(D)
Indiana	1	(D)	-	-	1	(D)	-	-
Iowa	1	(D)	-	-	1	(D)	1	(D)
Kansas	2	(D)	-	-	2	(D)	2	(D)

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
CELERY - Con.								
States - Con.								
Louisiana	2	(D)	-	-	2	(D)	-	-
Maine	5	(D)	-	-	5	(D)	-	-
Maryland	-	-	-	-	-	-	2	(D)
Massachusetts	14	5	-	-	14	5	4	(D)
Michigan	33	1,968	18	(D)	27	(D)	34	2,232
Minnesota	3	(Z)	-	-	3	(Z)	-	-
Montana	2	(D)	-	-	2	(D)	-	-
Nebraska	-	-	-	-	-	-	1	(D)
New Hampshire	-	-	-	-	-	-	2	(D)
New Jersey	1	(D)	-	-	1	(D)	3	(D)
New Mexico	4	1	-	-	4	1	2	(D)
New York	15	10	3	(Z)	12	9	7	7
North Carolina	6	31	-	-	6	31	-	-
Ohio	3	(Z)	-	-	3	(Z)	3	16
Oklahoma	1	(D)	-	-	1	(D)	-	-
Oregon	10	50	3	(D)	8	(D)	14	137
Pennsylvania	25	28	-	-	25	28	15	33
Rhode Island	1	(D)	-	-	1	(D)	-	-
Tennessee	3	(Z)	-	-	3	(Z)	-	-
Texas	3	(D)	1	(D)	2	(D)	2	(D)
Vermont	1	(D)	-	-	1	(D)	5	2
Virginia	2	(D)	-	-	2	(D)	-	-
Washington	11	17	-	-	11	17	8	30
West Virginia	4	(Z)	-	-	4	(Z)	-	-
Wisconsin	18	(D)	1	(D)	17	3	7	(D)
CHICORY								
United States Total								
United States	46	2,118	-	-	46	2,118	53	2,649
States								
California	23	2,085	-	-	23	2,085	34	2,588
Florida	-	-	-	-	-	-	1	(D)
Illinois	-	-	-	-	-	-	1	(D)
Iowa	-	-	-	-	-	-	1	(D)
Maine	4	(D)	-	-	4	(D)	2	(D)
Massachusetts	2	(D)	-	-	2	(D)	-	-
Michigan	2	(D)	-	-	2	(D)	-	-
Nebraska	-	-	-	-	-	-	1	(D)
New Jersey	1	(D)	-	-	1	(D)	7	16
New York	7	2	-	-	7	2	6	8
Ohio	1	(D)	-	-	1	(D)	-	-
Oregon	1	(D)	-	-	1	(D)	-	-
Washington	5	1	-	-	5	1	-	-
COLLARDS								
United States Total								
United States	1,374	11,223	54	1,572	1,354	9,651	1,190	16,782
States								
Alabama	122	323	6	2	122	321	91	789
Alaska	2	(D)	-	-	2	(D)	9	5
Arizona	4	(D)	-	-	4	(D)	8	186
Arkansas	17	62	3	(D)	15	(D)	17	33
California	42	183	-	-	42	183	77	738
Connecticut	12	11	1	(D)	12	(D)	7	(D)
Delaware	8	1	-	-	8	1	6	(D)
Florida	156	227	-	-	156	227	114	755
Georgia	133	3,320	1	(D)	132	(D)	134	5,728
Hawaii	9	5	-	-	9	5	1	(D)
Illinois	11	13	-	-	11	13	8	(D)
Indiana	2	(D)	-	-	2	(D)	7	8
Iowa	9	1	-	-	9	1	5	2
Kansas	6	1	-	-	6	1	-	-
Kentucky	18	12	-	-	18	12	5	3
Louisiana	16	20	2	(D)	16	(D)	27	37
Maine	2	(D)	-	-	2	(D)	1	(D)
Maryland	29	(D)	1	(D)	28	(D)	41	231
Massachusetts	22	(D)	-	-	22	(D)	7	(D)
Michigan	42	152	-	-	42	152	20	185
Minnesota	1	(D)	-	-	1	(D)	-	-
Mississippi	25	74	4	(D)	24	(D)	21	61
Missouri	7	5	-	-	7	5	2	(D)
Nebraska	-	-	-	-	-	-	1	(D)
New Hampshire	-	-	-	-	-	-	3	1
New Jersey	54	838	2	(D)	53	(D)	63	705
New Mexico	7	1	-	-	7	1	2	(D)
New York	45	96	-	-	45	96	36	76
North Carolina	248	1,691	12	(D)	245	(D)	190	2,552
Ohio	24	211	-	-	24	211	16	102
Oklahoma	14	(D)	2	(D)	12	(D)	11	(D)
Oregon	3	2	-	-	3	2	2	(D)
Pennsylvania	16	15	-	-	16	15	26	101
Rhode Island	1	(D)	-	-	1	(D)	-	-

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
COLLARDS - Con.								
States - Con.								
South Carolina	125	2,377	6	(D)	122	(D)	90	2,011
Tennessee	16	(D)	1	(D)	15	12	6	(D)
Texas	41	620	8	302	36	318	48	1,068
Utah	3	(Z)	-	-	3	(Z)	-	-
Vermont	7	5	-	-	7	5	7	4
Virginia	54	138	5	15	54	122	72	343
Washington	5	1	-	-	5	1	2	(D)
West Virginia	7	2	-	-	7	2	2	(D)
Wisconsin	9	4	-	-	9	4	5	(D)
CUCUMBERS AND PICKLES								
United States Total								
United States	11,202	151,759	750	95,380	10,614	56,380	7,563	166,124
States								
Alabama	312	(D)	14	(D)	299	185	232	1,925
Alaska	13	2	-	-	13	2	4	2
Arizona	104	38	-	-	104	38	27	21
Arkansas	197	193	7	1	190	191	59	29
California	435	6,999	23	3,885	417	3,114	508	9,351
Colorado	53	130	-	-	53	130	54	286
Connecticut	140	302	3	(D)	139	(D)	119	373
Delaware	57	4,061	11	4,028	47	33	27	4,109
Florida	232	24,411	24	9,423	224	14,988	262	17,984
Georgia	237	9,800	9	1,089	231	8,711	235	12,604
Hawaii	36	296	-	-	36	296	73	378
Idaho	65	14	-	-	65	14	24	11
Illinois	144	1,351	13	1,038	132	313	109	1,151
Indiana	162	1,807	14	1,698	150	108	121	1,685
Iowa	87	35	5	(D)	84	(D)	79	88
Kansas	73	19	-	-	73	19	29	13
Kentucky	503	183	12	7	493	177	280	146
Louisiana	159	341	16	10	150	331	80	302
Maine	184	142	9	7	178	135	170	135
Maryland	299	2,841	29	2,483	276	358	146	3,552
Massachusetts	216	416	2	(D)	214	(D)	175	1,336
Michigan	490	40,829	117	35,812	386	5,017	481	42,303
Minnesota	246	168	3	(D)	246	(D)	144	470
Mississippi	201	(D)	13	8	191	(D)	35	40
Missouri	316	6,814	20	6,665	298	149	91	11,325
Montana	64	38	-	-	64	38	26	18
Nebraska	65	30	3	(D)	62	(D)	40	100
Nevada	4	(D)	-	-	4	(D)	4	1
New Hampshire	134	68	3	1	133	67	72	47
New Jersey	254	4,155	11	637	251	3,518	242	3,476
New Mexico	208	54	14	3	196	50	40	(D)
New York	462	3,785	19	115	456	3,670	368	3,265
North Carolina	1,016	12,528	118	6,184	916	6,344	686	16,396
North Dakota	16	9	-	-	16	9	20	12
Ohio	324	2,395	34	1,228	298	1,167	294	2,606
Oklahoma	249	76	6	1	244	75	84	152
Oregon	324	1,022	20	651	306	371	188	1,776
Pennsylvania	348	609	6	2	345	608	375	670
Rhode Island	40	16	-	-	40	16	23	15
South Carolina	396	2,035	25	941	378	1,093	267	4,858
South Dakota	19	6	-	-	19	6	11	(D)
Tennessee	359	174	4	1	356	173	113	116
Texas	483	10,395	72	8,052	422	2,343	313	10,377
Utah	28	(D)	-	-	28	(D)	25	14
Vermont	97	37	3	(D)	94	(D)	51	52
Virginia	457	861	30	(D)	434	(D)	322	2,069
Washington	345	2,072	26	1,461	326	611	176	4,304
West Virginia	182	48	-	-	182	48	59	31
Wisconsin	359	6,084	12	5,910	347	174	197	5,980
Wyoming	8	1	-	-	8	1	3	(D)
DAIKON								
United States Total								
United States	139	624	2	(D)	138	(D)	177	1,125
States								
Arizona	-	-	-	-	-	-	3	3
California	83	389	-	-	83	389	126	591
Florida	3	1	-	-	3	1	-	-
Hawaii	23	184	1	(D)	22	(D)	39	169
Iowa	1	(D)	-	-	1	(D)	-	-
Maryland	2	(D)	-	-	2	(D)	-	-
Massachusetts	1	(D)	-	-	1	(D)	-	-
Michigan	1	(D)	-	-	1	(D)	-	-
Minnesota	1	(D)	-	-	1	(D)	-	-
New Jersey	3	(D)	-	-	3	(D)	1	(D)
New York	10	16	1	(D)	10	(D)	1	(D)
North Carolina	1	(D)	-	-	1	(D)	3	36
Oregon	-	-	-	-	-	-	1	(D)
Pennsylvania	1	(D)	-	-	1	(D)	-	-

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
DAIKON - Con.								
States - Con.								
Texas	-	-	-	-	-	-	1	(D)
Vermont	-	-	-	-	-	-	2	(D)
Virginia	1	(D)	-	-	1	(D)	-	-
Washington	3	(Z)	-	-	3	(Z)	-	-
West Virginia	1	(D)	-	-	1	(D)	-	-
Wisconsin	4	(Z)	-	-	4	(Z)	-	-
EGGPLANT								
United States Total								
United States	2,904	6,038	25	228	2,892	5,810	2,213	6,401
States								
Alabama	33	16	-	-	33	16	31	36
Arizona	10	2	-	-	10	2	17	4
Arkansas	27	8	-	-	27	8	14	9
California	306	1,191	-	-	306	1,191	322	1,475
Colorado	23	22	-	-	23	22	10	4
Connecticut	109	230	2	(D)	109	(D)	75	96
Delaware	23	(D)	-	-	23	(D)	8	4
Florida	76	1,173	2	(D)	74	(D)	74	1,174
Georgia	55	827	1	(D)	55	(D)	44	1,120
Hawaii	165	83	-	-	165	83	143	163
Idaho	6	1	-	-	6	1	7	1
Illinois	73	54	-	-	73	54	38	19
Indiana	41	24	-	-	41	24	25	19
Iowa	23	6	-	-	23	6	20	6
Kansas	25	7	-	-	25	7	14	4
Kentucky	55	17	-	-	55	17	13	2
Louisiana	41	38	-	-	41	38	45	28
Maine	21	3	1	(D)	21	(D)	26	8
Maryland	72	40	-	-	72	40	63	67
Massachusetts	109	65	-	-	109	65	91	71
Michigan	128	236	1	(D)	127	(D)	69	400
Minnesota	57	33	-	-	57	33	25	18
Mississippi	19	(D)	-	-	19	(D)	15	20
Missouri	49	14	-	-	49	14	20	10
Montana	6	1	-	-	6	1	6	1
Nebraska	24	5	-	-	24	5	13	6
Nevada	4	1	-	-	4	1	1	(D)
New Hampshire	33	7	-	-	33	7	26	5
New Jersey	237	959	-	-	237	959	239	821
New Mexico	17	3	-	-	17	3	11	4
New York	183	222	9	14	176	208	124	136
North Carolina	101	127	2	(D)	101	(D)	70	170
North Dakota	3	1	-	-	3	1	2	(D)
Ohio	95	86	1	(D)	95	(D)	58	50
Oklahoma	22	6	-	-	22	6	14	2
Oregon	48	(D)	1	(D)	48	(D)	50	15
Pennsylvania	123	60	-	-	123	60	152	77
Rhode Island	40	16	-	-	40	16	13	13
South Carolina	34	40	1	(D)	34	(D)	11	123
South Dakota	4	1	-	-	4	1	-	-
Tennessee	34	18	-	-	34	18	8	10
Texas	44	80	2	(D)	42	(D)	67	105
Utah	8	4	-	-	8	4	1	(D)
Vermont	31	6	-	-	31	6	19	3
Virginia	87	45	2	(D)	87	(D)	46	65
Washington	60	26	-	-	60	26	23	14
West Virginia	28	8	-	-	28	8	7	4
Wisconsin	92	25	-	-	92	25	43	18
ESCAROLE AND ENDIVE								
United States Total								
United States	133	3,627	1	(D)	132	(D)	123	3,939
States								
Arizona	2	(D)	-	-	2	(D)	7	260
California	28	1,974	-	-	28	1,974	46	1,994
Connecticut	1	(D)	-	-	1	(D)	1	(D)
Florida	7	402	-	-	7	402	5	596
Indiana	1	(D)	-	-	1	(D)	-	-
Iowa	1	(D)	-	-	1	(D)	-	-
Maine	1	(D)	-	-	1	(D)	3	(D)
Maryland	1	(D)	-	-	1	(D)	2	(D)
Massachusetts	6	(D)	-	-	6	(D)	1	(D)
Michigan	6	4	-	-	6	4	-	-
New Jersey	32	546	-	-	32	546	40	729
New York	13	75	-	-	13	75	8	37
Ohio	4	164	-	-	4	164	4	312
Oregon	2	(D)	1	(D)	1	(D)	-	-
Pennsylvania	8	2	-	-	8	2	3	(D)
South Carolina	3	(D)	-	-	3	(D)	-	-
Texas	1	(D)	-	-	1	(D)	-	-
Vermont	-	-	-	-	-	-	3	(Z)

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
ESCAROLE AND ENDIVE - Con.								
States - Con.								
Washington	12	1	-	-	12	1	-	-
Wisconsin	4	1	-	-	4	1	-	-
GARLIC								
United States Total								
United States	2,277	26,172	128	14,285	2,188	11,887	1,855	32,398
States								
Alabama	7	5	-	-	7	5	1	(D)
Alaska	2	(D)	-	-	2	(D)	-	-
Arizona	20	647	4	(D)	16	(D)	12	5
Arkansas	14	2	-	-	14	2	7	(D)
California	280	22,177	59	12,510	231	9,666	339	28,690
Colorado	30	16	2	(D)	30	(D)	22	16
Connecticut	42	87	-	-	42	87	40	15
Delaware	-	-	-	-	-	-	1	(D)
Florida	5	1	-	-	5	1	9	3
Georgia	9	3	-	-	9	3	9	4
Hawaii	6	1	-	-	6	1	2	(D)
Idaho	21	5	-	-	21	5	16	14
Illinois	22	18	-	-	22	18	16	6
Indiana	23	7	-	-	23	7	8	2
Iowa	50	20	2	(D)	49	(D)	18	5
Kansas	21	5	-	-	21	5	8	2
Kentucky	32	11	1	(D)	32	(D)	20	8
Louisiana	9	5	-	-	9	5	6	3
Maine	36	9	2	(D)	34	(D)	64	19
Maryland	24	6	1	(D)	24	(D)	21	6
Massachusetts	53	18	1	(D)	52	(D)	39	16
Michigan	69	30	1	(D)	68	(D)	7	4
Minnesota	40	17	2	(D)	39	(D)	38	16
Mississippi	2	(D)	-	-	2	(D)	2	(D)
Missouri	34	6	-	-	34	6	25	6
Montana	56	23	2	(D)	56	(D)	33	17
Nebraska	4	3	-	-	4	3	7	3
Nevada	8	(D)	1	(D)	8	(D)	5	965
New Hampshire	49	12	2	(D)	49	(D)	24	5
New Jersey	18	7	-	-	18	7	17	8
New Mexico	59	26	-	-	59	26	23	8
New York	330	306	20	12	321	294	240	265
North Carolina	76	25	2	(D)	76	(D)	53	19
North Dakota	-	-	-	-	-	-	1	(D)
Ohio	71	32	-	-	71	32	65	22
Oklahoma	16	2	-	-	16	2	15	8
Oregon	161	1,783	14	(D)	149	(D)	193	1,954
Pennsylvania	93	(D)	1	(D)	93	(D)	97	45
Rhode Island	12	5	-	-	12	5	5	2
South Carolina	4	5	2	(D)	4	(D)	5	6
South Dakota	5	2	-	-	5	2	2	(D)
Tennessee	23	4	-	-	23	4	10	8
Texas	21	12	1	(D)	20	(D)	33	16
Utah	10	6	-	-	10	6	9	8
Vermont	47	10	1	(D)	46	(D)	45	18
Virginia	44	26	-	-	44	26	35	16
Washington	184	(D)	7	10	177	(D)	155	112
West Virginia	17	4	-	-	17	4	15	9
Wisconsin	116	34	-	-	116	34	37	23
Wyoming	2	(D)	-	-	2	(D)	1	(D)
GINSENG (SEE TEXT)								
United States Total								
United States	225	674	169	569	59	105	588	1,433
States								
Arkansas	-	-	-	-	-	-	2	(D)
California	2	(D)	-	-	2	(D)	1	(D)
Illinois	3	1	-	-	3	1	2	(D)
Indiana	-	-	-	-	-	-	3	8
Kentucky	3	(D)	-	-	3	(D)	4	5
Maine	2	(D)	-	-	2	(D)	1	(D)
Maryland	2	(D)	2	(D)	2	(D)	2	(D)
Michigan	2	(D)	1	(D)	2	(D)	10	59
Minnesota	5	15	2	(D)	3	(D)	6	15
Missouri	-	-	-	-	-	-	1	(D)
New Hampshire	-	-	-	-	-	-	1	(D)
New Jersey	2	(D)	-	-	2	(D)	-	-
New York	7	13	2	(D)	5	(D)	5	34
North Carolina	8	27	-	-	8	27	2	(D)
Ohio	5	(D)	2	(D)	3	(D)	-	-
Oregon	2	(D)	-	-	2	(D)	5	4
Pennsylvania	2	(D)	-	-	2	(D)	2	(D)
Tennessee	8	10	-	-	8	10	3	1
Texas	-	-	-	-	-	-	1	(D)
Virginia	-	-	-	-	-	-	3	(D)
Washington	5	1	-	-	5	1	7	15

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
GINSENG (SEE TEXT) - Con.								
States - Con.								
West Virginia	7	8	-	-	7	8	5	5
Wisconsin	160	554	160	554	-	-	522	1,261
HERBS, FRESH CUT								
United States Total								
United States	2,053	13,573	(X)	(X)	2,053	13,573	1,774	10,916
States								
Alabama	9	4	(X)	(X)	9	4	7	3
Alaska	5	2	(X)	(X)	5	2	5	3
Arizona	13	264	(X)	(X)	13	264	12	147
Arkansas	9	9	(X)	(X)	9	9	6	7
California	262	4,908	(X)	(X)	262	4,908	299	5,074
Colorado	35	468	(X)	(X)	35	468	20	(D)
Connecticut	15	4	(X)	(X)	15	4	24	8
Delaware	19	8	(X)	(X)	19	8	4	1
Florida	58	1,293	(X)	(X)	58	1,293	100	1,153
Georgia	18	11	(X)	(X)	18	11	22	75
Hawaii	97	292	(X)	(X)	97	292	90	221
Idaho	14	2	(X)	(X)	14	2	8	1
Illinois	29	96	(X)	(X)	29	96	22	237
Indiana	27	43	(X)	(X)	27	43	23	10
Iowa	25	8	(X)	(X)	25	8	16	7
Kansas	20	(D)	(X)	(X)	20	(D)	12	3
Kentucky	54	15	(X)	(X)	54	15	18	12
Louisiana	-	-	(X)	(X)	-	-	7	3
Maine	30	6	(X)	(X)	30	6	49	13
Maryland	29	13	(X)	(X)	29	13	12	5
Massachusetts	56	19	(X)	(X)	56	19	35	25
Michigan	74	102	(X)	(X)	74	102	56	228
Minnesota	49	(D)	(X)	(X)	49	(D)	34	59
Mississippi	8	4	(X)	(X)	8	4	8	2
Missouri	42	21	(X)	(X)	42	21	19	(D)
Montana	28	6	(X)	(X)	28	6	10	2
Nebraska	9	1	(X)	(X)	9	1	7	1
Nevada	3	2	(X)	(X)	3	2	3	(Z)
New Hampshire	30	18	(X)	(X)	30	18	20	18
New Jersey	106	1,749	(X)	(X)	106	1,749	98	1,251
New Mexico	30	30	(X)	(X)	30	30	16	5
New York	108	154	(X)	(X)	108	154	102	102
North Carolina	86	1,784	(X)	(X)	86	1,784	38	166
North Dakota	5	9	(X)	(X)	5	9	1	(D)
Ohio	60	191	(X)	(X)	60	191	41	92
Oklahoma	26	8	(X)	(X)	26	8	19	(D)
Oregon	78	305	(X)	(X)	78	305	117	412
Pennsylvania	72	46	(X)	(X)	72	46	72	38
Rhode Island	12	3	(X)	(X)	12	3	6	4
South Carolina	12	(D)	(X)	(X)	12	(D)	7	(D)
South Dakota	7	3	(X)	(X)	7	3	1	(D)
Tennessee	16	14	(X)	(X)	16	14	6	7
Texas	46	896	(X)	(X)	46	896	66	659
Utah	7	2	(X)	(X)	7	2	12	3
Vermont	29	15	(X)	(X)	29	15	24	6
Virginia	73	47	(X)	(X)	73	47	40	28
Washington	106	353	(X)	(X)	106	353	96	436
West Virginia	32	9	(X)	(X)	32	9	13	(D)
Wisconsin	72	21	(X)	(X)	72	21	51	56
Wyoming	3	1	(X)	(X)	3	1	-	-
HONEYDEW MELONS								
United States Total								
United States	396	17,344	1	(D)	396	(D)	363	24,258
States								
Alabama	7	12	-	-	7	12	1	(D)
Arizona	27	3,132	-	-	27	3,132	22	2,181
Arkansas	2	(D)	-	-	2	(D)	-	-
California	88	13,303	-	-	88	13,303	153	20,192
Colorado	5	5	-	-	5	5	1	(D)
Connecticut	1	(D)	-	-	1	(D)	-	-
Delaware	-	-	-	-	-	-	2	(D)
Florida	4	2	-	-	4	2	-	-
Georgia	1	(D)	-	-	1	(D)	-	-
Hawaii	1	(D)	-	-	1	(D)	2	(D)
Idaho	6	1	-	-	6	1	-	-
Illinois	8	2	-	-	8	2	8	4
Indiana	15	8	-	-	15	8	3	(D)
Iowa	1	(D)	-	-	1	(D)	-	-
Kansas	4	(D)	-	-	4	(D)	-	-
Kentucky	8	2	-	-	8	2	-	-
Louisiana	1	(D)	-	-	1	(D)	3	(Z)
Maine	1	(D)	-	-	1	(D)	4	1
Maryland	4	2	-	-	4	2	9	7
Massachusetts	5	2	-	-	5	2	3	1
Michigan	14	13	-	-	14	13	16	27

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
HONEYDEW MELONS - Con.								
States - Con.								
Minnesota	2	(D)	-	-	2	(D)	-	-
Missouri	2	(D)	-	-	2	(D)	-	-
Nebraska	2	(D)	-	-	2	(D)	4	3
Nevada	2	(D)	-	-	2	(D)	4	(D)
New Hampshire	2	(D)	-	-	2	(D)	3	(D)
New Jersey	6	6	-	-	6	6	9	33
New Mexico	33	32	1	(D)	33	(D)	4	3
New York	16	8	-	-	16	8	18	20
North Carolina	12	45	-	-	12	45	-	-
Ohio	12	12	-	-	12	12	11	5
Oklahoma	4	(Z)	-	-	4	(Z)	-	-
Oregon	4	(D)	-	-	4	(D)	15	16
Pennsylvania	15	17	-	-	15	17	28	21
Rhode Island	9	1	-	-	9	1	1	(D)
South Carolina	7	5	-	-	7	5	-	-
South Dakota	2	(D)	-	-	2	(D)	-	-
Tennessee	3	1	-	-	3	1	-	-
Texas	6	(D)	-	-	6	(D)	21	1,598
Utah	8	9	-	-	8	9	2	(D)
Vermont	2	(D)	-	-	2	(D)	4	1
Virginia	10	5	-	-	10	5	-	-
Washington	12	(D)	-	-	12	(D)	4	5
West Virginia	6	1	-	-	6	1	-	-
Wisconsin	16	3	-	-	16	3	8	3
HORSERADISH								
United States Total								
United States	112	3,692	28	3,597	87	94	(NA)	(NA)
States								
Alabama	2	(D)	-	-	2	(D)	(NA)	(NA)
California	3	(D)	2	(D)	1	(D)	(NA)	(NA)
Connecticut	2	(D)	1	(D)	1	(D)	(NA)	(NA)
Georgia	3	2	-	-	3	2	(NA)	(NA)
Idaho	3	1	-	-	3	1	(NA)	(NA)
Illinois	16	1,844	16	(D)	2	(D)	(NA)	(NA)
Indiana	4	(Z)	-	-	4	(Z)	(NA)	(NA)
Iowa	6	1	-	-	6	1	(NA)	(NA)
Kansas	2	(D)	-	-	2	(D)	(NA)	(NA)
Louisiana	1	(D)	-	-	1	(D)	(NA)	(NA)
Maryland	4	(D)	2	(D)	2	(D)	(NA)	(NA)
Massachusetts	1	(D)	-	-	1	(D)	(NA)	(NA)
Michigan	5	2	-	-	5	2	(NA)	(NA)
Minnesota	5	3	-	-	5	3	(NA)	(NA)
Montana	2	(D)	-	-	2	(D)	(NA)	(NA)
Nebraska	2	(D)	-	-	2	(D)	(NA)	(NA)
New Jersey	4	(D)	-	-	4	(D)	(NA)	(NA)
New York	8	5	-	-	8	5	(NA)	(NA)
North Carolina	1	(D)	-	-	1	(D)	(NA)	(NA)
North Dakota	1	(D)	-	-	1	(D)	(NA)	(NA)
Ohio	5	1	-	-	5	1	(NA)	(NA)
Oregon	1	(D)	-	-	1	(D)	(NA)	(NA)
Pennsylvania	16	8	4	5	13	3	(NA)	(NA)
Tennessee	2	(D)	-	-	2	(D)	(NA)	(NA)
Texas	1	(D)	-	-	1	(D)	(NA)	(NA)
Vermont	2	(D)	2	(D)	-	-	(NA)	(NA)
Washington	4	1	-	-	4	1	(NA)	(NA)
West Virginia	1	(D)	-	-	1	(D)	(NA)	(NA)
Wisconsin	5	(D)	1	(D)	4	1	(NA)	(NA)
KALE								
United States Total								
United States	954	3,994	12	211	946	3,784	679	4,901
States								
Alabama	12	1	-	-	12	1	11	33
Alaska	3	1	-	-	3	1	2	(D)
Arizona	3	(D)	-	-	3	(D)	8	143
California	96	1,077	-	-	96	1,077	131	1,571
Colorado	12	84	-	-	12	84	-	-
Connecticut	15	3	-	-	15	3	5	1
Delaware	14	4	-	-	14	4	7	15
Florida	28	(D)	-	-	28	(D)	9	22
Georgia	20	611	2	(D)	18	(D)	23	1,188
Hawaii	37	12	-	-	37	12	5	6
Idaho	4	1	-	-	4	1	-	-
Illinois	10	14	-	-	10	14	6	(D)
Indiana	17	12	-	-	17	12	11	27
Iowa	8	1	-	-	8	1	4	(Z)
Kansas	7	1	-	-	7	1	2	(D)
Kentucky	34	25	-	-	34	25	18	37
Louisiana	3	(D)	-	-	3	(D)	-	-
Maine	9	2	-	-	9	2	3	(Z)
Maryland	48	102	4	(D)	46	(D)	64	164
Massachusetts	22	37	-	-	22	37	23	35

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
KALE - Con.								
States - Con.								
Michigan	41	55	-	-	41	55	1	(D)
Minnesota	10	13	-	-	10	13	2	(D)
Mississippi	6	(D)	-	-	6	(D)	-	-
Missouri	3	(Z)	-	-	3	(Z)	-	-
Montana	7	1	-	-	7	1	3	(Z)
Nebraska	-	-	-	-	-	-	1	(D)
New Hampshire	17	2	-	-	17	2	8	2
New Jersey	30	355	2	(D)	29	(D)	50	349
New Mexico	10	2	-	-	10	2	4	(Z)
New York	46	57	-	-	46	57	17	20
North Carolina	64	363	-	-	64	363	52	128
Ohio	28	76	-	-	28	76	14	417
Oklahoma	19	7	-	-	19	7	-	-
Oregon	35	50	-	-	35	50	34	39
Pennsylvania	24	10	-	-	24	10	36	82
Rhode Island	5	1	-	-	5	1	-	-
South Carolina	10	(D)	-	-	10	(D)	13	178
South Dakota	1	(D)	-	-	1	(D)	-	-
Tennessee	7	(D)	1	(D)	6	5	10	57
Texas	13	214	-	-	13	214	14	124
Vermont	20	22	-	-	20	22	10	15
Virginia	41	71	1	(D)	41	(D)	40	128
Washington	56	57	1	(D)	55	(D)	35	18
West Virginia	16	3	-	-	16	3	2	(D)
Wisconsin	43	16	1	(D)	42	(D)	1	(D)
LETTUCE, ALL								
United States Total								
United States	3,839	313,036	(X)	(X)	3,839	313,036	2,903	306,849
States								
Alabama	20	12	(X)	(X)	20	12	9	4
Alaska	20	77	(X)	(X)	20	77	22	85
Arizona	84	66,820	(X)	(X)	84	66,820	103	72,022
Arkansas	21	11	(X)	(X)	21	11	14	6
California	753	227,515	(X)	(X)	753	227,515	659	219,701
Colorado	34	4,388	(X)	(X)	34	4,388	48	4,005
Connecticut	59	39	(X)	(X)	59	39	51	60
Delaware	17	6	(X)	(X)	17	6	2	(D)
Florida	75	7,239	(X)	(X)	75	7,239	41	(D)
Georgia	34	51	(X)	(X)	34	51	11	(D)
Hawaii	138	379	(X)	(X)	138	379	96	354
Idaho	25	5	(X)	(X)	25	5	14	6
Illinois	61	26	(X)	(X)	61	26	27	27
Indiana	40	15	(X)	(X)	40	15	37	40
Iowa	41	8	(X)	(X)	41	8	24	6
Kansas	18	3	(X)	(X)	18	3	16	4
Kentucky	71	23	(X)	(X)	71	23	39	14
Louisiana	20	10	(X)	(X)	20	10	3	1
Maine	116	54	(X)	(X)	116	54	99	51
Maryland	51	40	(X)	(X)	51	40	30	96
Massachusetts	124	223	(X)	(X)	124	223	106	192
Michigan	130	876	(X)	(X)	130	876	53	470
Minnesota	70	71	(X)	(X)	70	71	12	6
Mississippi	2	(D)	(X)	(X)	2	(D)	8	4
Missouri	60	17	(X)	(X)	60	17	43	21
Montana	54	22	(X)	(X)	54	22	6	4
Nebraska	14	2	(X)	(X)	14	2	9	2
Nevada	4	(D)	(X)	(X)	4	(D)	4	1
New Hampshire	78	35	(X)	(X)	78	35	45	25
New Jersey	111	1,488	(X)	(X)	111	1,488	136	2,270
New Mexico	43	607	(X)	(X)	43	607	33	688
New York	224	1,398	(X)	(X)	224	1,398	176	1,116
North Carolina	164	85	(X)	(X)	164	85	109	(D)
North Dakota	1	(D)	(X)	(X)	1	(D)	-	-
Ohio	109	435	(X)	(X)	109	435	79	718
Oklahoma	43	12	(X)	(X)	43	12	10	2
Oregon	134	345	(X)	(X)	134	345	169	360
Pennsylvania	136	104	(X)	(X)	136	104	115	113
Rhode Island	32	21	(X)	(X)	32	21	10	9
South Carolina	16	13	(X)	(X)	16	13	7	38
South Dakota	5	1	(X)	(X)	5	1	2	(D)
Tennessee	50	15	(X)	(X)	50	15	3	(D)
Texas	33	104	(X)	(X)	33	104	41	131
Utah	14	6	(X)	(X)	14	6	16	(D)
Vermont	95	91	(X)	(X)	95	91	88	144
Virginia	62	37	(X)	(X)	62	37	64	56
Washington	156	261	(X)	(X)	156	261	131	440
West Virginia	22	4	(X)	(X)	22	4	21	15
Wisconsin	149	39	(X)	(X)	149	39	62	31
Wyoming	6	2	(X)	(X)	6	2	-	-

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
LETTUCE, HEAD								
United States Total								
United States	1,158	166,838	(X)	(X)	1,158	166,838	830	188,700
States								
Alabama	11	9	(X)	(X)	11	9	3	(D)
Alaska	7	(D)	(X)	(X)	7	(D)	11	(D)
Arizona	64	39,187	(X)	(X)	64	39,187	68	50,856
Arkansas	4	1	(X)	(X)	4	1	1	(D)
California	414	118,676	(X)	(X)	414	118,676	310	130,389
Colorado	9	2,268	(X)	(X)	9	2,268	16	2,715
Connecticut	17	(D)	(X)	(X)	17	(D)	16	(D)
Delaware	-	-	(X)	(X)	-	-	1	(D)
Florida	10	(D)	(X)	(X)	10	(D)	2	(D)
Georgia	16	(D)	(X)	(X)	16	(D)	-	-
Hawaii	20	36	(X)	(X)	20	36	14	32
Idaho	1	(D)	(X)	(X)	1	(D)	1	(D)
Illinois	14	5	(X)	(X)	14	5	6	3
Indiana	3	1	(X)	(X)	3	1	4	1
Iowa	6	1	(X)	(X)	6	1	7	1
Kansas	6	1	(X)	(X)	6	1	7	1
Kentucky	15	4	(X)	(X)	15	4	10	4
Louisiana	8	4	(X)	(X)	8	4	1	(D)
Maine	19	5	(X)	(X)	19	5	15	8
Maryland	6	2	(X)	(X)	6	2	11	2
Massachusetts	46	50	(X)	(X)	46	50	27	21
Michigan	29	114	(X)	(X)	29	114	9	(D)
Minnesota	11	4	(X)	(X)	11	4	4	1
Missouri	11	3	(X)	(X)	11	3	6	1
Montana	7	7	(X)	(X)	7	7	-	-
Nebraska	-	-	(X)	(X)	-	-	1	(D)
Nevada	2	(D)	(X)	(X)	2	(D)	-	-
New Hampshire	19	7	(X)	(X)	19	7	8	5
New Jersey	34	(D)	(X)	(X)	34	(D)	36	(D)
New Mexico	11	582	(X)	(X)	11	582	17	622
New York	43	381	(X)	(X)	43	381	39	65
North Carolina	49	12	(X)	(X)	49	12	16	(D)
Ohio	16	3	(X)	(X)	16	3	17	4
Oklahoma	7	1	(X)	(X)	7	1	1	(D)
Oregon	28	15	(X)	(X)	28	15	30	8
Pennsylvania	31	14	(X)	(X)	31	14	32	37
Rhode Island	15	(D)	(X)	(X)	15	(D)	4	(D)
South Carolina	5	8	(X)	(X)	5	8	-	-
South Dakota	1	(D)	(X)	(X)	1	(D)	-	-
Tennessee	8	3	(X)	(X)	8	3	1	(D)
Texas	2	(D)	(X)	(X)	2	(D)	5	1
Utah	4	1	(X)	(X)	4	1	1	(D)
Vermont	38	10	(X)	(X)	38	10	15	13
Virginia	15	15	(X)	(X)	15	15	12	7
Washington	47	63	(X)	(X)	47	63	26	187
West Virginia	5	1	(X)	(X)	5	1	8	4
Wisconsin	24	4	(X)	(X)	24	4	11	6
LETTUCE, LEAF								
United States Total								
United States	2,891	58,861	(X)	(X)	2,891	58,861	2,153	58,324
States								
Alabama	8	(D)	(X)	(X)	8	(D)	4	(D)
Alaska	16	22	(X)	(X)	16	22	18	21
Arizona	45	10,472	(X)	(X)	45	10,472	54	7,901
Arkansas	14	9	(X)	(X)	14	9	13	(D)
California	520	44,068	(X)	(X)	520	44,068	427	45,939
Colorado	24	703	(X)	(X)	24	703	35	735
Connecticut	49	24	(X)	(X)	49	24	30	23
Delaware	17	6	(X)	(X)	17	6	2	(D)
Florida	63	287	(X)	(X)	63	287	35	164
Georgia	17	5	(X)	(X)	17	5	8	2
Hawaii	119	257	(X)	(X)	119	257	87	203
Idaho	21	(D)	(X)	(X)	21	(D)	13	(D)
Illinois	50	20	(X)	(X)	50	20	22	22
Indiana	34	14	(X)	(X)	34	14	33	38
Iowa	35	7	(X)	(X)	35	7	17	4
Kansas	15	2	(X)	(X)	15	2	9	2
Kentucky	57	13	(X)	(X)	57	13	31	9
Louisiana	18	6	(X)	(X)	18	6	3	(D)
Maine	95	46	(X)	(X)	95	46	85	35
Maryland	36	33	(X)	(X)	36	33	21	65
Massachusetts	99	129	(X)	(X)	99	129	85	143
Michigan	99	382	(X)	(X)	99	382	44	(D)
Minnesota	53	54	(X)	(X)	53	54	8	6
Mississippi	2	(D)	(X)	(X)	2	(D)	8	4
Missouri	40	10	(X)	(X)	40	10	34	14
Montana	48	14	(X)	(X)	48	14	6	4
Nebraska	11	1	(X)	(X)	11	1	9	(D)
Nevada	2	(D)	(X)	(X)	2	(D)	4	1
New Hampshire	66	25	(X)	(X)	66	25	36	18
New Jersey	58	344	(X)	(X)	58	344	85	645
New Mexico	29	8	(X)	(X)	29	8	16	66

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
LETTUCE, LEAF - Con.								
States - Con.								
New York	192	758	(X)	(X)	192	758	132	695
North Carolina	106	53	(X)	(X)	106	53	84	(D)
North Dakota	1	(D)	(X)	(X)	1	(D)	-	-
Ohio	85	354	(X)	(X)	85	354	54	483
Oklahoma	34	10	(X)	(X)	34	10	7	(D)
Oregon	110	222	(X)	(X)	110	222	143	286
Pennsylvania	109	83	(X)	(X)	109	83	82	66
Rhode Island	21	13	(X)	(X)	21	13	7	5
South Carolina	8	4	(X)	(X)	8	4	6	(D)
South Dakota	5	(D)	(X)	(X)	5	(D)	2	(D)
Tennessee	40	11	(X)	(X)	40	11	2	(D)
Texas	30	(D)	(X)	(X)	30	(D)	32	128
Utah	10	5	(X)	(X)	10	5	15	(D)
Vermont	78	72	(X)	(X)	78	72	78	118
Virginia	45	19	(X)	(X)	45	19	46	47
Washington	104	161	(X)	(X)	104	161	113	205
West Virginia	14	2	(X)	(X)	14	2	15	10
Wisconsin	133	32	(X)	(X)	133	32	53	23
Wyoming	6	2	(X)	(X)	6	2	-	-
LETTUCE, ROMAINE								
United States Total								
United States	1,057	87,337	(X)	(X)	1,057	87,337	709	59,825
States								
Alabama	1	(D)	(X)	(X)	1	(D)	2	(D)
Alaska	6	(D)	(X)	(X)	6	(D)	8	(D)
Arizona	41	17,161	(X)	(X)	41	17,161	39	13,265
Arkansas	4	1	(X)	(X)	4	1	-	-
California	414	64,771	(X)	(X)	414	64,771	243	43,373
Colorado	9	1,417	(X)	(X)	9	1,417	6	555
Connecticut	8	(D)	(X)	(X)	8	(D)	16	(D)
Florida	25	(D)	(X)	(X)	25	(D)	12	(D)
Georgia	5	(D)	(X)	(X)	5	(D)	3	(D)
Hawaii	40	86	(X)	(X)	40	86	28	118
Idaho	4	(D)	(X)	(X)	4	(D)	1	(D)
Illinois	7	1	(X)	(X)	7	1	5	2
Indiana	4	1	(X)	(X)	4	1	5	1
Iowa	4	(Z)	(X)	(X)	4	(Z)	3	1
Kansas	3	(Z)	(X)	(X)	3	(Z)	4	1
Kentucky	12	7	(X)	(X)	12	7	4	1
Louisiana	-	-	(X)	(X)	-	-	1	(D)
Maine	19	4	(X)	(X)	19	4	16	9
Maryland	12	4	(X)	(X)	12	4	8	29
Massachusetts	34	43	(X)	(X)	34	43	24	28
Michigan	37	380	(X)	(X)	37	380	8	(D)
Minnesota	18	13	(X)	(X)	18	13	-	-
Missouri	10	5	(X)	(X)	10	5	8	5
Montana	5	1	(X)	(X)	5	1	-	-
Nebraska	3	1	(X)	(X)	3	1	2	(D)
New Hampshire	11	4	(X)	(X)	11	4	5	3
New Jersey	50	(D)	(X)	(X)	50	(D)	56	(D)
New Mexico	6	17	(X)	(X)	6	17	-	-
New York	46	260	(X)	(X)	46	260	36	357
North Carolina	31	19	(X)	(X)	31	19	21	4
Ohio	25	78	(X)	(X)	25	78	17	231
Oklahoma	7	1	(X)	(X)	7	1	2	(D)
Oregon	21	109	(X)	(X)	21	109	37	66
Pennsylvania	26	7	(X)	(X)	26	7	21	10
Rhode Island	2	(D)	(X)	(X)	2	(D)	3	(D)
South Carolina	3	1	(X)	(X)	3	1	1	(D)
Tennessee	6	1	(X)	(X)	6	1	-	-
Texas	6	(D)	(X)	(X)	6	(D)	6	2
Utah	4	(Z)	(X)	(X)	4	(Z)	-	-
Vermont	24	9	(X)	(X)	24	9	16	13
Virginia	9	2	(X)	(X)	9	2	6	2
Washington	32	37	(X)	(X)	32	37	23	48
West Virginia	3	1	(X)	(X)	3	1	4	(Z)
Wisconsin	20	3	(X)	(X)	20	3	9	2
MUSTARD GREENS								
United States Total								
United States	871	8,323	32	1,310	848	7,013	871	13,917
States								
Alabama	32	17	3	1	29	16	22	45
Alaska	1	(D)	-	-	1	(D)	4	2
Arizona	8	277	-	-	8	277	4	122
Arkansas	18	592	3	(D)	15	(D)	27	426
California	87	1,902	-	-	87	1,902	110	5,996
Colorado	2	(D)	-	-	2	(D)	-	-
Connecticut	6	2	-	-	6	2	2	(D)
Delaware	-	-	-	-	-	-	4	2
Florida	90	161	-	-	90	161	96	271
Georgia	36	1,585	-	-	36	1,585	60	2,535

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
MUSTARD GREENS - Con.								
States - Con.								
Hawaii	13	2	-	-	13	2	15	(D)
Idaho	1	(D)	-	-	1	(D)	-	-
Illinois	8	32	-	-	8	32	14	422
Indiana	2	(D)	-	-	2	(D)	4	4
Iowa	3	1	-	-	3	1	3	1
Kansas	11	7	-	-	11	7	5	(D)
Kentucky	16	11	-	-	16	11	20	14
Louisiana	58	128	6	5	56	123	66	244
Maine	3	(Z)	-	-	3	(Z)	1	(D)
Maryland	12	9	-	-	12	9	15	62
Massachusetts	17	5	-	-	17	5	8	2
Michigan	29	308	-	-	29	308	18	219
Minnesota	4	(Z)	-	-	4	(Z)	1	(D)
Mississippi	33	149	1	(D)	32	(D)	38	235
Missouri	5	1	-	-	5	1	4	25
Nebraska	-	-	-	-	-	-	1	(D)
New Hampshire	9	2	-	-	9	2	4	(Z)
New Jersey	18	204	-	-	18	204	12	26
New Mexico	2	(D)	-	-	2	(D)	3	1
New York	24	36	-	-	24	36	11	66
North Carolina	70	335	1	(D)	69	(D)	75	795
Ohio	22	201	-	-	22	201	22	129
Oklahoma	23	623	6	535	18	88	12	517
Oregon	11	(D)	-	-	11	(D)	17	36
Pennsylvania	13	5	-	-	13	5	7	14
South Carolina	38	875	3	293	35	581	30	292
Tennessee	21	(D)	1	(D)	20	17	11	(D)
Texas	65	538	8	67	61	470	78	1,046
Utah	2	(D)	-	-	2	(D)	-	-
Vermont	3	4	-	-	3	4	2	(D)
Virginia	11	7	-	-	11	7	15	12
Washington	19	3	-	-	19	3	17	34
West Virginia	1	(D)	-	-	1	(D)	1	(D)
Wisconsin	24	8	-	-	24	8	12	25
OKRA								
United States Total								
United States	2,555	2,444	92	81	2,506	2,363	2,200	3,069
States								
Alabama	309	371	11	3	304	369	242	(D)
Arizona	15	4	-	-	15	4	23	10
Arkansas	101	46	11	2	91	44	66	63
California	108	254	-	-	108	254	145	172
Colorado	3	4	-	-	3	4	7	3
Connecticut	2	(D)	-	-	2	(D)	3	(D)
Delaware	2	(D)	-	-	2	(D)	3	5
Florida	138	494	7	4	138	490	146	548
Georgia	116	96	-	-	116	96	171	306
Hawaii	23	13	-	-	23	13	45	(D)
Idaho	4	1	-	-	4	1	1	(D)
Illinois	37	13	-	-	37	13	17	7
Indiana	25	9	-	-	25	9	17	4
Iowa	10	1	1	(D)	9	(D)	14	4
Kansas	45	12	-	-	45	12	24	12
Kentucky	77	20	-	-	77	20	42	12
Louisiana	99	111	4	4	99	107	110	201
Maine	2	(D)	-	-	2	(D)	3	(D)
Maryland	27	11	-	-	27	11	25	20
Massachusetts	7	1	1	(D)	7	(D)	4	(Z)
Michigan	32	15	-	-	32	15	29	16
Minnesota	12	16	2	(D)	12	(D)	-	-
Mississippi	103	94	5	(D)	99	(D)	81	55
Missouri	60	24	-	-	60	24	37	14
Nebraska	7	1	-	-	7	1	7	3
Nevada	1	(D)	-	-	1	(D)	1	(D)
New Hampshire	1	(D)	-	-	1	(D)	-	-
New Jersey	27	65	1	(D)	27	(D)	30	48
New Mexico	31	8	4	1	27	6	16	6
New York	12	4	-	-	12	4	6	1
North Carolina	285	130	16	11	272	120	180	118
Ohio	32	8	-	-	32	8	17	4
Oklahoma	133	42	4	1	129	42	129	162
Oregon	4	(D)	-	-	4	(D)	5	1
Pennsylvania	21	4	-	-	21	4	15	6
South Carolina	218	144	16	8	213	136	142	176
Tennessee	162	76	-	-	162	76	68	80
Texas	209	329	9	15	206	314	281	714
Vermont	3	1	-	-	3	1	1	(D)
Virginia	32	13	-	-	32	13	29	13
Washington	4	3	-	-	4	3	7	5
West Virginia	7	2	-	-	7	2	-	-
Wisconsin	9	2	-	-	9	2	11	4

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
ONIONS, DRY								
United States Total								
United States	4,249	166,484	335	40,199	4,047	126,285	3,746	164,375
States								
Alabama	16	3	-	-	16	3	8	3
Alaska	9	6	-	-	9	6	1	(D)
Arizona	65	1,035	3	500	62	535	24	1,468
Arkansas	21	6	1	(D)	20	(D)	12	26
California	380	43,255	86	19,357	312	23,898	461	38,797
Colorado	162	8,527	7	899	156	7,628	179	11,635
Connecticut	15	4	-	-	15	4	25	7
Delaware	1	(D)	-	-	1	(D)	-	-
Florida	22	24	-	-	22	24	19	11
Georgia	82	12,093	-	-	82	12,093	84	12,436
Hawaii	29	205	-	-	29	205	44	400
Idaho	76	9,236	28	1,889	64	7,346	127	9,827
Illinois	83	118	4	(Z)	79	118	59	197
Indiana	54	121	1	(D)	53	(D)	36	90
Iowa	53	79	2	(D)	51	(D)	52	58
Kansas	30	(D)	-	-	30	(D)	36	(D)
Kentucky	67	14	-	-	67	14	25	7
Louisiana	8	4	-	-	8	4	3	2
Maine	44	13	-	-	44	13	59	14
Maryland	28	8	2	(D)	26	(D)	16	3
Massachusetts	48	106	1	(D)	48	(D)	42	57
Michigan	193	4,592	4	70	192	4,522	136	4,409
Minnesota	348	305	4	(D)	344	(D)	90	346
Mississippi	6	2	1	(D)	5	(D)	2	(D)
Missouri	61	16	-	-	61	16	57	65
Montana	86	22	-	-	86	22	34	24
Nebraska	21	5	-	-	21	5	18	7
Nevada	13	(D)	2	(D)	11	(D)	20	3,442
New Hampshire	34	9	-	-	34	9	13	5
New Jersey	19	17	-	-	19	17	26	29
New Mexico	116	7,352	22	1,490	99	5,862	111	7,767
New York	234	9,571	23	371	222	9,200	232	11,516
North Carolina	63	158	-	-	63	158	24	(D)
North Dakota	20	(D)	3	(D)	18	(D)	12	(D)
Ohio	98	414	-	-	98	414	41	(D)
Oklahoma	66	23	4	(Z)	62	23	40	24
Oregon	328	23,780	60	8,045	300	15,736	393	21,242
Pennsylvania	138	107	-	-	138	107	109	60
Rhode Island	14	4	-	-	14	4	3	1
South Carolina	13	9	-	-	13	9	12	(D)
South Dakota	35	13	1	(D)	35	(D)	8	1
Tennessee	23	8	-	-	23	8	1	(D)
Texas	214	11,677	23	1,056	208	10,621	520	15,276
Utah	52	1,753	2	(D)	51	(D)	48	2,109
Vermont	72	19	4	(D)	70	(D)	44	18
Virginia	33	(D)	4	(D)	30	(D)	13	(D)
Washington	381	24,081	42	4,166	361	19,916	277	19,663
West Virginia	16	8	-	-	16	8	7	2
Wisconsin	246	2,163	1	(D)	246	(D)	143	2,009
Wyoming	13	2	-	-	13	2	-	-
ONIONS, GREEN								
United States Total								
United States	1,558	5,704	30	68	1,540	5,635	1,165	6,202
States								
Alabama	13	3	1	(D)	12	(D)	12	4
Alaska	4	3	-	-	4	3	6	3
Arizona	35	(D)	-	-	35	(D)	16	28
Arkansas	10	2	-	-	10	2	7	(D)
California	128	2,061	1	(D)	128	(D)	170	2,991
Colorado	4	(D)	-	-	4	(D)	7	25
Connecticut	20	5	1	(D)	19	(D)	10	5
Delaware	2	(D)	-	-	2	(D)	1	(D)
Florida	34	34	-	-	34	34	48	74
Georgia	10	391	-	-	10	391	28	197
Hawaii	56	149	-	-	56	149	63	130
Idaho	31	6	-	-	31	6	1	(D)
Illinois	29	27	-	-	29	27	22	67
Indiana	19	9	-	-	19	9	19	134
Iowa	25	6	-	-	25	6	27	12
Kansas	14	3	-	-	14	3	12	8
Kentucky	59	11	-	-	59	11	30	8
Louisiana	18	12	3	1	18	11	16	15
Maine	18	(D)	-	-	18	(D)	16	3
Maryland	15	3	-	-	15	3	13	3
Massachusetts	43	17	-	-	43	17	20	7
Michigan	52	87	-	-	52	87	23	288
Minnesota	24	67	-	-	24	67	27	91
Mississippi	9	14	-	-	9	14	11	3
Missouri	29	8	-	-	29	8	14	3
Montana	16	8	-	-	16	8	6	2
Nebraska	-	-	-	-	-	-	10	3
Nevada	-	-	-	-	-	-	1	(D)

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
ONIONS, GREEN - Con.								
States - Con.								
New Hampshire	13	(D)	-	-	13	(D)	9	3
New Jersey	21	231	-	-	21	231	29	195
New Mexico	26	9	-	-	26	9	6	1
New York	82	106	8	(D)	79	(D)	39	85
North Carolina	107	31	4	1	103	31	51	20
North Dakota	1	(D)	-	-	1	(D)	4	1
Ohio	66	268	1	(D)	65	(D)	39	212
Oklahoma	37	19	3	(D)	35	(D)	26	13
Oregon	29	(D)	-	-	29	(D)	51	199
Pennsylvania	79	29	-	-	79	29	62	29
Rhode Island	2	(D)	-	-	2	(D)	5	2
South Carolina	30	(D)	2	(D)	28	(D)	13	(D)
South Dakota	2	(D)	-	-	2	(D)	1	(D)
Tennessee	31	13	-	-	31	13	14	16
Texas	67	892	1	(D)	67	(D)	59	688
Utah	7	1	-	-	7	1	-	-
Vermont	30	5	-	-	30	5	12	3
Virginia	60	42	4	1	56	41	24	33
Washington	39	171	1	(D)	39	(D)	27	154
West Virginia	18	4	-	-	18	4	18	7
Wisconsin	92	20	-	-	92	20	40	41
Wyoming	2	(D)	-	-	2	(D)	-	-
PARSLEY								
United States Total								
United States	370	4,240	11	933	361	3,308	304	3,647
States								
Alabama	2	(D)	-	-	2	(D)	-	-
Alaska	1	(D)	-	-	1	(D)	-	-
Arizona	10	55	-	-	10	55	8	110
Arkansas	5	1	-	-	5	1	-	-
California	63	2,265	5	797	58	1,468	95	1,861
Colorado	2	(D)	-	-	2	(D)	-	-
Connecticut	6	2	1	(D)	5	(D)	4	(D)
Delaware	1	(D)	-	-	1	(D)	-	-
Florida	5	(D)	-	-	5	(D)	4	350
Hawaii	29	29	-	-	29	29	30	40
Illinois	5	1	-	-	5	1	8	(D)
Indiana	-	-	-	-	-	-	1	(D)
Iowa	3	(Z)	-	-	3	(Z)	3	(Z)
Kansas	1	(D)	-	-	1	(D)	-	-
Maine	7	1	-	-	7	1	11	2
Maryland	4	2	-	-	4	2	5	3
Massachusetts	18	5	-	-	18	5	4	(D)
Michigan	22	181	1	(D)	22	(D)	3	(D)
Minnesota	2	(D)	-	-	2	(D)	-	-
Nebraska	-	-	-	-	-	-	4	1
New Hampshire	-	-	-	-	-	-	4	(D)
New Jersey	55	717	1	(D)	55	(D)	57	(D)
New Mexico	-	-	-	-	-	-	1	(D)
New York	29	52	1	(D)	28	(D)	14	(D)
North Carolina	8	1	-	-	8	1	-	-
Ohio	21	291	1	(D)	20	(D)	8	254
Oregon	6	(D)	1	(D)	5	(D)	1	(D)
Pennsylvania	12	3	-	-	12	3	16	4
Rhode Island	4	(Z)	-	-	4	(Z)	-	-
South Carolina	1	(D)	-	-	1	(D)	-	-
Tennessee	2	(D)	-	-	2	(D)	-	-
Texas	13	443	-	-	13	443	12	(D)
Vermont	10	2	-	-	10	2	6	1
Virginia	1	(D)	-	-	1	(D)	5	5
Washington	6	1	-	-	6	1	-	-
Wisconsin	16	2	-	-	16	2	-	-
PEAS, CHINESE (SUGAR AND SNOW)								
United States Total								
United States	863	8,859	86	4,915	796	3,944	435	6,936
States								
Alabama	10	7	-	-	10	7	3	(D)
Alaska	2	(D)	-	-	2	(D)	-	-
Arizona	3	(Z)	-	-	3	(Z)	11	5
Arkansas	1	(D)	-	-	1	(D)	-	-
California	145	2,241	1	(D)	145	(D)	226	3,226
Colorado	3	(D)	-	-	3	(D)	-	-
Connecticut	8	(D)	-	-	8	(D)	-	-
Delaware	1	(D)	-	-	1	(D)	1	(D)
Florida	4	1	-	-	4	1	-	-
Georgia	-	-	-	-	-	-	2	(D)
Hawaii	6	1	-	-	6	1	7	2
Idaho	69	4,289	55	4,022	14	267	29	615
Illinois	20	8	-	-	20	8	-	-

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
PEAS, CHINESE (SUGAR AND SNOW) - Con.								
States - Con.								
Indiana	6	4	-	-	6	4	3	4
Iowa	14	8	-	-	14	8	-	-
Kansas	6	1	-	-	6	1	-	-
Kentucky	17	2	-	-	17	2	-	-
Maine	31	9	7	1	31	9	-	-
Maryland	13	8	2	(D)	13	(D)	1	(D)
Massachusetts	26	8	-	-	26	8	-	-
Michigan	23	10	-	-	23	10	-	-
Minnesota	21	68	1	(D)	20	(D)	2	(D)
Montana	9	1	-	-	9	1	-	-
Nebraska	4	1	-	-	4	1	-	-
New Hampshire	8	(D)	-	-	8	(D)	-	-
New Jersey	12	13	-	-	12	13	2	(D)
New Mexico	6	1	-	-	6	1	1	(D)
New York	75	312	6	(D)	73	(D)	1	(D)
North Carolina	22	31	-	-	22	31	-	-
North Dakota	2	(D)	-	-	2	(D)	-	-
Ohio	42	13	-	-	42	13	-	-
Oklahoma	3	(Z)	-	-	3	(Z)	-	-
Oregon	29	1,018	4	(D)	27	(D)	54	201
Pennsylvania	65	(D)	-	-	65	(D)	1	(D)
Rhode Island	1	(D)	-	-	1	(D)	-	-
South Carolina	5	2	-	-	5	2	3	6
South Dakota	2	(D)	-	-	2	(D)	-	-
Tennessee	7	2	-	-	7	2	-	-
Texas	3	(D)	-	-	3	(D)	3	(D)
Utah	1	(D)	-	-	1	(D)	-	-
Vermont	17	(D)	-	-	17	(D)	-	-
Virginia	14	6	3	1	14	6	1	(D)
Washington	35	327	6	318	29	9	79	2,455
West Virginia	5	1	-	-	5	1	-	-
Wisconsin	66	69	1	(D)	65	(D)	5	3
Wyoming	1	(D)	-	-	1	(D)	-	-
PEAS, GREEN (EXCLUDING SOUTHERN)								
United States Total								
United States	4,532	214,057	2,047	206,092	2,568	7,965	4,849	219,176
States								
Alabama	121	135	2	(D)	120	(D)	102	350
Alaska	17	22	-	-	17	22	13	26
Arizona	10	1	-	-	10	1	-	-
Arkansas	10	(D)	2	(D)	9	8	8	4
California	68	826	-	-	68	826	101	2,489
Colorado	60	102	-	-	60	102	7	35
Connecticut	27	59	-	-	27	59	21	85
Delaware	29	5,075	27	(D)	3	(D)	38	4,967
Florida	76	138	7	5	73	133	90	490
Georgia	83	731	-	-	83	731	98	792
Idaho	22	4	-	-	22	4	72	2,495
Illinois	143	9,509	121	9,395	23	114	152	7,397
Indiana	7	3	-	-	7	3	6	4
Iowa	47	1,342	22	1,291	25	51	46	1,140
Kansas	11	7	-	-	11	7	3	(Z)
Kentucky	31	7	1	(D)	31	(D)	13	4
Louisiana	15	14	-	-	15	14	20	55
Maine	90	103	-	-	90	103	107	103
Maryland	59	2,925	30	2,672	32	254	54	2,842
Massachusetts	56	50	-	-	56	50	56	107
Michigan	90	2,654	9	2,145	83	509	160	1,149
Minnesota	1,167	67,285	893	65,837	305	1,448	1,216	68,993
Mississippi	67	244	8	21	64	223	28	239
Missouri	9	(D)	-	-	9	(D)	16	3
Montana	49	14	-	-	49	14	39	18
Nebraska	3	(D)	-	-	3	(D)	10	4
Nevada	4	1	-	-	4	1	-	-
New Hampshire	37	(D)	-	-	37	(D)	33	27
New Jersey	61	1,541	15	(D)	46	(D)	84	2,638
New Mexico	19	7	2	(D)	19	(D)	12	5
New York	236	18,137	118	17,598	122	539	208	15,741
North Carolina	101	119	5	2	101	117	88	(D)
North Dakota	16	(D)	1	(D)	15	4	18	7
Ohio	47	19	2	(D)	47	(D)	38	32
Oklahoma	18	(D)	1	(D)	17	40	8	(D)
Oregon	188	21,895	54	20,802	137	1,093	248	23,561
Pennsylvania	80	125	2	(D)	78	(D)	139	776
Rhode Island	2	(D)	-	-	2	(D)	7	2
South Carolina	90	162	14	52	77	110	48	93
South Dakota	21	4	-	-	21	4	5	2
Tennessee	27	(D)	1	(D)	26	27	22	(D)
Texas	66	494	11	44	59	451	170	769
Utah	45	22	2	(D)	43	(D)	18	10
Vermont	61	32	-	-	61	32	63	35
Virginia	56	69	16	9	50	60	32	81
Washington	351	39,293	171	39,061	182	232	376	39,000

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
PEAS, GREEN (EXCLUDING SOUTHERN) - Con.								
States - Con.								
West Virginia	15	3	-	-	15	3	8	5
Wisconsin	618	37,405	510	37,315	108	91	747	39,181
Wyoming	6	1	-	-	6	1	1	(D)
PEAS, GREEN SOUTHERN (COWPEAS) - BLACKEYED, CROWDER, ETC.								
United States Total								
United States	3,061	27,089	334	15,386	2,859	11,703	2,372	28,867
States								
Alabama	371	1,580	28	36	362	1,545	293	1,744
Arizona	2	(D)	-	-	2	(D)	4	(D)
Arkansas	264	2,029	34	1,414	234	615	169	2,243
California	25	(D)	-	-	25	(D)	27	80
Delaware	6	279	5	(D)	1	(D)	1	(D)
Florida	250	1,628	-	-	250	1,628	187	1,425
Georgia	158	3,010	7	142	151	2,868	290	3,645
Illinois	1	(D)	-	-	1	(D)	-	-
Indiana	1	(D)	-	-	1	(D)	-	-
Kentucky	18	6	-	-	18	6	10	2
Louisiana	200	393	33	43	186	351	197	694
Maryland	9	4	-	-	9	4	1	(D)
Massachusetts	1	(D)	-	-	1	(D)	-	-
Minnesota	2	(D)	-	-	2	(D)	-	-
Mississippi	450	1,412	55	(D)	418	(D)	344	1,704
Missouri	69	2,211	14	2,187	55	24	39	2,216
New Jersey	-	-	-	-	-	-	1	(D)
New Mexico	70	(D)	4	(D)	66	23	4	(D)
New York	2	(D)	-	-	2	(D)	-	-
North Carolina	199	368	15	36	194	332	169	393
Ohio	2	(D)	-	-	2	(D)	-	-
Oklahoma	140	3,235	14	2,858	129	377	112	2,754
Pennsylvania	-	-	-	-	-	-	1	(D)
South Carolina	111	341	6	13	107	328	88	757
Tennessee	98	(D)	3	(D)	95	(D)	68	4,925
Texas	585	6,292	115	4,097	521	2,195	347	5,463
Virginia	25	28	1	(D)	25	(D)	20	40
West Virginia	2	(D)	-	-	2	(D)	-	-
PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)								
United States Total								
United States	9,572	62,363	315	11,872	9,379	50,492	8,484	58,998
States								
Alabama	101	57	3	1	98	56	68	107
Arizona	24	(D)	-	-	24	(D)	19	7
Arkansas	64	41	5	1	59	40	48	49
California	367	21,098	30	(D)	345	(D)	467	18,850
Colorado	47	170	-	-	47	170	48	271
Connecticut	290	465	12	26	284	438	229	422
Delaware	29	181	2	(D)	28	(D)	45	168
Florida	76	19,328	2	(D)	76	(D)	93	17,028
Georgia	94	4,207	-	-	94	4,207	91	4,364
Hawaii	18	(D)	-	-	18	(D)	14	(D)
Idaho	27	118	4	(D)	24	(D)	15	73
Illinois	312	445	10	6	308	439	217	450
Indiana	337	245	8	7	335	239	280	225
Iowa	194	118	9	25	191	93	193	106
Kansas	125	107	-	-	125	107	76	25
Kentucky	234	214	10	20	231	193	184	348
Louisiana	64	234	6	(D)	59	(D)	56	201
Maine	195	52	5	2	192	50	204	71
Maryland	131	142	7	1	129	141	271	246
Massachusetts	340	287	5	4	335	282	295	298
Michigan	700	1,577	14	203	689	1,374	318	1,539
Minnesota	121	234	3	4	119	230	141	268
Mississippi	32	36	1	(D)	31	(D)	26	72
Missouri	146	98	-	-	146	98	114	59
Montana	27	15	-	-	27	15	12	7
Nebraska	97	(D)	5	(D)	92	(D)	50	(D)
Nevada	3	(D)	-	-	3	(D)	3	1
New Hampshire	124	38	1	(D)	123	(D)	104	55
New Jersey	529	3,749	8	161	527	3,589	608	3,761
New Mexico	35	20	3	1	34	19	49	39
New York	861	1,139	38	36	839	1,103	793	1,256
North Carolina	304	2,421	24	20	290	2,401	182	2,501
North Dakota	5	2	-	-	5	2	6	2
Ohio	823	1,547	36	491	794	1,056	717	1,347
Oklahoma	75	(D)	3	(D)	72	(D)	60	(D)
Oregon	113	561	6	(D)	111	(D)	149	130
Pennsylvania	1,038	986	32	11	1,020	975	1,036	1,156
Rhode Island	75	83	1	(D)	75	(D)	38	116

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT) - Con.								
States - Con.								
South Carolina	71	497	3	1	68	496	27	441
South Dakota	11	1	-	-	11	1	11	7
Tennessee	144	183	-	-	144	183	64	178
Texas	103	97	3	(Z)	100	97	422	1,071
Utah	42	27	1	(D)	42	(D)	30	(D)
Vermont	132	46	6	(D)	126	(D)	95	65
Virginia	189	232	3	1	188	232	135	645
Washington	110	519	3	188	109	331	46	342
West Virginia	107	34	2	(D)	107	(D)	129	63
Wisconsin	486	396	1	(D)	485	(D)	206	284
PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)								
United States Total								
United States	6,124	37,372	466	23,278	5,780	14,093	4,748	42,666
States								
Alabama	97	(D)	8	8	90	(D)	72	87
Arizona	155	3,627	13	(D)	146	(D)	58	4,955
Arkansas	44	(D)	3	(D)	42	11	16	79
California	385	5,617	33	1,781	362	3,836	396	5,210
Colorado	72	372	1	(D)	71	(D)	71	882
Connecticut	144	127	5	(D)	141	(D)	95	109
Delaware	16	48	1	(D)	15	(D)	15	22
Florida	77	2,053	4	(D)	74	(D)	77	1,460
Georgia	62	907	-	-	62	907	55	1,412
Hawaii	18	14	-	-	18	14	19	23
Idaho	15	6	-	-	15	6	11	4
Illinois	198	125	9	4	194	121	100	102
Indiana	173	296	15	(D)	168	(D)	137	355
Iowa	137	65	11	4	129	61	104	56
Kansas	78	20	4	1	76	19	45	21
Kentucky	121	72	9	3	112	69	75	45
Louisiana	20	17	6	6	14	11	29	133
Maine	83	18	4	(Z)	80	17	71	15
Maryland	64	324	10	262	58	63	97	378
Massachusetts	186	173	7	(D)	179	(D)	113	221
Michigan	366	1,374	18	865	352	509	122	(D)
Minnesota	82	55	4	1	78	54	49	28
Mississippi	25	11	10	4	19	7	10	11
Missouri	82	28	2	(D)	82	(D)	43	26
Montana	15	4	-	-	15	4	11	(D)
Nebraska	58	22	7	(D)	53	(D)	35	12
Nevada	-	-	-	-	-	-	1	(D)
New Hampshire	50	9	1	(D)	49	(D)	36	8
New Jersey	268	761	2	(D)	267	(D)	269	914
New Mexico	330	10,684	115	9,075	244	1,608	282	16,569
New York	472	325	28	14	458	312	358	223
North Carolina	153	1,048	30	526	126	522	118	1,035
North Dakota	1	(D)	-	-	1	(D)	1	(D)
Ohio	463	742	32	462	437	280	351	1,046
Oklahoma	72	(D)	5	(D)	67	19	45	876
Oregon	76	(D)	1	(D)	75	46	109	216
Pennsylvania	500	233	22	4	483	228	398	202
Rhode Island	31	16	1	(D)	30	(D)	15	11
South Carolina	42	13	3	(Z)	39	13	26	79
South Dakota	7	2	-	-	7	2	3	2
Tennessee	65	41	-	-	65	41	44	71
Texas	177	6,018	29	4,756	150	1,262	459	4,350
Utah	25	29	1	(D)	25	(D)	18	28
Vermont	87	16	2	(D)	86	(D)	49	13
Virginia	95	161	1	(D)	95	(D)	56	214
Washington	100	55	4	3	97	52	59	115
West Virginia	66	23	2	(D)	66	(D)	60	35
Wisconsin	269	234	3	(D)	266	(D)	63	377
Wyoming	2	(D)	-	-	2	(D)	2	(D)
POTATOES (SEE TEXT)								
United States Total								
United States	15,014	1,131,963	1,739	599,604	13,855	532,359	9,408	1,266,087
States								
Alabama	267	1,082	11	(D)	263	(D)	126	2,742
Alaska	65	855	1	(D)	65	(D)	68	851
Arizona	123	3,972	1	(D)	122	(D)	22	7,679
Arkansas	168	76	7	2	161	74	43	36
California	224	37,858	22	8,554	212	29,305	269	48,217
Colorado	248	62,694	4	710	245	61,984	229	78,959
Connecticut	133	100	-	-	133	100	60	71
Delaware	21	2,402	2	(D)	19	(D)	11	3,897
Florida	181	26,526	37	18,285	146	8,241	106	35,386
Georgia	122	380	-	-	122	380	62	948
Hawaii	15	7	-	-	15	7	11	6

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
POTATOES (SEE TEXT) - Con.								
States - Con.								
Idaho	703	350,905	386	151,745	457	199,160	818	364,229
Illinois	253	6,244	16	5,261	241	983	84	6,825
Indiana	263	2,288	15	907	251	1,381	131	2,491
Iowa	230	646	6	465	226	181	117	1,005
Kansas	137	5,266	9	(D)	132	(D)	38	3,764
Kentucky	531	291	16	4	521	287	257	297
Louisiana	97	123	9	10	96	113	32	114
Maine	464	56,362	124	32,576	384	23,786	444	64,474
Maryland	236	2,964	27	2,674	218	290	139	3,038
Massachusetts	205	2,616	7	(D)	204	(D)	103	3,220
Michigan	600	42,267	66	30,373	558	11,894	395	45,840
Minnesota	478	49,935	62	34,906	427	15,029	284	58,107
Mississippi	178	166	24	65	168	102	54	69
Missouri	313	6,127	24	5,837	299	290	156	5,256
Montana	152	11,192	2	(D)	150	(D)	143	10,479
Nebraska	135	20,438	24	8,393	122	12,045	60	22,059
Nevada	24	7,491	4	(D)	22	(D)	14	7,607
New Hampshire	132	79	1	(D)	131	(D)	65	65
New Jersey	127	2,442	8	764	125	1,679	103	2,951
New Mexico	142	5,675	3	(D)	141	(D)	28	6,186
New York	860	18,911	76	8,117	818	10,794	530	22,094
North Carolina	1,123	14,760	89	7,634	1,058	7,125	504	19,500
North Dakota	152	91,855	68	67,733	100	24,122	216	105,367
Ohio	631	2,943	50	1,875	593	1,068	314	4,865
Oklahoma	215	307	8	2	207	305	67	434
Oregon	345	36,361	57	24,958	299	11,403	278	47,828
Pennsylvania	1,258	9,690	85	5,001	1,214	4,689	984	11,094
Rhode Island	30	542	2	(D)	30	(D)	15	525
South Carolina	226	154	6	2	222	152	77	305
South Dakota	45	854	3	820	42	34	22	967
Tennessee	398	304	1	(D)	398	(D)	192	423
Texas	330	17,129	38	12,100	304	5,029	250	18,504
Utah	113	464	15	6	111	458	92	749
Vermont	202	266	8	2	194	264	93	248
Virginia	596	5,408	62	673	556	4,735	302	5,774
Washington	618	157,499	196	128,631	462	28,868	408	159,317
West Virginia	277	275	6	5	271	270	182	186
Wisconsin	608	63,933	50	29,956	581	33,977	399	80,332
Wyoming	20	843	1	(D)	19	(D)	11	711
PUMPKINS								
United States Total								
United States	15,088	92,955	444	12,306	14,877	80,649	14,073	97,408
States								
Alabama	62	707	-	-	62	707	56	497
Alaska	8	1	-	-	8	1	4	(D)
Arizona	234	593	-	-	234	593	29	565
Arkansas	42	285	4	1	40	284	62	421
California	359	5,106	3	(Z)	359	5,105	407	6,384
Colorado	154	2,428	-	-	154	2,428	107	1,346
Connecticut	332	1,372	13	54	327	1,318	333	1,559
Delaware	36	493	-	-	36	493	66	599
Florida	35	149	-	-	35	149	18	36
Georgia	32	182	-	-	32	182	45	250
Hawaii	55	167	-	-	55	167	32	164
Idaho	74	233	-	-	74	233	43	196
Illinois	502	13,679	93	9,749	422	3,930	475	12,296
Indiana	454	3,246	11	15	450	3,231	495	4,242
Iowa	282	830	6	5	279	824	263	860
Kansas	135	1,008	-	-	135	1,008	102	705
Kentucky	393	1,081	4	8	393	1,073	348	1,524
Louisiana	8	38	-	-	8	38	30	48
Maine	372	806	11	11	364	795	335	684
Maryland	165	1,487	7	7	164	1,480	287	1,770
Massachusetts	503	2,037	14	(D)	499	(D)	510	2,723
Michigan	1,171	6,848	37	257	1,158	6,591	1,145	7,414
Minnesota	546	2,262	8	77	546	2,185	483	2,593
Mississippi	24	160	1	(D)	23	(D)	52	209
Missouri	240	1,430	11	(D)	233	(D)	301	1,697
Montana	80	109	-	-	80	109	49	100
Nebraska	118	1,440	9	6	112	1,434	82	791
Nevada	15	58	-	-	15	58	17	60
New Hampshire	225	633	2	(D)	225	(D)	200	719
New Jersey	530	2,523	-	-	530	2,523	628	3,094
New Mexico	139	4,030	2	(D)	139	(D)	43	3,225
New York	1,416	6,650	81	196	1,396	6,454	1,311	6,782
North Carolina	296	1,826	17	113	292	1,713	281	1,327
North Dakota	52	164	-	-	52	164	38	61
Ohio	1,091	5,092	28	147	1,076	4,945	1,088	5,564
Oklahoma	77	284	1	(D)	76	(D)	81	603
Oregon	346	2,031	11	1,034	339	998	240	1,782
Pennsylvania	1,690	7,717	33	79	1,680	7,638	1,576	7,402
Rhode Island	92	230	-	-	92	230	68	297
South Carolina	44	196	1	(D)	44	(D)	27	101
South Dakota	69	142	-	-	69	142	67	253
Tennessee	266	2,385	2	(D)	264	(D)	332	3,742

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
PUMPKINS - Con.								
States - Con.								
Texas	70	1,834	4	87	66	1,747	88	3,333
Utah	159	661	-	-	159	661	117	502
Vermont	259	420	6	(D)	259	(D)	211	547
Virginia	244	2,075	9	83	243	1,992	271	2,271
Washington	419	1,968	15	129	406	1,839	259	1,752
West Virginia	110	234	-	-	110	234	105	269
Wisconsin	1,055	3,600	-	-	1,055	3,600	861	4,023
Wyoming	8	28	-	-	8	28	5	(D)
RADISHES								
United States Total								
United States	818	14,599	18	264	805	14,335	626	17,056
States								
Alabama	9	17	-	-	9	17	7	1
Alaska	2	(D)	-	-	2	(D)	7	4
Arizona	15	(D)	-	-	15	(D)	4	(D)
Arkansas	4	(D)	3	(D)	2	(D)	1	(D)
California	76	1,705	-	-	76	1,705	92	3,411
Colorado	4	4	-	-	4	4	3	(D)
Connecticut	8	1	-	-	8	1	4	(D)
Delaware	7	5	-	-	7	5	2	(D)
Florida	25	6,279	-	-	25	6,279	16	5,464
Georgia	8	8	-	-	8	8	4	1
Hawaii	23	35	-	-	23	35	11	18
Idaho	3	1	-	-	3	1	4	1
Illinois	21	42	-	-	21	42	17	7
Indiana	5	2	-	-	5	2	10	236
Iowa	17	4	1	(D)	17	(D)	20	6
Kansas	17	8	-	-	17	8	5	1
Kentucky	10	2	-	-	10	2	6	(D)
Louisiana	1	(D)	-	-	1	(D)	-	-
Maine	3	(D)	-	-	3	(D)	13	2
Maryland	4	1	-	-	4	1	10	14
Massachusetts	24	(D)	-	-	24	(D)	20	43
Michigan	50	2,166	1	(D)	49	(D)	26	2,646
Minnesota	16	(D)	-	-	16	(D)	18	1,754
Missouri	8	1	-	-	8	1	2	(D)
Montana	28	5	-	-	28	5	8	2
Nebraska	14	30	-	-	14	30	10	19
Nevada	2	(D)	-	-	2	(D)	2	(D)
New Hampshire	14	3	-	-	14	3	7	(D)
New Jersey	27	232	-	-	27	232	23	192
New Mexico	21	10	-	-	21	10	8	1
New York	57	154	2	(D)	56	(D)	36	682
North Carolina	25	705	-	-	25	705	28	245
Ohio	20	999	3	(D)	19	(D)	14	1,231
Oklahoma	24	6	2	(D)	22	(D)	1	(D)
Oregon	31	648	3	210	28	438	32	396
Pennsylvania	34	11	-	-	34	11	41	12
Rhode Island	6	(D)	-	-	6	(D)	1	(D)
South Carolina	5	(D)	2	(D)	3	(D)	1	(D)
South Dakota	3	1	-	-	3	1	2	(D)
Tennessee	6	3	-	-	6	3	3	2
Texas	24	34	-	-	24	34	21	14
Utah	1	(D)	-	-	1	(D)	3	(D)
Vermont	11	2	-	-	11	2	11	2
Virginia	24	6	-	-	24	6	10	4
Washington	11	128	-	-	11	128	31	428
West Virginia	1	(D)	-	-	1	(D)	-	-
Wisconsin	68	33	1	(D)	67	(D)	31	19
Wyoming	1	(D)	-	-	1	(D)	-	-
RHUBARB								
United States Total								
United States	574	1,404	42	448	542	956	467	1,809
States								
Alaska	3	2	-	-	3	2	7	2
Arizona	2	(D)	-	-	2	(D)	2	(D)
California	17	4	-	-	17	4	19	(D)
Colorado	6	2	-	-	6	2	-	-
Connecticut	13	3	-	-	13	3	26	8
Florida	1	(D)	-	-	1	(D)	-	-
Georgia	-	-	-	-	-	-	3	20
Idaho	1	(D)	-	-	1	(D)	1	(D)
Illinois	13	8	-	-	13	8	13	4
Indiana	13	2	-	-	13	2	7	4
Iowa	22	5	3	(Z)	19	5	8	5
Kansas	15	12	-	-	15	12	9	3
Kentucky	2	(D)	-	-	2	(D)	6	2
Maine	15	3	1	(D)	15	(D)	19	3
Maryland	9	2	-	-	9	2	5	4
Massachusetts	25	26	-	-	25	26	17	7
Michigan	48	106	1	(D)	47	(D)	24	144

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
RHUBARB - Con.								
States - Con.								
Minnesota	42	79	4	5	40	74	7	6
Missouri	11	2	-	-	11	2	-	-
Montana	12	1	-	-	12	1	-	-
Nebraska	2	(D)	-	-	2	(D)	7	2
New Hampshire	11	(D)	1	(D)	10	(D)	8	(D)
New Jersey	7	7	-	-	7	7	11	12
New Mexico	1	(D)	-	-	1	(D)	-	-
New York	57	24	2	(D)	57	(D)	62	36
North Carolina	5	1	-	-	5	1	1	(D)
North Dakota	3	2	3	2	-	-	-	-
Ohio	29	20	2	(D)	29	(D)	26	45
Oklahoma	6	1	-	-	6	1	-	-
Oregon	31	616	6	222	28	394	46	(D)
Pennsylvania	31	9	2	(D)	29	(D)	38	6
Rhode Island	2	(D)	-	-	2	(D)	2	(D)
South Dakota	5	12	-	-	5	12	-	-
Vermont	14	7	1	(D)	13	(D)	8	2
Virginia	10	2	-	-	10	2	5	1
Washington	46	437	16	(D)	30	(D)	59	824
West Virginia	9	1	-	-	9	1	2	(D)
Wisconsin	35	6	-	-	35	6	19	9
SPINACH								
United States Total								
United States	1,202	44,071	112	14,226	1,121	29,846	1,109	49,859
States								
Alabama	1	(D)	-	-	1	(D)	7	1
Alaska	3	(D)	-	-	3	(D)	6	1
Arizona	19	3,639	-	-	19	3,639	29	4,099
Arkansas	11	3	-	-	11	3	5	95
California	174	25,843	28	6,999	158	18,844	232	28,017
Colorado	25	1,850	-	-	25	1,850	26	1,982
Connecticut	6	2	-	-	6	2	6	9
Delaware	5	(D)	3	(D)	2	(D)	5	675
Florida	17	30	3	10	15	20	13	23
Georgia	5	(D)	-	-	5	(D)	16	54
Hawaii	9	16	-	-	9	16	19	13
Idaho	15	2	-	-	15	2	3	(D)
Illinois	23	35	-	-	23	35	20	(D)
Indiana	13	1	-	-	13	1	13	(D)
Iowa	6	1	-	-	6	1	13	5
Kansas	14	5	-	-	14	5	8	9
Kentucky	11	(D)	-	-	11	(D)	4	1
Louisiana	4	(Z)	4	(Z)	-	-	2	(D)
Maine	22	5	-	-	22	5	23	10
Maryland	21	1,305	6	1,273	15	33	37	1,206
Massachusetts	42	15	1	(D)	42	(D)	14	7
Michigan	33	(D)	4	347	30	(D)	16	63
Minnesota	15	10	2	(D)	13	(D)	-	-
Mississippi	3	(Z)	-	-	3	(Z)	-	-
Missouri	31	5	-	-	31	5	16	9
Montana	22	5	-	-	22	5	-	-
Nebraska	5	5	-	-	5	5	6	3
Nevada	1	(D)	-	-	1	(D)	1	(D)
New Hampshire	15	4	-	-	15	4	12	13
New Jersey	72	2,737	21	1,248	56	1,489	83	3,442
New Mexico	22	10	4	3	18	7	13	254
New York	74	247	-	-	74	247	63	424
North Carolina	40	(D)	1	(D)	39	6	40	206
Ohio	17	7	1	(D)	16	(D)	26	109
Oklahoma	24	1,799	10	(D)	15	(D)	13	1,523
Oregon	32	521	1	(D)	31	(D)	44	285
Pennsylvania	56	34	-	-	56	34	62	588
Rhode Island	4	(Z)	-	-	4	(Z)	-	-
South Carolina	7	(D)	1	(D)	6	4	2	(D)
South Dakota	3	1	-	-	3	1	1	(D)
Tennessee	14	(D)	1	(D)	13	2	3	(D)
Texas	37	2,986	11	797	30	2,189	54	3,840
Utah	9	1	-	-	9	1	6	(D)
Vermont	49	21	5	(D)	49	(D)	37	23
Virginia	26	(D)	-	-	26	(D)	16	(D)
Washington	57	215	5	110	53	105	63	423
West Virginia	7	1	-	-	7	1	6	4
Wisconsin	78	18	-	-	78	18	24	14
Wyoming	3	1	-	-	3	1	1	(D)
SQUASH, ALL (SEE TEXT)								
United States Total								
United States	11,821	54,454	397	6,706	11,601	47,748	11,035	71,236
States								
Alabama	258	817	11	5	252	813	181	677
Alaska	9	12	-	-	9	(D)	26	(D)
Arizona	1,253	689	-	-	1,253	689	49	324

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
SQUASH, ALL (SEE TEXT) - Con.								
States - Con.								
Arkansas	119	193	18	38	103	156	76	404
California	706	5,535	15	326	697	5,210	830	10,302
Colorado	149	635	2	(D)	149	635	64	943
Connecticut	196	843	12	8	192	835	277	1,230
Delaware	35	69	-	-	35	69	50	125
Florida	188	7,349	4	(D)	184	(D)	406	9,692
Georgia	184	4,502	2	(D)	182	4,387	238	9,013
Hawaii	112	285	-	-	112	285	56	185
Idaho	49	37	-	-	49	37	30	175
Illinois	147	819	3	(D)	145	814	132	383
Indiana	141	284	5	23	140	261	108	470
Iowa	138	175	8	(D)	134	101	92	108
Kansas	63	51	-	-	63	51	25	50
Kentucky	239	179	3	(Z)	236	179	110	136
Louisiana	72	91	4	(D)	72	85	61	219
Maine	202	343	9	7	198	336	342	460
Maryland	163	480	4	(D)	161	333	281	907
Massachusetts	318	1,849	26	(D)	313	1,557	439	1,834
Michigan	582	7,513	46	2,529	550	4,984	802	7,341
Minnesota	476	931	12	60	470	871	387	908
Mississippi	100	132	14	(D)	91	83	68	246
Missouri	149	168	-	-	149	168	87	205
Montana	128	64	-	-	128	64	64	44
Nebraska	60	129	7	9	58	119	38	159
Nevada	15	25	1	(D)	15	25	11	29
New Hampshire	158	203	2	(D)	158	202	150	252
New Jersey	297	3,453	-	-	297	3,453	588	3,760
New Mexico	519	507	12	5	515	502	46	80
New York	742	3,896	43	630	719	3,265	1,098	4,226
North Carolina	503	2,864	31	253	482	2,611	351	2,864
North Dakota	27	34	-	-	27	34	31	29
Ohio	336	731	7	11	336	720	288	1,132
Oklahoma	125	96	2	(D)	123	73	87	359
Oregon	212	1,701	25	1,022	189	680	264	2,313
Pennsylvania	415	811	13	74	404	737	826	1,061
Rhode Island	56	172	1	(D)	56	153	50	218
South Carolina	217	1,048	9	204	208	844	112	1,589
South Dakota	66	97	-	-	66	97	51	138
Tennessee	200	449	1	(D)	200	372	97	1,256
Texas	288	1,627	14	204	284	1,424	355	1,807
Utah	169	265	3	(D)	167	250	33	80
Vermont	123	207	6	5	123	203	177	305
Virginia	234	408	12	15	231	393	160	872
Washington	244	646	10	(D)	237	613	223	1,022
West Virginia	79	34	-	-	79	34	91	53
Wisconsin	547	1,003	-	-	547	1,003	625	1,243
Wyoming	13	4	-	-	13	4	2	(D)
SQUASH, SUMMER (SEE TEXT)								
United States Total								
United States	9,170	34,094	229	2,933	9,029	31,160	(NA)	(NA)
States								
Alabama	250	808	10	(D)	245	(D)	(NA)	(NA)
Alaska	8	(D)	-	-	8	(D)	(NA)	(NA)
Arizona	1,185	642	-	-	1,185	642	(NA)	(NA)
Arkansas	117	191	18	38	101	153	(NA)	(NA)
California	580	3,523	12	257	574	3,266	(NA)	(NA)
Colorado	121	(D)	-	-	121	(D)	(NA)	(NA)
Connecticut	165	654	6	1	161	652	(NA)	(NA)
Delaware	34	(D)	-	-	34	(D)	(NA)	(NA)
Florida	162	5,512	4	(D)	158	(D)	(NA)	(NA)
Georgia	178	(D)	2	(D)	176	(D)	(NA)	(NA)
Hawaii	72	249	-	-	72	249	(NA)	(NA)
Idaho	32	10	-	-	32	10	(NA)	(NA)
Illinois	99	376	1	(D)	98	(D)	(NA)	(NA)
Indiana	91	98	1	(D)	90	(D)	(NA)	(NA)
Iowa	53	22	2	(D)	53	(D)	(NA)	(NA)
Kansas	50	27	-	-	50	27	(NA)	(NA)
Kentucky	206	140	3	(Z)	203	139	(NA)	(NA)
Louisiana	72	(D)	3	(D)	72	(D)	(NA)	(NA)
Maine	92	85	-	-	92	85	(NA)	(NA)
Maryland	151	400	4	(D)	148	(D)	(NA)	(NA)
Massachusetts	202	462	4	(D)	200	(D)	(NA)	(NA)
Michigan	342	2,886	15	662	330	2,224	(NA)	(NA)
Minnesota	309	325	2	(D)	308	(D)	(NA)	(NA)
Mississippi	97	109	12	(D)	90	(D)	(NA)	(NA)
Missouri	121	60	-	-	121	60	(NA)	(NA)
Montana	95	29	-	-	95	29	(NA)	(NA)
Nebraska	34	34	5	(D)	32	(D)	(NA)	(NA)
Nevada	15	(D)	-	-	15	(D)	(NA)	(NA)
New Hampshire	117	(D)	1	(D)	117	(D)	(NA)	(NA)
New Jersey	262	2,410	-	-	262	2,410	(NA)	(NA)
New Mexico	494	483	12	5	490	478	(NA)	(NA)
New York	447	1,008	20	40	437	968	(NA)	(NA)
North Carolina	465	2,731	27	(D)	446	(D)	(NA)	(NA)

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
SQUASH, SUMMER (SEE TEXT) - Con.								
States - Con.								
North Dakota	14	4	-	-	14	4	(NA)	(NA)
Ohio	231	432	5	9	231	423	(NA)	(NA)
Oklahoma	124	(D)	2	(D)	122	(D)	(NA)	(NA)
Oregon	144	746	11	380	134	366	(NA)	(NA)
Pennsylvania	284	488	7	37	278	451	(NA)	(NA)
Rhode Island	48	(D)	-	-	48	(D)	(NA)	(NA)
South Carolina	215	1,043	9	204	206	839	(NA)	(NA)
South Dakota	41	28	-	-	41	28	(NA)	(NA)
Tennessee	185	(D)	1	(D)	185	(D)	(NA)	(NA)
Texas	286	1,592	13	(D)	281	(D)	(NA)	(NA)
Utah	118	91	2	(D)	116	(D)	(NA)	(NA)
Vermont	82	65	-	-	82	65	(NA)	(NA)
Virginia	213	312	10	(D)	210	(D)	(NA)	(NA)
Washington	165	328	5	(D)	163	(D)	(NA)	(NA)
West Virginia	75	25	-	-	75	25	(NA)	(NA)
Wisconsin	218	180	-	-	218	180	(NA)	(NA)
Wyoming	9	1	-	-	9	1	(NA)	(NA)
SQUASH, WINTER (SEE TEXT)								
United States Total								
United States	4,798	20,360	193	3,773	4,654	16,587	(NA)	(NA)
States								
Alabama	15	10	1	(D)	14	(D)	(NA)	(NA)
Alaska	3	(D)	-	-	3	(D)	(NA)	(NA)
Arizona	79	47	-	-	79	47	(NA)	(NA)
Arkansas	6	3	-	-	6	3	(NA)	(NA)
California	252	2,012	3	69	249	1,944	(NA)	(NA)
Colorado	113	(D)	2	(D)	111	(D)	(NA)	(NA)
Connecticut	92	190	6	7	89	183	(NA)	(NA)
Delaware	4	(D)	-	-	4	(D)	(NA)	(NA)
Florida	42	1,837	1	(D)	41	(D)	(NA)	(NA)
Georgia	16	(D)	-	-	16	(D)	(NA)	(NA)
Hawaii	44	36	-	-	44	36	(NA)	(NA)
Idaho	32	27	-	-	32	27	(NA)	(NA)
Illinois	81	443	2	(D)	80	(D)	(NA)	(NA)
Indiana	66	187	5	(D)	65	(D)	(NA)	(NA)
Iowa	108	153	6	(D)	102	(D)	(NA)	(NA)
Kansas	17	25	-	-	17	25	(NA)	(NA)
Kentucky	70	40	-	-	70	40	(NA)	(NA)
Louisiana	3	(D)	1	(D)	2	(D)	(NA)	(NA)
Maine	160	258	9	7	151	251	(NA)	(NA)
Maryland	36	80	2	(D)	35	(D)	(NA)	(NA)
Massachusetts	241	1,387	22	(D)	231	(D)	(NA)	(NA)
Michigan	399	4,627	35	1,866	366	2,760	(NA)	(NA)
Minnesota	352	606	11	(D)	344	(D)	(NA)	(NA)
Mississippi	9	23	2	(D)	7	(D)	(NA)	(NA)
Missouri	55	108	-	-	55	108	(NA)	(NA)
Montana	81	34	-	-	81	34	(NA)	(NA)
Nebraska	33	95	2	(D)	31	(D)	(NA)	(NA)
Nevada	10	(D)	1	(D)	9	(D)	(NA)	(NA)
New Hampshire	112	(D)	2	(D)	112	(D)	(NA)	(NA)
New Jersey	83	1,043	-	-	83	1,043	(NA)	(NA)
New Mexico	46	24	-	-	46	24	(NA)	(NA)
New York	526	2,887	33	590	506	2,297	(NA)	(NA)
North Carolina	91	133	4	(D)	87	(D)	(NA)	(NA)
North Dakota	24	30	-	-	24	30	(NA)	(NA)
Ohio	172	299	3	2	172	297	(NA)	(NA)
Oklahoma	8	(D)	-	-	8	(D)	(NA)	(NA)
Oregon	119	956	15	642	105	314	(NA)	(NA)
Pennsylvania	210	323	6	37	205	286	(NA)	(NA)
Rhode Island	29	(D)	1	(D)	28	(D)	(NA)	(NA)
South Carolina	8	5	-	-	8	5	(NA)	(NA)
South Dakota	47	69	-	-	47	69	(NA)	(NA)
Tennessee	28	(D)	-	-	28	(D)	(NA)	(NA)
Texas	23	35	3	(D)	21	(D)	(NA)	(NA)
Utah	102	174	1	(D)	101	(D)	(NA)	(NA)
Vermont	96	143	6	5	91	138	(NA)	(NA)
Virginia	62	96	2	(D)	60	(D)	(NA)	(NA)
Washington	134	319	6	(D)	129	(D)	(NA)	(NA)
West Virginia	18	9	-	-	18	9	(NA)	(NA)
Wisconsin	433	823	-	-	433	823	(NA)	(NA)
Wyoming	8	3	-	-	8	3	(NA)	(NA)
SWEET CORN								
United States Total								
United States	28,241	622,946	3,670	361,886	25,409	261,060	22,473	692,819
States								
Alabama	674	1,204	37	39	656	1,164	685	2,956
Alaska	4	1	-	-	4	1	1	(D)
Arizona	2,172	4,813	-	-	2,172	4,813	50	1,670
Arkansas	242	1,342	24	(D)	220	(D)	137	1,910

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
SWEET CORN - Con.								
States - Con.								
California	330	24,866	-	-	330	24,866	433	28,969
Colorado	174	6,933	-	-	174	6,933	136	7,418
Connecticut	304	4,610	3	24	301	4,586	291	4,697
Delaware	79	9,067	35	5,661	49	3,406	78	10,470
Florida	385	39,622	16	12	374	39,610	340	38,933
Georgia	512	23,045	-	-	512	23,045	559	23,905
Hawaii	80	526	-	-	80	526	80	503
Idaho	260	11,904	143	10,991	119	913	203	10,783
Illinois	595	18,615	157	12,130	465	6,486	506	23,273
Indiana	624	4,304	51	(D)	603	(D)	559	5,569
Iowa	410	3,548	59	1,768	371	1,780	462	4,876
Kansas	165	792	1	(D)	165	(D)	140	684
Kentucky	1,065	2,304	79	65	1,025	2,238	724	2,010
Louisiana	199	423	28	52	181	372	209	438
Maine	284	1,915	5	3	280	1,912	279	1,970
Maryland	411	9,787	77	6,025	363	3,762	410	10,096
Massachusetts	372	5,248	-	-	372	5,248	376	5,680
Michigan	1,067	9,499	50	54	1,052	9,445	982	10,885
Minnesota	1,608	114,471	1,044	106,811	640	7,660	1,804	139,244
Mississippi	383	2,507	50	570	357	1,937	361	1,668
Missouri	561	3,065	53	30	530	3,035	369	1,633
Montana	108	170	-	-	108	170	81	234
Nebraska	132	839	12	7	123	832	140	1,844
Nevada	17	82	2	(D)	16	(D)	16	54
New Hampshire	187	1,745	1	(D)	186	(D)	158	1,743
New Jersey	456	7,677	5	546	454	7,131	508	11,799
New Mexico	1,155	3,016	41	24	1,148	2,991	69	379
New York	1,424	40,183	190	19,644	1,317	20,539	1,281	44,363
North Carolina	1,620	6,221	161	683	1,531	5,538	1,142	5,877
North Dakota	38	116	3	3	37	113	48	186
Ohio	1,467	13,180	127	443	1,413	12,738	1,292	12,854
Oklahoma	234	442	12	42	228	400	180	558
Oregon	520	27,825	154	23,158	382	4,668	694	36,760
Pennsylvania	2,342	17,219	141	2,351	2,289	14,868	2,101	17,340
Rhode Island	76	855	1	(D)	76	(D)	64	980
South Carolina	682	2,393	40	80	657	2,313	462	2,052
South Dakota	66	185	2	(D)	65	(D)	86	1,463
Tennessee	740	3,109	11	(D)	735	(D)	663	3,336
Texas	485	3,087	47	497	453	2,590	297	2,856
Utah	231	1,561	17	43	225	1,518	136	1,073
Vermont	235	1,105	7	(D)	229	(D)	194	951
Virginia	631	3,416	54	629	592	2,787	501	2,398
Washington	706	91,977	220	83,372	521	8,605	687	105,090
West Virginia	364	892	-	-	364	892	215	724
Wisconsin	1,350	91,218	510	83,644	850	7,573	1,278	97,647
Wyoming	15	27	-	-	15	27	6	(D)
SWEET POTATOES (SEE TEXT)								
United States Total								
United States	1,910	105,284	259	21,360	1,807	83,924	2,366	92,310
States								
Alabama	83	2,297	5	(D)	81	(D)	115	2,524
Arizona	1	(D)	-	-	1	(D)	-	-
Arkansas	53	3,125	7	369	48	2,757	50	1,164
California	92	13,644	17	1,789	87	11,856	133	10,007
Colorado	1	(D)	-	-	1	(D)	-	-
Connecticut	3	(D)	-	-	3	(D)	6	(D)
Delaware	10	10	-	-	10	10	4	(D)
Florida	31	2,859	8	(D)	27	(D)	38	3,105
Georgia	69	573	1	(D)	68	(D)	90	634
Hawaii	94	297	-	-	94	297	59	294
Illinois	21	19	-	-	21	19	36	40
Indiana	23	13	-	-	23	13	12	5
Iowa	19	8	-	-	19	8	18	8
Kansas	36	49	-	-	36	49	17	29
Kentucky	66	44	2	(D)	65	(D)	96	59
Louisiana	120	14,863	40	3,300	106	11,563	145	16,877
Maine	4	1	-	-	4	1	4	(D)
Maryland	61	107	9	27	57	80	66	164
Massachusetts	9	2	-	-	9	2	4	(D)
Michigan	22	27	-	-	22	27	-	-
Mississippi	122	21,027	43	4,163	109	16,865	156	13,492
Missouri	46	54	3	(D)	43	(D)	60	73
Nebraska	11	2	-	-	11	2	7	6
New Hampshire	-	-	-	-	-	-	3	1
New Jersey	60	1,068	-	-	60	1,068	92	1,208
New Mexico	2	(D)	-	-	2	(D)	1	(D)
New York	19	7	4	1	15	7	30	16
North Carolina	389	42,108	83	9,612	355	32,496	563	38,745
Ohio	33	12	3	(Z)	31	12	46	13
Oklahoma	29	13	3	(Z)	26	12	12	21
Oregon	1	(D)	-	-	1	(D)	-	-
Pennsylvania	54	38	-	-	54	38	81	34
Rhode Island	5	1	-	-	5	1	1	(D)
South Carolina	107	497	12	12	102	484	119	847

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
SWEET POTATOES (SEE TEXT) - Con.								
States - Con.								
South Dakota	2	(D)	-	-	2	(D)	-	-
Tennessee	57	167	-	-	57	167	64	279
Texas	45	2,006	11	577	45	1,429	86	2,192
Vermont	3	(D)	1	(D)	2	(D)	10	2
Virginia	83	330	7	8	81	322	133	456
Washington	3	(Z)	-	-	3	(Z)	1	(D)
West Virginia	7	1	-	-	7	1	8	2
Wisconsin	14	13	-	-	14	13	-	-
TOMATOES IN THE OPEN (SEE TEXT)								
United States Total								
United States	25,809	442,225	1,761	319,549	24,630	122,675	19,539	448,500
States								
Alabama	727	1,336	36	18	712	1,318	545	1,781
Alaska	1	(D)	-	-	1	(D)	1	(D)
Arizona	199	65	-	-	199	65	80	38
Arkansas	414	1,101	36	35	395	1,066	227	1,121
California	1,782	335,133	490	297,357	1,344	37,776	1,769	332,839
Colorado	201	322	-	-	201	322	130	297
Connecticut	435	609	15	17	425	591	347	477
Delaware	82	115	1	(D)	82	(D)	46	115
Florida	339	40,437	16	560	329	39,877	218	45,648
Georgia	378	4,611	-	-	378	4,611	353	5,779
Hawaii	124	677	-	-	124	677	72	664
Idaho	110	44	1	(D)	109	(D)	65	23
Illinois	525	857	28	118	516	740	334	964
Indiana	600	8,868	64	8,421	554	447	511	9,056
Iowa	346	168	16	5	338	164	288	205
Kansas	219	127	-	-	219	127	159	111
Kentucky	1,142	899	74	28	1,102	871	659	911
Louisiana	264	222	42	12	235	210	239	370
Maine	363	166	15	5	352	161	330	161
Maryland	468	769	32	109	455	660	393	811
Massachusetts	539	577	10	3	532	575	422	450
Michigan	1,155	5,490	75	2,995	1,120	2,494	831	6,041
Minnesota	542	1,568	19	(D)	529	(D)	376	344
Mississippi	426	431	43	(D)	399	(D)	279	305
Missouri	687	551	51	46	652	505	484	401
Montana	119	48	-	-	119	48	57	25
Nebraska	154	91	8	1	147	90	79	114
Nevada	21	16	1	(D)	20	(D)	25	39
New Hampshire	247	153	2	(D)	245	(D)	161	128
New Jersey	789	4,130	12	1,353	782	2,777	815	4,677
New Mexico	327	189	23	10	308	179	136	61
New York	1,407	2,876	95	509	1,368	2,367	1,212	2,402
North Carolina	1,429	3,726	107	55	1,365	3,671	851	2,608
North Dakota	20	15	-	-	20	15	29	(D)
Ohio	1,351	7,368	127	4,805	1,272	2,563	1,083	8,963
Oklahoma	458	229	19	5	444	224	271	226
Oregon	506	355	11	13	504	342	553	388
Pennsylvania	1,737	3,458	98	1,470	1,670	1,988	1,436	4,328
Rhode Island	111	124	1	(D)	111	(D)	70	91
South Carolina	580	3,134	23	166	567	2,968	357	3,080
South Dakota	63	32	3	(D)	63	(D)	44	37
Tennessee	806	4,021	4	1	803	4,020	362	4,327
Texas	833	1,487	65	146	797	1,341	976	1,536
Utah	224	166	9	3	217	163	127	177
Vermont	216	91	11	(D)	210	(D)	148	85
Virginia	772	4,462	65	35	731	4,427	559	5,314
Washington	409	318	13	4	403	313	301	367
West Virginia	371	188	-	-	371	188	192	146
Wisconsin	779	406	-	-	779	406	532	449
Wyoming	12	(D)	-	-	12	(D)	5	(D)
TURNIPS								
United States Total								
United States	914	3,632	39	582	890	3,050	837	5,293
States								
Alabama	50	44	8	2	48	42	31	25
Alaska	4	1	-	-	4	1	8	(D)
Arizona	12	2	-	-	12	2	1	(D)
Arkansas	18	14	1	(D)	17	(D)	6	26
California	44	246	-	-	44	246	90	891
Colorado	2	(D)	-	-	2	(D)	9	140
Connecticut	8	(D)	-	-	8	(D)	11	12
Delaware	3	1	-	-	3	1	8	6
Florida	15	27	-	-	15	27	18	37
Georgia	32	361	1	(D)	31	(D)	30	220
Hawaii	5	1	-	-	5	1	9	13
Idaho	-	-	-	-	-	-	1	(D)
Illinois	34	22	-	-	34	22	30	123

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
TURNIPS - Con.								
States - Con.								
Indiana	14	(D)	1	(D)	14	(D)	14	(D)
Iowa	9	1	-	-	9	1	5	1
Kansas	18	17	-	-	18	17	7	27
Kentucky	32	7	-	-	32	7	18	10
Louisiana	28	24	3	1	26	23	13	24
Maine	9	14	-	-	9	14	9	1
Maryland	25	14	3	1	23	13	35	40
Massachusetts	24	58	-	-	24	58	15	45
Michigan	33	822	3	(D)	30	(D)	26	588
Minnesota	3	(D)	-	-	3	(D)	2	(D)
Mississippi	20	55	3	(D)	18	(D)	14	23
Missouri	38	53	-	-	38	53	26	53
Montana	1	(D)	-	-	1	(D)	-	-
Nebraska	3	1	-	-	3	1	2	(D)
New Hampshire	6	(D)	-	-	6	(D)	3	(D)
New Jersey	24	208	-	-	24	208	29	251
New Mexico	13	4	-	-	13	4	9	2
New York	43	89	4	1	42	88	18	65
North Carolina	72	271	2	(D)	70	(D)	75	294
Ohio	30	57	2	(D)	29	(D)	25	87
Oklahoma	21	36	1	(D)	20	(D)	11	(D)
Oregon	17	330	1	(D)	16	(D)	17	526
Pennsylvania	52	43	1	(D)	52	(D)	69	76
Rhode Island	-	-	-	-	-	-	1	(D)
South Carolina	38	45	1	(D)	37	(D)	24	425
Tennessee	18	154	1	(D)	17	(D)	20	165
Texas	39	236	2	(D)	37	(D)	52	579
Vermont	2	(D)	-	-	2	(D)	9	5
Virginia	17	12	-	-	17	12	19	57
Washington	3	(D)	-	-	3	(D)	7	54
West Virginia	15	6	-	-	15	6	3	(Z)
Wisconsin	19	6	-	-	19	6	7	4
Wyoming	1	(D)	1	(D)	-	-	1	(D)
TURNIP GREENS								
United States Total								
United States	836	9,365	58	2,361	792	7,005	860	10,546
States								
Alabama	134	495	3	1	131	494	103	579
Alaska	1	(D)	-	-	1	(D)	2	(D)
Arizona	7	(D)	-	-	7	(D)	4	120
Arkansas	38	(D)	4	(D)	35	97	42	707
California	9	(D)	-	-	9	(D)	21	523
Connecticut	5	3	-	-	5	3	3	(D)
Delaware	2	(D)	-	-	2	(D)	2	(D)
Florida	42	55	-	-	42	55	61	73
Georgia	59	2,777	2	(D)	57	(D)	88	4,129
Illinois	9	49	-	-	9	49	11	(D)
Indiana	5	14	-	-	5	14	9	26
Iowa	1	(D)	-	-	1	(D)	2	(D)
Kansas	7	4	-	-	7	4	4	(D)
Kentucky	23	14	-	-	23	14	20	27
Louisiana	27	35	2	(D)	27	(D)	33	54
Maine	-	-	-	-	-	-	1	(D)
Maryland	20	66	5	(D)	16	(D)	17	43
Massachusetts	5	1	-	-	5	1	2	(D)
Michigan	25	158	-	-	25	158	12	154
Minnesota	-	-	-	-	-	-	1	(D)
Mississippi	64	331	8	(D)	58	(D)	58	132
Missouri	8	1	-	-	8	1	7	14
Nebraska	-	-	-	-	-	-	1	(D)
New Jersey	14	173	-	-	14	173	16	115
New Mexico	-	-	-	-	-	-	7	1
New York	20	16	-	-	20	16	13	56
North Carolina	83	579	10	(D)	76	(D)	89	460
Ohio	13	230	-	-	13	230	12	(D)
Oklahoma	24	(D)	9	(D)	15	7	13	261
Pennsylvania	4	1	-	-	4	1	11	16
South Carolina	48	1,824	7	609	42	1,214	46	791
Tennessee	53	(D)	1	(D)	52	93	53	1,274
Texas	54	683	7	(D)	51	(D)	64	359
Vermont	-	-	-	-	-	-	2	(D)
Virginia	27	13	-	-	27	13	25	65
Wisconsin	5	2	-	-	5	2	5	(D)
WATERCRESS								
United States Total								
United States	62	679	1	(D)	61	(D)	60	699
States								
Arizona	2	(D)	-	-	2	(D)	-	-
California	17	151	-	-	17	151	21	258
Florida	6	426	-	-	6	426	10	341

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
WATERCRESS - Con.								
States - Con.								
Georgia	1	(D)	-	-	1	(D)	3	2
Hawaii	15	21	-	-	15	21	19	33
Indiana	1	(D)	1	(D)	-	-	-	-
Maryland	2	(D)	-	-	2	(D)	-	-
Massachusetts	-	-	-	-	-	-	2	(D)
Michigan	1	(D)	-	-	1	(D)	-	-
Minnesota	3	1	-	-	3	1	-	-
Missouri	-	-	-	-	-	-	1	(D)
New York	4	8	-	-	4	8	-	-
North Carolina	3	2	-	-	3	2	-	-
Ohio	1	(D)	-	-	1	(D)	-	-
Oregon	-	-	-	-	-	-	1	(D)
Tennessee	3	2	-	-	3	2	-	-
Texas	-	-	-	-	-	-	1	(D)
Virginia	2	(D)	-	-	2	(D)	1	(D)
West Virginia	1	(D)	-	-	1	(D)	1	(D)
WATERMELONS								
United States Total								
United States	12,808	142,359	27	271	12,804	142,089	10,121	164,525
States								
Alabama	732	3,051	-	-	732	3,051	716	5,860
Arizona	1,450	6,295	-	-	1,450	6,295	68	5,541
Arkansas	271	2,059	2	(D)	271	(D)	191	2,267
California	276	10,977	-	-	276	10,977	349	12,899
Colorado	78	679	-	-	78	679	94	615
Connecticut	35	25	-	-	35	25	40	33
Delaware	86	2,769	-	-	86	2,769	83	2,024
Florida	401	20,418	-	-	401	20,418	464	23,239
Georgia	564	21,460	-	-	564	21,460	648	22,709
Hawaii	4	(D)	-	-	4	(D)	14	631
Idaho	29	25	-	-	29	25	19	61
Illinois	116	1,044	-	-	116	1,044	120	1,457
Indiana	228	6,582	-	-	228	6,582	269	5,976
Iowa	88	823	1	(D)	88	(D)	80	372
Kansas	88	363	-	-	88	363	77	343
Kentucky	554	641	-	-	554	641	383	450
Louisiana	222	1,294	-	-	222	1,294	226	1,785
Maine	15	6	-	-	15	6	15	7
Maryland	273	2,295	-	-	273	2,295	196	2,122
Massachusetts	40	29	-	-	40	29	23	14
Michigan	194	1,014	-	-	194	1,014	178	584
Minnesota	279	208	-	-	279	208	87	163
Mississippi	485	2,406	-	-	485	2,406	418	4,003
Missouri	318	3,479	-	-	318	3,479	285	4,993
Montana	31	10	-	-	31	10	8	(D)
Nebraska	58	376	-	-	58	376	69	814
Nevada	9	13	-	-	9	13	11	9
New Hampshire	14	6	-	-	14	6	18	8
New Jersey	179	769	-	-	179	769	188	647
New Mexico	400	1,813	10	7	397	1,805	98	1,992
New York	125	(D)	-	-	125	(D)	98	128
North Carolina	1,242	5,888	9	5	1,242	5,883	940	6,220
North Dakota	16	14	-	-	16	14	11	24
Ohio	213	256	-	-	213	256	208	354
Oklahoma	329	4,186	-	-	329	4,186	311	5,307
Oregon	65	908	-	-	65	908	62	830
Pennsylvania	413	647	-	-	413	647	414	554
Rhode Island	8	2	-	-	8	2	4	2
South Carolina	671	6,474	3	(D)	671	(D)	542	7,405
South Dakota	49	255	-	-	49	255	35	342
Tennessee	383	606	-	-	383	606	235	738
Texas	920	28,984	1	(D)	920	(D)	1,206	38,824
Utah	121	524	-	-	121	524	93	246
Vermont	30	6	-	-	30	6	14	6
Virginia	374	972	-	-	374	972	325	1,133
Washington	53	754	1	(D)	52	(D)	40	597
West Virginia	89	28	-	-	89	28	19	13
Wisconsin	185	198	-	-	185	198	128	187
Wyoming	5	3	-	-	5	3	1	(D)
VEGETABLES, OTHER (SEE TEXT)								
United States Total								
United States	6,846	47,563	381	1,683	6,668	45,880	2,982	31,819
States								
Alabama	135	276	9	6	129	270	44	745
Alaska	31	62	-	-	31	62	-	-
Arizona	41	(D)	-	-	41	(D)	14	1,884
Arkansas	11	29	1	(D)	11	(D)	6	13
California	540	21,031	40	515	519	20,515	404	10,429
Colorado	38	105	1	(D)	37	(D)	28	1,024
Connecticut	154	273	8	14	150	259	10	18

See footnote(s) at end of table.

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Table 30. **Vegetables, Potatoes, and Melons Harvested for Sale: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007						2002 harvested	
	Harvested		Harvested for processing		Harvested for fresh market			
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
VEGETABLES, OTHER (SEE TEXT) - Con.								
States - Con.								
Delaware	20	(D)	7	(D)	20	31	7	(D)
Florida	123	2,667	22	19	111	2,649	65	2,007
Georgia	68	784	-	-	68	784	38	873
Hawaii	406	966	-	-	406	966	161	454
Idaho	43	37	-	-	43	37	13	16
Illinois	108	249	9	16	99	234	75	2,072
Indiana	124	787	6	(D)	122	(D)	65	161
Iowa	113	231	11	27	107	204	41	42
Kansas	46	63	2	(D)	46	(D)	19	27
Kentucky	179	291	24	(D)	173	(D)	56	69
Louisiana	69	100	15	23	60	77	11	4
Maine	238	(D)	1	(D)	237	(D)	27	44
Maryland	58	297	1	(D)	58	(D)	63	394
Massachusetts	250	736	5	6	245	729	32	168
Michigan	268	2,032	18	89	262	1,943	107	(D)
Minnesota	154	232	4	2	153	230	43	906
Mississippi	85	532	12	35	80	497	30	111
Missouri	100	393	15	85	87	308	46	85
Montana	49	28	-	-	49	28	4	2
Nebraska	25	38	-	-	25	38	15	23
Nevada	3	2	-	-	3	2	1	(D)
New Hampshire	82	129	-	-	82	129	11	7
New Jersey	258	2,354	-	-	258	2,354	135	1,716
New Mexico	140	445	8	8	139	437	12	(D)
New York	320	1,889	29	49	315	1,839	153	718
North Carolina	241	774	20	79	235	695	114	1,505
North Dakota	7	4	-	-	7	4	-	-
Ohio	258	811	34	93	236	718	98	500
Oklahoma	50	42	-	-	50	42	12	64
Oregon	157	504	14	56	152	449	122	321
Pennsylvania	401	1,556	16	52	395	1,504	154	614
Rhode Island	71	219	-	-	71	219	9	22
South Carolina	113	728	5	(D)	111	(D)	25	(D)
South Dakota	8	6	-	-	8	6	8	19
Tennessee	82	157	-	-	82	157	440	571
Texas	117	1,355	12	21	110	1,334	10	745
Utah	59	41	3	1	59	40	18	18
Vermont	129	249	4	(Z)	126	248	16	22
Virginia	144	216	14	8	137	208	76	172
Washington	384	1,468	9	12	377	1,456	92	627
West Virginia	101	130	2	(D)	101	(D)	33	43
Wisconsin	244	687	-	-	244	687	19	(D)
Wyoming	1	(D)	-	-	1	(D)	-	-

[1] 2002 data do not include potatoes, sweet potatoes, or ginseng.

Table 31. **Land in Orchards: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007				2002			
	Total		Irrigated		Total		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
UNITED STATES TOTAL								
United States	115,935	5,039,476	61,189	3,981,316	113,649	5,330,439	64,907	4,374,125
STATES								
Alabama	1,897	22,122	238	1,926	1,852	28,009	182	2,399
Alaska	10	18	2	(D)	10	16	4	(D)
Arizona	1,527	37,200	1,259	37,022	1,504	63,180	1,504	63,180
Arkansas	666	13,932	147	1,432	565	14,487	137	1,827
California	39,484	2,826,291	32,908	2,728,176	38,693	2,871,626	34,566	2,828,788
Colorado	877	6,986	877	6,986	673	6,008	673	6,008
Connecticut	338	3,672	55	391	300	3,478	42	317
Delaware	32	524	13	(D)	25	672	12	(D)
Florida	8,993	677,403	5,789	597,775	10,115	894,955	7,106	824,984
Georgia	3,745	129,921	897	57,565	4,273	145,602	982	70,333
Hawaii	4,443	36,652	1,134	9,830	2,833	34,908	810	12,090
Idaho	485	7,682	404	7,556	442	7,172	344	6,831
Illinois	871	6,032	55	436	830	8,168	67	975
Indiana	546	3,843	45	342	613	5,354	47	268
Iowa	743	2,724	62	153	493	3,141	26	(D)
Kansas	432	7,162	63	322	476	7,042	76	522
Kentucky	1,040	3,861	117	364	839	4,380	80	379
Louisiana	1,050	18,201	149	1,816	1,022	15,778	192	2,105
Maine	374	3,015	37	101	415	4,037	62	358
Maryland	472	4,542	90	899	441	4,931	66	608
Massachusetts	458	5,416	86	766	384	5,426	79	698
Michigan	2,712	115,284	530	10,897	2,601	118,166	478	13,264
Minnesota	814	4,979	128	612	569	4,148	93	881
Mississippi	937	15,948	138	2,362	1,100	15,230	127	1,598
Missouri	1,345	22,447	214	2,428	1,267	21,755	150	2,491
Montana	389	1,491	288	1,173	386	1,740	296	1,399
Nebraska	339	1,500	140	456	231	1,080	87	282
Nevada	79	460	79	460	73	420	73	420
New Hampshire	263	2,285	34	185	204	2,658	34	222
New Jersey	718	10,537	177	6,407	721	12,155	156	6,437
New Mexico	2,783	43,859	2,450	40,082	2,824	43,182	2,761	42,597
New York	2,686	100,035	393	11,038	2,753	99,148	364	10,439
North Carolina	1,551	13,724	294	2,196	1,211	13,406	224	2,154
North Dakota	41	118	7	(D)	10	16	1	(D)
Ohio	1,462	10,367	115	639	1,654	13,144	192	922
Oklahoma	4,036	143,892	352	3,803	3,279	88,088	295	1,981
Oregon	4,004	99,614	1,660	49,575	4,109	96,243	1,893	53,695
Pennsylvania	2,686	46,560	286	3,897	2,370	50,287	288	5,561
Rhode Island	100	580	34	178	72	464	24	151
South Carolina	1,125	22,185	176	10,240	1,297	24,389	237	11,825
South Dakota	113	550	36	210	47	213	11	132
Tennessee	786	2,866	102	341	688	3,288	48	331
Texas	8,848	215,794	2,788	69,461	9,567	224,271	3,769	75,189
Utah	805	8,058	607	7,791	593	8,254	565	8,068
Vermont	310	3,547	36	344	261	3,552	37	303
Virginia	1,277	19,713	218	2,634	1,281	26,354	230	2,531
Washington	5,470	299,174	5,281	298,380	6,108	311,194	5,286	306,735
West Virginia	613	6,909	40	96	550	9,495	34	207
Wisconsin	1,135	9,730	138	1,055	1,009	9,683	82	1,178
Wyoming	25	73	21	67	16	48	15	(D)

Table 32. **Fruits and Nuts: 2007 and 2002**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
NONCITRUS, ALL (SEE TEXT)						
United States Total						
United States 2007	72,757	2,176,511	65,697	1,948,205	27,375	228,307
2002	67,113	2,322,905	57,021	2,045,359	31,087	277,547
States, 2007						
Alabama	703	3,917	563	3,248	293	668
Alaska	10	18	10	(D)	3	(D)
Arizona	1,005	5,029	883	3,970	219	1,059
Arkansas	393	2,384	322	2,000	164	384
California	24,910	1,312,994	23,669	1,190,005	7,817	122,989
Colorado	864	6,805	745	5,562	369	1,243
Connecticut	334	3,633	312	3,247	114	387
Delaware	32	524	30	477	22	48
Florida	2,344	13,460	2,090	11,659	756	1,801
Georgia	792	15,613	697	12,007	325	3,606
Hawaii	3,903	18,021	3,674	14,487	1,274	3,534
Idaho	471	7,632	402	6,869	169	763
Illinois	765	5,391	642	4,456	378	935
Indiana	455	3,344	392	2,763	221	582
Iowa	667	2,054	520	1,445	315	609
Kansas	245	935	201	692	122	242
Kentucky	931	2,751	683	2,012	455	739
Louisiana	212	624	187	523	76	101
Maine	372	2,994	337	2,658	162	336
Maryland	451	4,419	401	3,768	155	651
Massachusetts	450	5,400	409	4,928	189	472
Michigan	2,581	113,624	2,356	96,398	1,234	17,226
Minnesota	789	4,515	646	3,488	444	1,026
Mississippi	340	(D)	277	1,130	139	(D)
Missouri	854	6,462	674	4,978	395	1,485
Montana	389	1,486	363	1,181	147	305
Nebraska	301	1,112	226	767	166	345
Nevada	66	(D)	52	208	26	(D)
New Hampshire	261	2,278	226	2,092	111	186
New Jersey	692	10,419	632	9,290	244	1,129
New Mexico	1,093	(D)	1,010	3,301	324	(D)
New York	2,639	99,658	2,447	91,627	1,070	8,031
North Carolina	1,349	12,318	1,149	10,154	588	2,164
North Dakota	41	(D)	32	(D)	22	(D)
Ohio	1,395	9,681	1,245	8,342	551	1,339
Oklahoma	585	2,032	453	1,465	264	567
Oregon	3,171	64,125	2,927	55,260	1,231	8,865
Pennsylvania	2,613	46,131	2,265	41,358	1,117	4,772
Rhode Island	100	580	98	543	27	37
South Carolina	630	17,495	551	14,827	216	2,667
South Dakota	111	(D)	86	337	72	(D)
Tennessee	759	2,696	605	2,057	367	640
Texas	2,298	12,232	1,791	8,935	1,048	3,297
Utah	778	7,872	727	6,751	231	1,121
Vermont	305	3,480	265	2,921	164	559
Virginia	1,204	19,054	1,002	16,948	539	2,105
Washington	5,363	298,587	5,128	273,824	1,941	24,763
West Virginia	584	6,771	358	5,687	430	1,084
Wisconsin	1,132	9,719	918	7,436	654	2,283
Wyoming	25	73	19	53	15	20
APPLES						
United States Total						
United States 2007	25,591	398,770	21,716	360,195	9,740	38,575
2002	26,853	464,025	21,084	401,706	12,344	62,319
States, 2007						
Alabama	231	393	144	307	121	86
Alaska	10	15	10	(D)	2	(D)
Arizona	496	1,344	424	1,249	111	95
Arkansas	153	287	116	220	63	67
California	2,074	22,184	1,850	20,954	536	1,230
Colorado	468	1,938	387	1,719	159	219
Connecticut	248	2,421	228	2,191	66	231
Delaware	23	(D)	19	(D)	20	(D)
Florida	126	105	82	40	64	65
Georgia	286	795	212	601	114	195
Hawaii	9	(D)	8	3	6	(D)
Idaho	321	3,021	276	2,807	94	214
Illinois	444	2,416	367	1,979	199	437
Indiana	265	2,106	233	1,839	107	267
Iowa	364	1,085	294	920	128	165
Kansas	147	333	122	245	53	88
Kentucky	623	1,268	465	964	248	304
Louisiana	35	39	21	29	18	10
Maine	345	2,883	314	2,595	136	288
Maryland	252	2,330	230	2,064	66	267
Massachusetts	369	4,287	330	3,938	151	349
Michigan	1,772	44,189	1,588	39,553	746	4,635
Minnesota	569	3,645	478	2,950	277	695
Mississippi	80	145	44	100	44	45
Missouri	438	2,179	338	1,819	174	360
Montana	186	340	159	219	65	121
Nebraska	125	(D)	84	(D)	62	67

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
APPLES - Con.						
States, 2007 - Con.						
Nevada	35	138	24	94	18	44
New Hampshire	215	2,070	184	1,912	93	158
New Jersey	471	2,112	427	1,859	138	253
New Mexico	807	2,057	723	1,769	235	288
New York	1,350	49,966	1,188	44,916	643	5,050
North Carolina	673	7,583	548	6,803	277	780
North Dakota	21	45	9	33	13	12
Ohio	1,000	5,970	893	5,296	342	675
Oklahoma	178	131	118	92	79	39
Oregon	1,330	6,234	1,191	5,562	352	672
Pennsylvania	1,886	23,552	1,575	20,791	772	2,761
Rhode Island	73	384	69	354	20	30
South Carolina	205	566	143	482	84	84
South Dakota	60	362	42	238	38	125
Tennessee	543	1,330	415	1,062	227	268
Texas	437	441	256	278	237	163
Utah	457	1,637	427	1,416	101	221
Vermont	264	3,241	235	2,806	124	435
Virginia	626	13,774	462	12,619	285	1,155
Washington	3,052	165,215	2,912	152,334	979	12,880
West Virginia	494	5,104	272	4,424	346	680
Wisconsin	935	6,406	768	5,136	495	1,270
Wyoming	20	54	12	44	12	10
APRICOTS						
United States Total						
United States 2007	3,141	13,750	2,458	12,830	952	920
2002	2,698	18,191	2,015	16,478	1,008	1,713
States, 2007						
Alabama	10	2	1	(D)	9	(D)
Arizona	382	127	337	106	50	21
Arkansas	12	2	7	(D)	7	(D)
California	775	11,290	670	10,683	221	607
Colorado	128	98	104	85	31	13
Connecticut	7	3	7	3	-	-
Florida	7	(D)	4	1	3	(D)
Georgia	12	(D)	5	(D)	7	2
Idaho	98	90	82	88	18	2
Illinois	57	10	20	4	45	6
Indiana	21	13	9	7	15	6
Iowa	38	8	22	4	17	4
Kansas	29	8	17	4	12	4
Kentucky	27	5	16	(D)	13	(D)
Louisiana	4	(D)	-	-	4	(D)
Maine	4	(Z)	1	(D)	3	(D)
Maryland	26	10	24	9	7	1
Massachusetts	22	9	14	(D)	9	(D)
Michigan	122	107	96	91	40	17
Minnesota	35	10	26	6	11	4
Mississippi	9	1	5	(D)	4	(D)
Missouri	19	3	13	2	7	1
Montana	43	15	30	10	19	5
Nebraska	32	9	14	(D)	20	(D)
Nevada	17	12	10	11	9	1
New Hampshire	2	(D)	2	(D)	-	-
New Jersey	13	25	13	(D)	1	(D)
New Mexico	147	76	136	74	14	3
New York	71	98	58	(D)	27	(D)
North Carolina	11	1	3	(Z)	8	1
North Dakota	4	(D)	4	(D)	-	-
Ohio	21	11	11	(D)	11	(D)
Oklahoma	24	26	9	(D)	16	(D)
Oregon	69	54	55	50	18	4
Pennsylvania	125	68	96	56	35	12
Rhode Island	1	(D)	1	(D)	-	-
South Carolina	9	3	5	(D)	5	(D)
South Dakota	7	2	5	1	4	1
Tennessee	11	3	6	1	5	2
Texas	86	37	39	14	51	23
Utah	212	199	187	179	41	21
Vermont	1	(D)	1	(D)	-	-
Virginia	41	10	22	6	21	4
Washington	316	1,287	248	1,181	98	106
West Virginia	10	(D)	5	(D)	6	(D)
Wisconsin	22	7	18	(D)	8	(D)
Wyoming	2	(D)	-	-	2	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
AVOCADOS						
United States Total						
United States 2007	8,245	82,647	7,670	72,747	2,855	9,900
2002	6,251	75,570	5,680	66,430	2,388	9,140
States, 2007						
Arizona	1	(D)	-	-	1	(D)
California	6,230	74,767	5,906	65,453	2,322	9,314
Florida	951	6,861	894	6,523	200	338
Hawaii	1,047	974	858	735	326	240
Texas	16	(D)	12	36	6	(D)
BANANAS						
United States Total						
United States 2007	1,326	2,547	1,175	2,100	355	447
2002	765	1,975	628	1,683	231	293
States, 2007						
California	15	44	4	(D)	11	(D)
Florida	134	280	121	239	47	42
Hawaii	1,173	2,217	1,048	1,860	294	357
Texas	4	6	2	(D)	3	(D)
CHERRIES, SWEET						
United States Total						
United States 2007	8,051	100,705	6,687	84,040	2,980	16,665
2002	8,043	91,735	6,259	72,380	3,632	19,356
States, 2007						
Alabama	18	2	5	1	13	1
Alaska	1	(D)	1	(D)	-	-
Arizona	63	59	48	54	20	5
Arkansas	12	2	7	1	7	1
California	1,291	30,433	1,115	24,091	450	6,341
Colorado	139	297	118	216	28	81
Connecticut	28	12	25	(D)	3	(D)
Delaware	6	(D)	6	(D)	6	(D)
Florida	12	2	4	1	11	1
Georgia	26	10	10	7	17	4
Idaho	135	930	112	851	35	79
Illinois	81	18	42	8	50	10
Indiana	29	11	18	5	13	6
Iowa	51	12	35	6	20	7
Kansas	29	14	15	6	14	9
Kentucky	98	26	52	16	50	10
Louisiana	1	(D)	-	-	1	(D)
Maine	13	2	12	(D)	5	(D)
Maryland	81	107	69	88	23	20
Massachusetts	41	25	24	17	19	8
Michigan	683	9,295	593	8,167	267	1,128
Minnesota	17	5	8	1	10	4
Mississippi	6	1	2	(D)	4	(D)
Missouri	37	12	17	7	22	5
Montana	249	942	231	789	83	152
Nebraska	31	10	13	3	21	7
Nevada	17	8	12	7	9	1
New Hampshire	19	(D)	15	(D)	4	(D)
New Jersey	66	54	52	39	16	15
New Mexico	111	110	97	102	23	9
New York	301	819	263	713	99	107
North Carolina	71	25	42	15	32	11
North Dakota	5	1	4	(D)	1	(D)
Ohio	150	63	95	44	73	19
Oklahoma	17	8	10	2	7	6
Oregon	896	17,288	798	14,110	338	3,178
Pennsylvania	460	449	350	350	158	99
Rhode Island	1	(D)	1	(D)	-	-
South Carolina	26	11	19	8	12	3
South Dakota	3	(D)	1	(D)	3	(D)
Tennessee	59	22	36	14	25	7
Texas	17	4	9	1	8	3
Utah	185	621	158	551	51	69
Vermont	6	(D)	2	(D)	6	(D)
Virginia	128	58	59	23	76	35
Washington	2,160	38,811	1,992	33,633	742	5,179
West Virginia	98	31	39	14	65	17
Wisconsin	77	84	51	59	40	25

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
CHERRIES, TART						
United States Total						
United States 2007	3,028	49,561	2,309	37,412	1,264	12,149
2002	2,955	47,138	2,190	38,419	1,330	8,719
States, 2007						
Alabama	4	2	2	(D)	3	(D)
Alaska	1	(D)	1	(D)	1	(D)
Arizona	33	14	19	9	15	5
Arkansas	5	1	3	(Z)	4	1
California	38	19	28	13	14	7
Colorado	93	189	72	146	30	42
Connecticut	10	3	6	2	4	1
Florida	1	(D)	1	(D)	-	-
Georgia	16	3	12	2	4	1
Idaho	37	(D)	34	7	6	(D)
Illinois	73	19	44	13	32	7
Indiana	24	14	14	7	11	7
Iowa	70	17	48	11	24	6
Kansas	32	11	15	5	20	5
Kentucky	104	25	72	15	39	11
Louisiana	1	(D)	1	(D)	-	-
Maine	22	12	12	3	10	9
Maryland	69	52	58	38	12	14
Massachusetts	24	9	19	8	7	1
Michigan	704	37,799	636	28,095	358	9,704
Minnesota	59	20	38	9	25	11
Mississippi	2	(D)	-	-	2	(D)
Missouri	30	6	21	4	11	2
Montana	44	97	35	90	10	7
Nebraska	35	13	17	7	19	6
Nevada	7	2	3	(D)	6	(D)
New Hampshire	17	4	17	4	-	-
New Jersey	33	29	25	21	13	8
New Mexico	36	23	35	(D)	2	(D)
New York	201	2,041	169	1,612	89	429
North Carolina	47	10	31	6	17	4
North Dakota	4	1	2	(D)	4	(D)
Ohio	112	44	74	27	41	17
Oklahoma	17	4	7	(D)	11	(D)
Oregon	136	821	112	(D)	31	(D)
Pennsylvania	283	843	204	620	110	224
South Carolina	31	12	23	10	10	2
South Dakota	15	11	10	9	8	2
Tennessee	45	12	28	8	21	5
Texas	12	4	6	2	7	3
Utah	81	3,284	75	2,813	25	472
Vermont	16	8	9	4	8	4
Virginia	83	41	43	21	43	20
Washington	130	1,444	103	1,241	39	203
West Virginia	60	22	24	11	45	11
Wisconsin	127	2,567	101	1,837	69	730
Wyoming	4	(D)	-	-	4	(D)
COFFEE						
United States Total						
United States 2007	1,521	7,891	1,404	6,652	439	1,238
2002	1,202	7,986	1,123	6,568	375	1,418
States, 2007						
Hawaii	1,521	7,891	1,404	6,652	439	1,238
DATES						
United States Total						
United States 2007	168	7,669	140	(D)	92	(D)
2002	209	7,585	187	5,710	104	1,874
States, 2007						
Arizona	17	1,354	16	(D)	7	(D)
California	151	6,315	124	5,131	85	1,184
FIGS						
United States Total						
United States 2007	1,101	9,739	828	9,315	357	423
2002	812	14,274	627	13,772	258	502
States, 2007						
Alabama	93	38	75	24	26	14
Arizona	7	(D)	5	(D)	2	(D)
Arkansas	1	(D)	1	(D)	-	-
California	302	9,384	240	9,069	85	315
Florida	64	17	45	13	23	4
Georgia	95	34	76	28	26	7
Kentucky	11	1	6	1	5	1

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
FIGS - Con.						
States, 2007 - Con.						
Louisiana	49	31	38	21	23	9
Maryland	18	(D)	15	(D)	3	(D)
Mississippi	34	17	20	5	15	12
Nevada	1	(D)	1	(D)	-	-
New Mexico	4	(D)	2	(D)	2	(D)
North Carolina	57	13	45	9	14	4
Oklahoma	6	2	5	(D)	2	(D)
Oregon	88	20	66	13	25	7
South Carolina	74	22	64	20	14	2
Tennessee	19	2	14	2	5	1
Texas	122	(D)	76	(D)	63	41
Virginia	17	5	12	4	7	1
Washington	38	6	21	3	17	3
West Virginia	1	(D)	1	(D)	-	-
GRAPES						
United States Total						
United States 2007	25,892	1,051,407	22,947	973,638	8,509	77,769
2002	23,856	1,060,295	19,819	965,114	9,844	95,180
States, 2007						
Alabama	284	468	205	345	117	123
Arizona	127	400	101	229	44	171
Arkansas	149	747	117	680	52	67
California	11,623	868,330	11,115	809,281	3,020	59,048
Colorado	248	1,167	193	805	109	362
Connecticut	104	503	97	399	37	104
Delaware	9	33	7	(D)	3	(D)
Florida	329	916	295	767	109	149
Georgia	427	1,646	380	1,226	132	420
Hawaii	5	36	4	(D)	3	(D)
Idaho	174	1,490	139	1,193	58	297
Illinois	316	979	258	754	136	225
Indiana	130	487	103	402	67	86
Iowa	335	797	219	403	183	394
Kansas	97	299	80	210	50	89
Kentucky	385	618	279	407	171	211
Louisiana	69	93	57	71	21	22
Maine	57	35	41	21	21	15
Maryland	164	512	135	372	69	141
Massachusetts	76	182	65	163	30	19
Michigan	711	14,701	649	14,026	193	675
Minnesota	277	717	177	428	184	289
Mississippi	115	652	99	570	36	82
Missouri	393	1,773	305	1,342	167	430
Montana	34	44	27	38	15	6
Nebraska	216	611	158	403	125	208
Nevada	34	68	26	38	10	30
New Hampshire	47	48	40	39	13	8
New Jersey	192	1,043	170	878	62	165
New Mexico	227	1,103	201	930	71	173
New York	1,438	42,544	1,365	40,675	389	1,869
North Carolina	660	3,185	555	2,100	255	1,085
North Dakota	19	23	16	15	9	7
Ohio	422	1,842	362	1,554	133	288
Oklahoma	261	597	170	327	145	270
Oregon	1,380	18,192	1,239	14,754	493	3,438
Pennsylvania	812	14,113	664	13,570	263	543
Rhode Island	19	129	18	125	4	5
South Carolina	258	463	218	387	72	77
South Dakota	60	151	44	80	38	71
Tennessee	297	580	225	367	129	213
Texas	570	3,835	395	2,961	316	874
Utah	121	61	109	46	19	15
Vermont	45	167	29	66	35	102
Virginia	517	3,258	434	2,661	251	597
Washington	1,219	61,056	1,086	57,025	393	4,030
West Virginia	180	222	94	167	106	55
Wisconsin	253	479	175	278	148	200
Wyoming	7	16	7	(D)	3	(D)
GUAVAS						
United States Total						
United States 2007	487	883	441	799	106	84
2002	308	1,213	239	959	95	254
States, 2007						
California	127	270	112	247	26	23
Florida	103	193	89	(D)	34	(D)
Hawaii	253	417	236	389	45	28
Texas	4	3	4	(D)	1	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
KIWIFRUIT						
United States Total						
United States 2007	430	4,509	373	4,307	96	202
2002	474	4,984	425	4,594	129	390
States, 2007						
Alabama	5	4	3	(D)	3	(D)
California	265	4,375	244	4,201	54	175
Florida	5	(D)	5	(D)	-	-
Georgia	2	(D)	2	(D)	1	(D)
Kentucky	5	1	1	(D)	4	(D)
Maryland	1	(D)	1	(D)	-	-
Mississippi	1	(D)	-	-	1	(D)
North Carolina	11	2	7	2	4	(Z)
Oklahoma	3	15	3	15	-	-
Oregon	60	67	55	50	7	17
South Carolina	6	11	5	(D)	1	(D)
Tennessee	3	(Z)	3	(Z)	-	-
Virginia	10	1	6	1	4	1
Washington	47	30	37	24	12	6
West Virginia	6	1	1	(D)	5	(D)
MANGOES						
United States Total						
United States 2007	877	2,259	736	1,845	289	413
2002	623	1,938	464	1,600	267	338
States, 2007						
California	19	(D)	13	(D)	9	(D)
Florida	418	1,212	377	1,009	113	203
Hawaii	438	(D)	345	(D)	165	205
Texas	2	(D)	1	(D)	2	(D)
NECTARINES						
United States Total						
United States 2007	2,269	31,846	1,864	28,432	737	3,414
2002	2,261	45,645	1,845	39,159	901	6,486
States, 2007						
Alabama	29	50	21	41	12	10
Arizona	12	2	10	(D)	2	(D)
Arkansas	17	18	13	14	5	4
California	743	28,431	674	25,508	230	2,923
Colorado	48	40	39	(D)	15	(D)
Connecticut	19	24	16	21	5	3
Delaware	3	11	3	(D)	1	(D)
Florida	21	20	12	17	13	3
Georgia	25	34	15	26	16	7
Idaho	37	137	27	(D)	12	(D)
Illinois	28	19	22	17	11	2
Indiana	18	16	7	8	13	8
Iowa	9	3	9	(D)	1	(D)
Kansas	11	12	6	5	7	7
Kentucky	40	19	26	16	14	3
Louisiana	6	4	2	(D)	4	(D)
Maine	5	1	5	(D)	1	(D)
Maryland	41	55	39	53	7	2
Massachusetts	40	51	31	(D)	9	(D)
Michigan	104	139	89	125	32	14
Mississippi	5	1	1	(D)	4	(D)
Missouri	18	5	13	4	6	1
Nebraska	5	(D)	4	(D)	1	(D)
Nevada	4	(Z)	3	(D)	1	(D)
New Hampshire	5	(D)	5	(D)	-	-
New Jersey	49	358	47	296	13	62
New Mexico	13	3	11	2	4	1
New York	98	117	90	103	31	14
North Carolina	35	22	21	19	14	3
Ohio	44	23	29	17	18	6
Oklahoma	18	18	15	18	6	1
Oregon	70	60	54	50	20	10
Pennsylvania	205	421	175	384	51	37
Rhode Island	6	(D)	6	3	1	(D)
South Carolina	32	33	17	31	16	3
Tennessee	21	15	19	14	3	1
Texas	27	16	15	11	16	5
Utah	49	27	43	25	7	2
Vermont	1	(D)	1	(D)	-	-
Virginia	54	97	31	81	26	16
Washington	226	1,511	187	1,302	68	209
West Virginia	25	26	10	20	19	6
Wisconsin	3	(D)	1	(D)	2	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
OLIVES						
United States Total						
United States 2007	1,696	39,540	1,470	31,217	509	8,324
2002	1,549	39,591	1,352	36,526	503	3,064
States, 2007						
Arizona	5	(D)	4	(D)	2	(D)
California	1,660	38,142	1,455	29,986	483	8,156
Oregon	8	13	2	(D)	8	(D)
Texas	23	(D)	9	(D)	16	134
PAPAYAS						
United States Total						
United States 2007	586	2,501	520	1,926	188	575
2002	451	3,001	398	2,231	176	769
States, 2007						
California	1	(D)	1	(D)	-	-
Florida	68	(D)	60	(D)	8	(D)
Hawaii	515	2,318	457	1,788	179	530
Texas	2	(D)	2	(D)	1	(D)
PASSION FRUIT						
United States Total						
United States 2007	129	93	121	(D)	21	(D)
2002	66	53	43	32	25	21
States, 2007						
California	5	(D)	5	(D)	2	(D)
Florida	19	43	19	(D)	1	(D)
Hawaii	104	29	96	22	17	7
Texas	1	(D)	1	(D)	1	(D)
PEACHES, ALL (SEE TEXT)						
United States Total						
United States 2007	13,582	149,237	11,102	126,226	5,094	23,014
2002	14,526	184,495	11,062	156,327	6,544	28,168
States, 2007						
Alabama	293	2,593	213	2,259	137	334
Arizona	68	215	39	156	39	60
Arkansas	235	1,240	194	1,025	89	215
California	2,005	66,408	1,834	57,546	632	8,862
Colorado	381	2,663	328	2,220	152	443
Connecticut	142	445	133	408	32	36
Delaware	12	212	11	(D)	9	(D)
Florida	145	234	104	136	64	98
Georgia	279	12,356	232	9,602	114	2,754
Hawaii	5	(D)	5	(D)	-	-
Idaho	142	1,171	120	1,117	40	54
Illinois	296	1,799	220	1,603	126	196
Indiana	119	565	96	419	67	147
Iowa	114	36	86	23	41	13
Kansas	98	213	77	183	33	30
Kentucky	353	584	244	477	136	107
Louisiana	66	294	55	270	22	25
Maine	38	15	27	8	18	7
Maryland	182	1,079	165	928	36	151
Massachusetts	206	498	189	431	67	67
Michigan	682	5,400	583	4,605	252	797
Minnesota	14	5	10	3	4	2
Mississippi	121	372	78	290	66	83
Missouri	352	2,314	269	1,677	148	637
Montana	33	12	26	8	12	4
Nebraska	54	32	24	9	33	24
Nevada	25	35	16	24	15	11
New Hampshire	86	123	78	105	16	18
New Jersey	249	6,370	229	5,791	78	579
New Mexico	342	245	304	221	69	24
New York	439	2,157	380	1,871	171	286
North Carolina	384	1,317	319	1,097	137	221
Ohio	483	1,309	393	1,065	194	244
Oklahoma	268	929	203	739	107	191
Oregon	365	900	305	745	131	155
Pennsylvania	970	5,246	820	4,430	374	816
Rhode Island	38	45	36	(D)	4	(D)
South Carolina	283	16,160	241	13,706	101	2,454
South Dakota	5	1	4	1	3	1
Tennessee	253	613	202	505	87	108
Texas	1,382	5,851	1,032	4,257	588	1,595
Utah	397	1,792	357	1,505	113	287
Vermont	30	23	22	(D)	12	(D)
Virginia	363	1,484	264	1,283	153	201
Washington	482	2,698	390	2,302	170	396

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
PEACHES, ALL (SEE TEXT) - Con.						
States, 2007 - Con.						
West Virginia	256	1,165	116	914	179	250
Wisconsin	46	18	28	(D)	23	(D)
Wyoming	1	(D)	1	(D)	-	-
PEARS, ALL						
United States Total						
United States 2007	9,878	68,216	7,882	62,995	3,100	5,224
2002	10,809	80,801	7,884	71,483	4,506	9,318
States, 2007						
Alabama	202	144	135	87	78	57
Arizona	107	53	86	40	27	12
Arkansas	96	67	71	50	36	17
California	739	15,859	631	14,818	203	1,041
Colorado	152	353	124	294	33	58
Connecticut	96	177	85	167	19	10
Delaware	10	1	10	(D)	1	(D)
Florida	135	134	107	94	43	39
Georgia	187	450	136	383	77	67
Hawaii	3	1	-	-	3	1
Idaho	143	164	115	157	30	7
Illinois	130	85	77	48	60	37
Indiana	81	58	60	38	31	21
Iowa	121	39	82	27	46	12
Kansas	71	32	57	(D)	18	(D)
Kentucky	255	114	169	79	98	35
Louisiana	65	35	48	20	24	15
Maine	81	31	59	20	28	10
Maryland	110	150	92	101	24	49
Massachusetts	109	288	91	274	23	14
Michigan	437	1,045	343	919	137	129
Minnesota	66	21	46	16	20	6
Mississippi	116	77	76	48	55	28
Missouri	192	82	156	61	61	21
Montana	61	21	47	14	20	7
Nebraska	46	19	20	11	30	9
Nevada	22	10	14	(D)	13	(D)
New Hampshire	33	16	30	(D)	3	(D)
New Jersey	172	312	151	293	42	18
New Mexico	202	116	186	109	29	7
New York	375	1,510	316	1,322	120	188
North Carolina	174	66	124	47	66	19
Ohio	285	177	219	127	91	50
Oklahoma	119	212	88	184	48	28
Oregon	888	18,416	795	17,341	248	1,075
Pennsylvania	647	1,041	500	855	202	187
Rhode Island	12	8	12	(D)	1	(D)
South Carolina	144	92	109	67	46	25
South Dakota	14	7	5	(D)	12	(D)
Tennessee	184	83	132	56	66	27
Texas	548	545	378	398	215	147
Utah	189	147	161	125	43	22
Vermont	34	26	23	(D)	15	(D)
Virginia	197	171	115	127	94	43
Washington	1,530	25,514	1,430	23,924	364	1,590
West Virginia	147	148	63	107	96	42
Wisconsin	147	101	108	68	57	33
Wyoming	4	(Z)	-	-	4	(Z)
PERSIMMONS						
United States Total						
United States 2007	1,505	4,191	1,195	3,451	526	741
2002	1,425	4,855	1,161	3,602	518	1,252
States, 2007						
Alabama	49	32	39	21	17	11
Arizona	1	(D)	-	-	1	(D)
Arkansas	3	(D)	3	(D)	-	-
California	745	3,236	686	2,906	165	329
Connecticut	4	2	3	(D)	1	(D)
Florida	110	288	95	228	48	60
Georgia	65	138	42	30	34	108
Hawaii	52	55	43	49	15	6
Idaho	1	(D)	-	-	1	(D)
Illinois	17	9	12	6	5	2
Indiana	24	31	13	11	17	19
Iowa	13	2	6	(D)	7	(D)
Kansas	8	2	3	(D)	5	(D)
Kentucky	33	24	16	6	20	18
Louisiana	29	21	22	15	14	6
Maryland	14	7	10	5	8	2
Michigan	11	6	3	3	10	3
Mississippi	21	20	17	15	9	5
Missouri	15	11	10	6	6	5
Nebraska	1	(D)	1	(D)	-	-
New Jersey	7	2	5	(D)	3	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
PERSIMMONS - Con.						
States, 2007 - Con.						
New York	3	(D)	2	(D)	1	(D)
North Carolina	37	26	17	5	22	21
Ohio	6	2	4	(D)	2	(D)
Oklahoma	9	8	5	5	5	4
Oregon	29	7	21	4	8	3
Pennsylvania	27	11	16	7	13	4
South Carolina	29	16	20	12	13	4
Tennessee	7	3	5	1	4	2
Texas	84	204	50	88	46	116
Virginia	25	17	17	16	9	2
Washington	6	1	1	(D)	5	(D)
West Virginia	20	9	8	2	12	7
PLUOTS (SEE TEXT)						
United States Total						
United States 2007	308	4,332	258	3,843	97	489
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
States, 2007						
California	249	4,137	213	3,701	76	436
Idaho	5	11	3	11	4	(Z)
Oregon	9	5	4	1	5	4
Washington	45	179	38	130	12	50
PLUMS AND PRUNES						
United States Total						
United States 2007	6,987	109,319	5,623	97,901	2,294	11,420
2002	7,300	148,839	5,476	130,054	3,166	18,784
States, 2007						
Alabama	135	111	99	87	50	24
Alaska	1	(D)	1	(D)	-	-
Arizona	52	14	38	11	16	3
Arkansas	28	13	23	6	11	7
California	2,024	102,860	1,884	92,479	651	10,381
Colorado	118	57	97	41	31	17
Connecticut	45	37	42	36	7	1
Delaware	1	(D)	1	(D)	-	-
Florida	85	36	54	19	37	17
Georgia	92	88	62	63	38	25
Idaho	152	610	134	541	27	69
Illinois	82	24	61	17	31	7
Indiana	38	16	16	8	22	8
Iowa	59	16	42	10	19	6
Kansas	31	11	19	7	13	4
Kentucky	112	29	61	14	51	15
Louisiana	47	23	35	18	13	6
Maine	40	11	27	(D)	14	(D)
Maryland	63	38	55	36	10	3
Massachusetts	69	39	56	33	19	5
Michigan	313	907	238	789	116	118
Minnesota	79	55	66	42	25	13
Mississippi	35	22	25	16	13	6
Missouri	117	31	82	22	42	10
Montana	50	15	40	11	17	4
Nebraska	32	19	17	9	22	10
Nevada	15	5	10	(D)	9	(D)
New Hampshire	18	(D)	16	(D)	4	(D)
New Jersey	54	56	48	36	15	21
New Mexico	133	60	121	48	22	13
New York	208	367	178	310	62	57
North Carolina	90	32	63	20	31	12
North Dakota	7	4	4	(D)	5	(D)
Ohio	119	70	90	56	43	14
Oklahoma	93	64	63	49	43	15
Oregon	546	1,921	477	1,798	97	123
Pennsylvania	332	235	265	174	97	61
Rhode Island	5	(D)	5	(D)	-	-
South Carolina	87	69	65	56	29	13
South Dakota	9	7	8	6	4	1
Tennessee	75	32	60	26	19	6
Texas	491	423	312	283	221	139
Utah	107	33	84	24	28	10
Vermont	15	9	7	6	9	3
Virginia	98	49	51	25	50	23
Washington	418	699	329	589	118	111
West Virginia	70	36	30	21	46	15
Wisconsin	93	57	62	39	43	18
Wyoming	4	(D)	-	-	4	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
POMEGRANATES						
United States Total						
United States 2007	599	24,517	432	12,103	291	12,415
2002	369	9,535	312	4,044	109	5,491
States, 2007						
Arizona	11	24	5	(D)	6	(D)
California	517	24,458	379	12,057	256	12,401
Florida	6	(D)	4	(D)	3	(Z)
Georgia	8	4	6	(D)	2	(D)
Hawaii	4	(D)	2	(D)	2	(D)
Louisiana	6	2	5	(D)	1	(D)
Mississippi	1	(D)	-	-	1	(D)
Nevada	6	9	6	9	-	-
New Mexico	2	(D)	2	(D)	-	-
North Carolina	4	2	-	-	4	2
Texas	18	12	14	8	8	4
Utah	13	4	9	2	5	2
Washington	3	(Z)	-	-	3	(Z)
OTHER NONCITRUS FRUIT (SEE TEXT)						
United States Total						
United States 2007	4,866	10,383	4,312	8,278	971	2,105
2002	1,640	9,184	1,217	6,486	815	2,698
States, 2007						
Alabama	61	78	58	75	5	4
Arizona	549	275	491	232	68	43
Arkansas	3	7	1	(D)	3	(D)
California	701	(D)	661	(D)	81	(D)
Colorado	8	4	8	(D)	1	(D)
Connecticut	17	7	16	(D)	1	(D)
Delaware	4	(D)	4	(D)	-	-
Florida	756	2,933	602	2,230	284	703
Georgia	13	52	8	(D)	5	(D)
Hawaii	1,193	3,301	1,046	2,389	315	912
Idaho	2	(D)	1	(D)	1	(D)
Illinois	14	13	10	7	6	6
Indiana	38	28	31	21	7	7
Iowa	38	39	35	37	3	2
Kentucky	16	37	9	15	13	22
Louisiana	28	82	24	74	5	8
Maine	13	4	12	(D)	2	(D)
Maryland	32	74	30	(D)	2	(D)
Massachusetts	16	12	16	(D)	2	(D)
Michigan	41	37	27	25	17	12
Minnesota	40	37	34	34	9	3
Mississippi	55	91	46	85	13	6
Missouri	57	47	44	34	15	13
Montana	3	(Z)	3	(Z)	-	-
Nebraska	2	(D)	1	(D)	1	(D)
Nevada	8	11	8	11	-	-
New Hampshire	5	3	5	3	-	-
New Jersey	42	60	41	(D)	3	(D)
New Mexico	58	31	55	28	5	2
New York	42	(D)	37	(D)	5	(D)
North Carolina	45	33	42	31	3	2
North Dakota	9	32	4	2	7	29
Ohio	114	169	107	147	15	22
Oklahoma	31	18	31	18	-	-
Oregon	100	128	90	115	13	12
Pennsylvania	120	152	107	122	17	30
Rhode Island	6	5	6	5	-	-
South Carolina	33	37	30	(D)	3	(D)
South Dakota	2	(D)	1	(D)	1	(D)
Texas	190	427	180	391	22	36
Utah	92	67	91	66	3	1
Vermont	4	1	4	1	-	-
Virginia	79	90	77	82	7	8
Washington	173	137	166	(D)	7	(D)
West Virginia	8	(D)	7	6	1	(D)
Wisconsin	5	(D)	5	(D)	-	-
CITRUS FRUIT, ALL						
United States Total						
United States 2007	15,658	1,005,806	14,934	944,312	3,738	61,495
2002	17,727	1,279,324	16,750	1,198,212	4,675	81,112
States, 2007						
Alabama	40	109	37	73	10	36
Arizona	329	18,261	315	17,564	61	697
California	7,358	303,101	7,027	279,212	1,652	23,890
Florida	6,061	654,747	5,914	619,385	1,462	35,362
Georgia	6	6	5	(D)	3	(D)
Hawaii	884	893	727	675	296	218
Louisiana	210	936	175	642	103	294

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
CITRUS FRUIT, ALL - Con.						
States, 2007 - Con.						
Mississippi	14	(D)	10	(D)	5	(D)
New Mexico	2	(D)	-	-	2	(D)
South Carolina	4	6	2	(D)	2	(D)
Texas	750	27,701	722	26,711	142	990
GRAPEFRUIT						
United States Total						
United States 2007	2,923	102,578	2,751	96,675	519	5,903
2002	4,006	156,869	3,759	149,416	810	7,453
States, 2007						
Arizona	63	537	61	520	7	17
California	879	10,725	815	9,520	177	1,205
Florida	1,185	72,611	1,147	68,666	191	3,946
Hawaii	201	45	160	38	49	7
Louisiana	22	10	17	7	8	3
Texas	573	18,650	551	17,924	87	725
KUMQUATS						
United States Total						
United States 2007	154	183	129	164	38	19
2002	114	192	106	(D)	14	(D)
States, 2007						
California	94	133	82	126	17	8
Florida	38	46	36	36	7	9
Louisiana	16	3	5	(D)	13	(D)
Texas	6	1	6	(D)	1	(D)
LEMONS						
United States Total						
United States 2007	2,607	66,972	2,364	62,718	575	4,254
2002	2,142	80,898	1,969	73,275	540	7,622
States, 2007						
Arizona	172	12,891	165	12,369	32	522
California	1,880	53,232	1,735	49,563	410	3,670
Florida	60	621	48	607	13	14
Hawaii	406	127	345	99	89	28
Louisiana	35	8	20	5	18	3
Texas	54	93	51	76	13	17
LIMES						
United States Total						
United States 2007	862	1,251	756	1,135	192	116
2002	633	1,368	557	1,258	147	110
States, 2007						
Arizona	3	(D)	3	(D)	-	-
California	363	525	352	494	64	31
Florida	57	518	49	493	16	25
Hawaii	427	204	346	146	104	58
Louisiana	6	(D)	2	(D)	6	(D)
Texas	6	(D)	4	2	2	(D)
ORANGES, ALL (SEE TEXT)						
United States Total						
United States 2007	12,116	785,856	11,612	742,625	2,611	43,230
2002	14,288	987,743	13,515	925,635	3,581	62,108
States, 2007						
Alabama	7	6	7	6	-	-
Arizona	163	2,616	152	2,526	26	91
California	5,254	212,313	5,042	200,424	1,036	11,889
Florida	5,561	561,324	5,424	530,535	1,287	30,790
Hawaii	543	322	436	248	150	75
Louisiana	130	542	107	376	54	166
Texas	458	8,732	444	8,511	58	220

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
VALENCIA ORANGES						
United States Total						
United States 2007	6,537	354,288	6,295	335,131	1,160	19,157
2002	8,635	457,922	8,282	429,272	1,625	28,650
States, 2007						
Arizona	80	898	71	855	14	43
California	2,620	54,051	2,522	52,001	372	2,049
Florida	3,432	296,574	3,368	279,588	675	16,986
Hawaii	240	136	182	107	74	29
Louisiana	23	39	18	25	6	14
Texas	142	2,591	134	2,555	19	36
OTHER ORANGES (SEE TEXT)						
United States Total						
United States 2007	9,659	431,568	9,242	407,494	2,016	24,073
2002	11,786	529,821	11,135	496,362	2,677	33,459
States, 2007						
Alabama	7	6	7	6	-	-
Arizona	118	1,718	114	1,671	16	48
California	4,052	158,263	3,867	148,423	833	9,840
Florida	4,575	264,751	4,457	250,946	964	13,804
Hawaii	407	186	329	141	106	45
Louisiana	116	503	94	351	52	152
Texas	384	6,141	374	5,957	45	184
TANGELOS						
United States Total						
United States 2007	800	9,694	737	8,932	140	762
2002	961	14,382	906	13,641	187	740
States, 2007						
Arizona	65	1,669	62	(D)	10	(D)
California	253	4,517	239	3,998	50	519
Florida	266	3,430	262	3,269	24	161
Hawaii	209	75	171	59	51	16
Louisiana	5	(D)	1	(D)	5	(D)
Texas	2	(D)	2	(D)	-	-
TANGERINES						
United States Total						
United States 2007	1,976	36,965	1,756	30,072	479	6,893
2002	1,731	31,419	1,590	29,040	366	2,379
States, 2007						
Arizona	36	544	35	(D)	4	(D)
California	706	21,528	595	15,030	234	6,499
Florida	839	14,604	804	14,243	130	361
Hawaii	300	87	236	69	89	18
Louisiana	36	28	31	(D)	13	(D)
Texas	59	174	55	165	9	9
TEMPLES						
United States Total						
United States 2007	116	1,211	114	1,198	12	13
2002	345	3,678	344	(D)	16	(D)
States, 2007						
Florida	116	1,211	114	1,198	12	13
OTHER CITRUS FRUIT (SEE TEXT)						
United States Total						
United States 2007	407	1,097	359	792	134	305
2002	461	2,624	360	2,046	175	579
States, 2007						
Alabama	33	104	30	68	10	36
Arizona	1	(D)	1	(D)	-	-
California	40	127	35	57	15	70
Florida	151	382	144	339	31	42
Georgia	6	6	5	(D)	3	(D)
Hawaii	46	33	38	16	10	16
Louisiana	81	342	66	(D)	43	(D)
Mississippi	14	(D)	10	(D)	5	(D)
New Mexico	2	(D)	-	-	2	(D)
South Carolina	4	6	2	(D)	2	(D)
Texas	29	(D)	28	(D)	13	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
NUTS, ALL (SEE TEXT)						
United States Total						
United States 2007	39,480	1,857,179	34,776	1,553,492	13,268	303,687
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
States, 2007						
Alabama	1,364	18,096	1,281	16,085	327	2,011
Arizona	258	13,910	222	13,442	80	467
Arkansas	329	11,548	266	8,835	116	2,713
California	12,639	1,210,203	11,494	990,830	4,892	219,374
Colorado	34	182	26	147	11	35
Connecticut	21	38	18	34	3	4
Florida	1,085	9,196	911	7,147	384	2,050
Georgia	3,227	114,302	2,982	102,609	808	11,693
Hawaii	1,063	17,743	985	16,722	193	1,021
Idaho	70	51	51	19	23	32
Illinois	174	642	88	265	122	377
Indiana	129	498	62	183	89	315
Iowa	133	670	82	236	80	434
Kansas	221	6,228	166	5,299	97	929
Kentucky	227	1,110	126	594	143	516
Louisiana	783	16,641	670	13,624	320	3,017
Maine	20	21	14	7	12	14
Maryland	74	122	58	81	26	41
Massachusetts	26	16	17	13	11	3
Michigan	281	1,660	200	887	154	773
Minnesota	71	465	41	150	43	315
Mississippi	697	14,500	600	11,385	252	3,115
Missouri	626	15,985	441	12,653	291	3,332
Montana	18	5	14	4	6	1
Nebraska	72	388	46	162	44	226
Nevada	28	(D)	20	(D)	10	(D)
New Hampshire	8	8	5	1	7	7
New Jersey	59	118	44	83	26	36
New Mexico	1,804	40,035	1,722	36,264	331	3,771
New York	135	377	91	197	63	181
North Carolina	374	1,406	271	904	174	502
North Dakota	1	(D)	1	(D)	-	-
Ohio	164	688	125	387	64	301
Oklahoma	3,613	141,860	3,390	124,676	1,020	17,184
Oregon	1,214	35,490	1,127	32,996	295	2,493
Pennsylvania	287	429	191	238	140	191
South Carolina	660	4,683	547	3,855	187	829
South Dakota	4	(D)	2	(D)	4	(D)
Tennessee	81	170	67	120	16	50
Texas	6,682	175,862	5,796	151,171	2,070	24,692
Utah	87	187	73	164	29	23
Vermont	17	68	7	2	10	66
Virginia	207	661	147	406	102	254
Washington	308	590	230	400	122	190
West Virginia	97	138	53	43	67	96
Wisconsin	8	12	6	8	4	4
ALMONDS						
United States Total						
United States 2007	6,700	790,245	5,956	649,953	2,820	140,292
2002	6,482	696,635	6,004	625,616	2,434	71,019
States, 2007						
Alabama	6	1	1	(D)	5	(D)
Arizona	16	6	6	(D)	11	(D)
California	6,474	790,161	5,821	649,892	2,721	140,269
Colorado	11	(D)	7	3	4	(D)
Florida	1	(D)	-	-	1	(D)
Georgia	9	5	5	(D)	4	(D)
Kentucky	12	4	6	1	6	3
Louisiana	1	(D)	1	(D)	-	-
Maryland	2	(D)	1	(D)	1	(D)
Massachusetts	3	(Z)	3	(Z)	-	-
Michigan	3	(D)	1	(D)	2	(D)
Missouri	6	1	2	(D)	4	(D)
Nevada	4	(D)	1	(D)	3	(Z)
New Jersey	1	(D)	-	-	1	(D)
New Mexico	15	6	12	(D)	4	(D)
North Carolina	15	13	7	8	10	5
Ohio	1	(D)	1	(D)	-	-
Oklahoma	7	(D)	4	(D)	3	(D)
Oregon	31	6	21	3	12	3
South Carolina	4	(D)	2	(D)	2	(D)
Tennessee	3	1	3	1	-	-
Texas	12	2	7	1	5	1
Utah	30	11	25	10	6	1
Virginia	20	8	13	7	8	1
Washington	10	1	5	1	5	1
West Virginia	3	(D)	1	(D)	2	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
CHESTNUTS (SEE TEXT)						
United States Total						
United States 2007	1,200	3,335	845	2,072	538	1,262
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
States, 2007						
Alabama	34	26	25	18	11	9
California	76	334	62	(D)	31	(D)
Connecticut	14	35	11	31	3	4
Florida	81	283	63	203	28	80
Georgia	29	36	19	15	13	21
Hawaii	1	(D)	-	-	1	(D)
Idaho	6	(D)	6	6	1	(D)
Illinois	26	51	13	4	18	47
Indiana	8	16	5	(D)	3	(D)
Iowa	32	122	16	48	22	73
Kansas	5	39	5	(D)	4	(D)
Kentucky	48	43	37	29	19	14
Louisiana	1	(D)	1	(D)	-	-
Maine	10	(D)	9	(D)	3	(D)
Maryland	29	39	21	27	9	11
Massachusetts	12	9	8	(D)	4	(D)
Michigan	154	813	120	492	76	321
Minnesota	7	(D)	4	31	5	(D)
Mississippi	9	12	1	(D)	9	(D)
Missouri	22	95	8	40	19	55
Montana	1	(D)	-	-	1	(D)
Nebraska	7	5	2	(D)	5	(D)
Nevada	4	(D)	-	-	4	(D)
New Hampshire	2	(D)	1	(D)	1	(D)
New Jersey	12	(D)	10	(D)	4	(D)
New York	37	120	29	55	13	65
North Carolina	42	92	29	40	17	52
Ohio	69	279	46	227	28	52
Oklahoma	1	(D)	1	(D)	-	-
Oregon	92	333	69	207	53	126
Pennsylvania	120	135	87	84	44	51
South Carolina	22	21	13	(D)	10	(D)
Tennessee	16	10	15	(D)	2	(D)
Texas	3	2	-	-	3	2
Utah	4	(Z)	4	(Z)	-	-
Vermont	3	(D)	-	-	3	(D)
Virginia	66	157	46	96	24	61
Washington	43	66	31	43	16	23
West Virginia	51	70	28	23	30	47
Wisconsin	1	(D)	-	-	1	(D)
HAZELNUTS (FILBERTS)						
United States Total						
United States 2007	1,557	34,465	1,218	31,903	522	2,562
2002	1,231	33,801	1,042	31,753	385	2,049
States, 2007						
Alabama	13	5	5	(D)	9	(D)
California	12	10	7	(D)	5	(D)
Colorado	1	(D)	-	-	1	(D)
Connecticut	4	2	4	2	-	-
Georgia	9	5	5	(D)	4	(D)
Idaho	19	4	12	(D)	7	(D)
Illinois	9	3	4	1	6	2
Indiana	21	23	2	(D)	19	(D)
Iowa	29	20	12	6	21	14
Kansas	4	(D)	1	(D)	3	(D)
Kentucky	30	12	21	8	11	5
Maine	6	1	1	(D)	5	(D)
Maryland	11	5	10	(D)	3	(D)
Michigan	65	139	33	(D)	44	(D)
Minnesota	31	138	20	44	15	95
Mississippi	3	1	2	(D)	3	(D)
Missouri	16	4	9	(D)	7	(D)
Montana	15	2	13	(D)	2	(D)
Nebraska	8	5	5	(D)	4	(D)
New Hampshire	1	(D)	1	(D)	-	-
New Jersey	15	17	8	11	9	6
New York	28	25	13	5	18	20
North Carolina	19	7	11	4	8	3
Ohio	27	22	22	(D)	7	(D)
Oregon	850	33,661	798	31,431	177	2,230
Pennsylvania	56	22	33	12	25	10
South Carolina	5	(D)	1	(D)	4	(D)
South Dakota	2	(D)	-	-	2	(D)
Tennessee	12	3	9	(D)	3	(D)
Texas	4	4	2	(D)	3	(D)
Utah	13	3	6	2	8	1
Vermont	4	(D)	4	(D)	-	-
Virginia	27	11	15	4	13	7
Washington	160	298	118	216	59	82
West Virginia	25	6	10	(D)	15	(D)
Wisconsin	3	(D)	1	(D)	2	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
MACADAMIA NUTS						
United States Total						
United States 2007	1,150	17,811	1,042	16,732	234	1,079
2002	1,059	18,682	979	17,962	238	720
States, 2007						
California	139	184	100	102	56	82
Hawaii	1,011	17,628	942	16,630	178	997
PECANS, ALL (SEE TEXT)						
United States Total						
United States 2007	21,856	581,809	19,248	506,181	6,560	75,628
2002	22,371	545,344	16,980	408,079	10,670	137,265
States, 2007						
Alabama	1,323	18,025	1,260	16,055	305	1,970
Arizona	196	12,365	180	11,950	50	415
Arkansas	312	11,396	253	8,698	112	2,698
California	283	3,128	233	2,487	96	641
Colorado	7	48	5	(D)	2	(D)
Florida	963	8,652	810	6,741	334	1,911
Georgia	3,210	114,227	2,964	102,567	794	11,660
Idaho	6	18	2	(D)	4	(D)
Illinois	90	359	32	154	70	204
Indiana	32	106	15	46	21	60
Iowa	24	28	11	9	18	19
Kansas	215	6,178	157	5,265	95	913
Kentucky	105	594	36	400	78	194
Louisiana	778	16,557	664	(D)	318	(D)
Maryland	15	(D)	8	(D)	8	(D)
Michigan	30	(D)	9	7	23	(D)
Minnesota	4	(D)	-	-	4	(D)
Mississippi	673	14,343	591	11,321	234	3,023
Missouri	391	13,369	258	11,117	193	2,252
Nebraska	23	102	12	48	16	54
Nevada	7	4	4	2	5	1
New Jersey	3	(D)	1	(D)	2	(D)
New Mexico	1,742	39,245	1,673	35,746	296	3,499
New York	9	3	4	1	8	2
North Carolina	318	1,262	233	826	146	435
Ohio	21	(D)	16	12	5	(D)
Oklahoma	3,589	141,675	3,372	124,553	1,010	17,122
Pennsylvania	19	29	11	25	10	4
South Carolina	634	4,600	535	3,813	167	787
Tennessee	56	143	47	99	9	45
Texas	6,625	174,929	5,750	150,426	2,044	24,503
Utah	38	104	32	93	16	11
Virginia	88	241	59	116	41	125
West Virginia	26	41	10	4	25	37
Wisconsin	1	(D)	1	(D)	1	(D)
PECANS, IMPROVED (SEE TEXT)						
United States Total						
United States 2007	12,869	308,634	11,142	266,081	3,962	42,553
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
States, 2007						
Alabama	815	11,073	777	9,969	187	1,105
Arizona	196	12,365	180	11,950	50	415
Arkansas	210	7,718	169	5,565	72	2,153
California	279	3,128	233	2,487	92	641
Colorado	6	(D)	4	47	2	(D)
Florida	565	5,499	481	4,347	211	1,152
Georgia	2,057	96,254	1,874	87,041	529	9,213
Idaho	6	18	2	(D)	4	(D)
Illinois	42	110	14	31	32	79
Indiana	14	52	10	33	7	20
Iowa	14	17	7	6	10	11
Kansas	92	1,235	69	781	45	454
Kentucky	50	308	22	178	32	130
Louisiana	440	10,305	373	8,576	168	1,729
Maryland	8	(D)	3	1	6	(D)
Michigan	17	6	6	(D)	11	(D)
Minnesota	2	(D)	-	-	2	(D)
Mississippi	434	10,538	387	8,077	153	2,462
Missouri	135	1,714	74	972	94	742
Nebraska	17	96	11	(D)	10	(D)
Nevada	6	2	3	(D)	5	(D)
New Jersey	2	(D)	1	(D)	1	(D)
New Mexico	1,742	39,245	1,673	35,746	296	3,499
New York	6	2	4	1	5	1
North Carolina	236	888	167	577	109	311
Ohio	11	(D)	8	(D)	3	(D)
Oklahoma	1,051	21,609	917	16,549	350	5,061
Pennsylvania	15	28	11	25	6	3
South Carolina	366	2,979	308	2,526	105	453
Tennessee	32	96	30	(D)	2	(D)

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
PECANS, IMPROVED (SEE TEXT) - Con.						
States, 2007 - Con.						
Texas	3,912	83,030	3,268	70,274	1,319	12,755
Utah	21	80	16	74	7	6
Virginia	59	170	38	106	27	63
West Virginia	10	9	1	(D)	9	(D)
Wisconsin	1	(D)	1	(D)	1	(D)
PECANS, NATIVE AND SEEDLING (SEE TEXT)						
United States Total						
United States 2007	11,180	273,175	9,955	240,100	3,008	33,075
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
States, 2007						
Alabama	623	6,952	588	6,087	139	865
Arkansas	132	3,678	105	3,133	44	545
California	4	(Z)	-	-	4	(Z)
Colorado	1	(D)	1	(D)	-	-
Florida	452	3,153	376	2,394	138	759
Georgia	1,476	17,972	1,385	15,525	301	2,447
Illinois	54	249	21	123	40	126
Indiana	19	54	5	13	15	41
Iowa	12	11	5	3	9	9
Kansas	141	4,943	101	4,484	54	460
Kentucky	61	286	17	222	48	64
Louisiana	435	6,252	364	(D)	172	(D)
Maryland	8	2	6	(D)	2	(D)
Michigan	13	(D)	3	(D)	12	(D)
Minnesota	2	(D)	-	-	2	(D)
Mississippi	293	3,805	251	3,244	88	561
Missouri	285	11,656	203	10,145	116	1,510
Nebraska	6	6	1	(D)	6	(D)
Nevada	3	1	3	(D)	2	(D)
New Jersey	1	(D)	-	-	1	(D)
New York	3	1	-	-	3	1
North Carolina	97	373	73	249	44	124
Ohio	10	9	8	(D)	2	(D)
Oklahoma	3,042	120,066	2,914	108,005	748	12,061
Pennsylvania	4	2	-	-	4	2
South Carolina	312	1,621	268	1,287	71	334
Tennessee	26	48	19	(D)	7	(D)
Texas	3,600	91,900	3,189	80,152	896	11,747
Utah	17	24	16	19	9	5
Virginia	32	71	24	9	15	62
West Virginia	16	32	9	(D)	16	(D)
PISTACHIOS						
United States Total						
United States 2007	1,306	154,103	1,070	117,044	498	37,059
2002	1,320	126,569	1,097	95,040	483	31,529
States, 2007						
Arizona	50	1,523	41	1,479	18	44
California	1,141	151,484	936	114,832	435	36,651
Nevada	19	154	15	(D)	4	(D)
New Mexico	70	767	64	506	27	261
Texas	16	127	8	35	10	92
Utah	10	49	6	(D)	4	(D)
WALNUTS, ENGLISH						
United States Total						
United States 2007	7,161	267,751	6,385	225,106	2,421	42,644
2002	7,025	292,691	6,291	244,907	2,574	47,784
States, 2007						
Alabama	28	24	15	7	13	17
Arizona	7	(D)	5	(D)	2	(D)
Arkansas	7	22	5	(D)	4	(D)
California	5,712	264,517	5,345	222,887	1,878	41,629
Colorado	13	21	10	3	3	18
Connecticut	3	1	3	1	-	-
Florida	1	(D)	1	(D)	-	-
Georgia	12	2	6	1	6	1
Idaho	47	18	38	11	11	8
Illinois	63	93	36	43	36	50
Indiana	42	73	15	16	32	57
Iowa	42	135	33	74	13	61
Kentucky	15	41	10	14	7	28
Maine	1	(D)	-	-	1	(D)
Maryland	30	40	18	30	15	11
Massachusetts	8	4	6	(D)	3	(D)
Michigan	84	219	53	39	38	181
Minnesota	20	66	12	33	10	34
Mississippi	5	16	-	-	5	16
Missouri	52	208	25	117	30	91

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Table 32. **Fruits and Nuts: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Number	Farms	Number
WALNUTS, ENGLISH - Con.						
States, 2007 - Con.						
Montana	6	(D)	2	(D)	4	(D)
Nebraska	17	24	9	15	9	10
Nevada	4	1	3	(Z)	3	1
New Hampshire	6	(D)	3	(D)	6	(D)
New Jersey	24	30	19	20	7	10
New Mexico	13	17	7	(D)	6	(D)
New York	52	72	34	50	24	22
North Carolina	23	22	15	20	10	2
Ohio	29	15	24	6	6	9
Oklahoma	12	65	5	15	10	50
Oregon	354	1,460	326	1,336	75	124
Pennsylvania	128	122	74	67	61	55
South Carolina	21	14	15	12	6	2
South Dakota	2	(D)	2	(D)	2	(D)
Tennessee	5	4	5	4	-	-
Texas	8	18	7	(D)	2	(D)
Utah	26	19	23	(D)	3	(D)
Vermont	7	42	3	(D)	4	(D)
Virginia	54	128	38	102	22	26
Washington	173	173	130	108	54	65
West Virginia	2	(D)	2	(D)	-	-
Wisconsin	3	1	3	1	-	-
OTHER NUTS (SEE TEXT)						
United States Total						
United States 2007	1,302	7,661	887	4,500	666	3,161
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
States, 2007						
Alabama	8	15	3	(D)	5	(D)
Arizona	2	(D)	2	(D)	2	(D)
Arkansas	13	130	11	(D)	2	(D)
California	21	387	17	358	5	29
Colorado	8	110	8	(D)	3	(D)
Florida	58	(D)	53	(D)	27	(D)
Georgia	10	28	7	22	5	6
Hawaii	53	(D)	45	92	14	(D)
Idaho	2	(D)	1	(D)	2	(D)
Illinois	51	137	28	63	35	74
Indiana	60	280	34	107	34	173
Iowa	50	366	26	99	35	267
Kansas	4	(D)	4	(D)	-	-
Kentucky	123	415	65	143	80	272
Louisiana	7	(D)	7	(D)	2	(D)
Maine	8	10	5	5	5	5
Maryland	17	33	14	17	6	17
Massachusetts	6	3	3	1	4	2
Michigan	63	475	36	(D)	45	(D)
Minnesota	27	206	16	43	17	163
Mississippi	23	128	10	(D)	14	(D)
Missouri	229	2,308	176	1,378	96	931
Montana	1	(D)	1	(D)	-	-
Nebraska	41	252	26	97	28	155
New Jersey	16	53	13	41	8	12
New York	43	158	29	86	17	72
North Carolina	14	10	10	5	6	5
North Dakota	1	(D)	1	(D)	-	-
Ohio	55	357	44	131	28	226
Oklahoma	21	111	17	(D)	8	(D)
Oregon	25	30	18	19	7	11
Pennsylvania	68	121	33	50	50	71
South Carolina	21	47	13	19	11	27
Tennessee	5	10	3	(D)	3	(D)
Texas	61	780	44	688	23	92
Utah	5	1	2	(D)	3	(D)
Vermont	5	24	-	-	5	24
Virginia	37	116	33	81	15	35
Washington	20	53	15	34	6	19
West Virginia	18	18	12	11	9	7
Wisconsin	2	(D)	2	(D)	1	(D)

Table 33. **Land in Berries: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Irrigated	
	Farms	Acres	Farms	Acres
UNITED STATES TOTAL				
United States	25,017	261,733	11,510	176,568
STATES				
Alabama	496	809	171	350
Alaska	39	28	20	13
Arizona	33	15	16	(D)
Arkansas	259	1,104	136	751
California	1,411	42,081	1,411	42,081
Colorado	53	75	45	67
Connecticut	343	866	74	376
Delaware	47	83	27	59
Florida	812	10,135	511	8,353
Georgia	725	9,423	316	5,899
Idaho	128	133	82	93
Illinois	376	664	116	261
Indiana	407	1,248	116	606
Iowa	313	289	74	110
Kansas	90	77	53	39
Kentucky	636	772	213	244
Louisiana	237	835	99	435
Maine	1,013	45,811	132	4,913
Maryland	335	598	133	328
Massachusetts	1,027	14,804	617	13,673
Michigan	1,636	24,291	776	16,449
Minnesota	450	1,008	173	508
Mississippi	369	2,350	160	1,437
Missouri	498	716	204	357
Montana	98	63	78	59
Nebraska	68	78	27	49
Nevada	4	(D)	4	(D)
New Hampshire	298	874	96	213
New Jersey	641	13,323	262	10,526
New Mexico	76	64	46	38
New York	1,234	4,314	423	1,597
North Carolina	1,052	8,156	438	4,744
North Dakota	41	61	5	14
Ohio	933	2,012	303	741
Oklahoma	264	409	90	96
Oregon	1,644	24,538	1,053	18,504
Pennsylvania	1,549	2,543	476	961
Rhode Island	99	348	30	164
South Carolina	395	993	150	398
South Dakota	19	45	8	25
Tennessee	610	914	167	270
Texas	684	1,702	287	913
Utah	108	163	108	163
Vermont	344	705	84	292
Virginia	512	982	182	405
Washington	1,282	20,324	891	19,176
West Virginia	305	413	52	84
Wisconsin	1,019	20,485	571	19,717
Wyoming	5	(D)	4	(D)

Table 34. **Berries: 2007 and 2002**

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Harvested		Not harvested	
	Farms	Acres	Farms	Acres	Farms	Acres
BLACKBERRIES AND DEWBERRIES						
United States Total						
United States 2007	5,694	14,874	4,471	10,728	1,873	4,146
2002	(NA)	(NA)	3,565	10,210	(NA)	(NA)
States, 2007						
Alabama	120	75	85	45	54	31
Arizona	17	10	13	7	5	2
Arkansas	118	516	89	395	45	121
California	383	1,132	335	920	80	212
Colorado	9	8	8	(D)	1	(D)
Connecticut	36	(D)	28	6	8	(D)
Delaware	6	(D)	6	(D)	-	-
Florida	97	167	66	99	43	68
Georgia	131	364	107	303	39	61
Idaho	39	14	33	12	7	2
Illinois	107	74	85	46	25	28
Indiana	79	54	74	42	14	12
Iowa	60	18	42	14	20	4
Kansas	50	25	38	15	17	10
Kentucky	271	246	178	103	121	143
Louisiana	53	(D)	41	19	16	(D)
Maine	50	38	44	26	14	12
Maryland	124	94	113	84	19	10
Massachusetts	72	(D)	61	35	11	(D)
Michigan	149	128	109	59	45	68
Minnesota	34	17	29	13	10	4
Mississippi	33	57	22	21	13	36
Missouri	256	275	165	119	121	156
Montana	19	4	17	3	3	(Z)
Nebraska	25	(D)	20	5	7	(D)
Nevada	1	(D)	1	(D)	-	-
New Hampshire	35	14	31	13	10	1
New Jersey	100	79	92	70	17	10
New Mexico	27	21	25	20	3	(Z)
New York	219	355	187	300	47	55
North Carolina	250	221	176	133	99	88
North Dakota	1	(D)	1	(D)	-	-
Ohio	274	196	183	110	113	87
Oklahoma	193	266	124	112	90	154
Oregon	513	7,950	446	6,068	194	1,882
Pennsylvania	192	110	167	86	39	24
Rhode Island	12	6	12	6	-	-
South Carolina	97	100	82	85	19	15
South Dakota	1	(D)	1	(D)	-	-
Tennessee	269	316	188	167	133	149
Texas	485	800	404	545	142	256
Utah	32	30	20	14	14	16
Vermont	28	8	22	6	6	2
Virginia	193	268	171	180	49	89
Washington	223	549	187	341	63	208
West Virginia	125	131	64	36	85	95
Wisconsin	86	38	79	34	12	4
BLUEBERRIES, TAME						
United States Total						
United States 2007	9,991	77,150	7,516	60,353	3,790	16,797
2002	(NA)	(NA)	6,428	52,002	(NA)	(NA)
States, 2007						
Alabama	372	616	201	347	194	270
Alaska	1	(D)	1	(D)	-	-
Arizona	3	1	-	-	3	1
Arkansas	138	443	82	269	67	174
California	223	3,081	186	2,232	72	849
Colorado	1	(D)	-	-	1	(D)
Connecticut	212	401	191	333	40	68
Delaware	8	8	4	(D)	4	(D)
Florida	566	3,357	442	2,376	221	981
Georgia	587	8,848	343	4,802	327	4,046
Idaho	15	17	9	13	6	4
Illinois	90	136	56	103	45	33
Indiana	105	713	87	588	39	125
Iowa	28	16	16	8	13	8
Kansas	13	8	5	4	8	4
Kentucky	192	207	58	35	149	172
Louisiana	151	509	128	436	47	73
Maine	166	409	144	267	42	143
Maryland	103	146	94	128	22	17
Massachusetts	331	659	304	512	71	148
Michigan	840	21,758	758	19,641	300	2,116
Minnesota	88	99	74	69	27	31
Mississippi	329	2,230	317	2,209	37	21
Missouri	155	217	65	53	101	164
Montana	4	(D)	1	(D)	3	(D)
Nebraska	1	(D)	-	-	1	(D)
New Hampshire	193	259	170	221	53	37
New Jersey	299	9,170	268	7,605	135	1,564
New Mexico	5	(D)	5	(D)	-	-
New York	467	1,317	407	1,097	112	220

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Table 34. **Berries: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Harvested		Not harvested	
	Farms	Acres	Farms	Acres	Farms	Acres
BLUEBERRIES, TAME - Con.						
States, 2007 - Con.						
North Carolina	595	6,367	297	5,323	355	1,044
North Dakota	1	(D)	1	(D)	-	-
Ohio	263	382	183	193	108	189
Oklahoma	43	55	22	19	24	36
Oregon	828	6,769	713	5,185	210	1,584
Pennsylvania	538	786	465	638	142	149
Rhode Island	61	148	51	138	14	10
South Carolina	244	527	166	292	96	235
South Dakota	2	(D)	1	(D)	1	(D)
Tennessee	263	265	84	61	194	204
Texas	211	759	172	579	58	180
Utah	8	4	-	-	8	4
Vermont	213	362	179	275	47	87
Virginia	204	256	137	160	87	97
Washington	564	5,490	475	3,926	163	1,563
West Virginia	134	133	57	50	90	84
Wisconsin	133	216	97	161	53	55
BLUEBERRIES, WILD						
United States Total						
United States 2007	907	45,763	728	23,492	582	22,271
2002	(NA)	(NA)	665	23,851	(NA)	(NA)
States, 2007						
Alabama	20	3	13	2	7	1
Connecticut	7	5	5	(D)	2	(D)
Kansas	1	(D)	-	-	1	(D)
Maine	577	44,462	488	22,747	444	21,715
Maryland	1	(D)	-	-	1	(D)
Massachusetts	58	187	51	92	19	95
Michigan	35	112	19	42	16	69
Minnesota	2	(D)	-	-	2	(D)
Missouri	1	(D)	1	(D)	1	(D)
New Hampshire	28	379	26	196	14	183
New Jersey	22	36	18	23	9	13
New York	48	281	36	175	18	107
North Carolina	28	(D)	16	(D)	12	3
Oklahoma	12	30	9	14	8	16
Pennsylvania	24	33	16	11	11	22
Rhode Island	5	2	3	(D)	2	(D)
South Carolina	1	(D)	1	(D)	-	-
Vermont	17	13	12	(D)	5	(D)
Virginia	16	(D)	12	(D)	7	4
West Virginia	4	7	2	(D)	3	(D)
BOYSENBERRIES						
United States Total						
United States 2007	304	1,068	270	823	61	245
2002	(NA)	(NA)	320	1,097	(NA)	(NA)
States, 2007						
Arizona	3	1	3	1	-	-
California	117	114	104	103	22	11
Idaho	2	(D)	-	-	2	(D)
Maryland	1	(D)	1	(D)	-	-
Minnesota	1	(D)	1	(D)	-	-
Ohio	2	(D)	2	(D)	-	-
Oregon	143	913	132	701	28	212
Washington	34	40	26	(D)	9	(D)
Wisconsin	1	(D)	1	(D)	-	-
CRANBERRIES						
United States Total						
United States 2007	1,134	41,310	1,088	38,597	385	2,712
2002	(NA)	(NA)	1,099	40,685	(NA)	(NA)
States, 2007						
Connecticut	2	(D)	2	(D)	-	-
Maine	40	299	37	(D)	11	(D)
Massachusetts	469	13,368	448	12,521	121	847
Michigan	19	307	17	(D)	7	(D)
Minnesota	5	10	3	(D)	2	(D)
New Hampshire	2	(D)	2	(D)	-	-
New Jersey	41	3,550	39	3,111	26	439
New York	3	1	3	1	-	-
Oregon	151	3,048	149	2,766	69	282
Pennsylvania	3	1	-	-	3	1
Rhode Island	3	(D)	3	(D)	1	(D)
Vermont	3	(D)	3	(D)	1	(D)
Washington	130	1,899	123	1,752	48	147
Wisconsin	263	18,696	259	17,752	96	944

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Table 34. **Berries: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Harvested		Not harvested	
	Farms	Acres	Farms	Acres	Farms	Acres
CURRANTS						
United States Total						
United States 2007	323	382	276	253	74	129
2002	(NA)	(NA)	103	294	(NA)	(NA)
States, 2007						
California	7	(D)	5	2	3	(D)
Connecticut	14	(D)	12	(D)	3	(D)
Idaho	6	(D)	2	(D)	4	5
Maine	7	1	5	(D)	2	(D)
Massachusetts	18	(D)	18	(D)	-	-
Michigan	30	10	27	9	5	2
Minnesota	20	(D)	19	(D)	2	(D)
New Hampshire	7	(D)	6	(D)	1	(D)
New Jersey	7	4	7	(D)	1	(D)
New York	67	44	61	43	9	1
Oregon	40	27	35	25	10	2
Pennsylvania	21	18	19	17	6	1
Rhode Island	1	(D)	1	(D)	-	-
Utah	4	(D)	-	-	4	(D)
Vermont	15	6	12	5	3	1
Washington	35	103	25	83	14	20
Wisconsin	24	11	22	6	7	4
LOGANBERRIES						
United States Total						
United States 2007	97	93	89	77	11	16
2002	(NA)	(NA)	129	(D)	(NA)	(NA)
States, 2007						
Alaska	1	(D)	1	(D)	-	-
California	5	2	5	2	-	-
Georgia	1	(D)	1	(D)	1	(D)
Kentucky	1	(D)	1	(D)	-	-
Louisiana	2	(D)	2	(D)	-	-
Massachusetts	2	(D)	-	-	2	(D)
New Mexico	2	(D)	2	(D)	-	-
New York	3	(D)	3	(D)	-	-
Ohio	2	(D)	2	(D)	-	-
Oregon	46	54	42	52	5	2
Virginia	1	(D)	1	(D)	1	(D)
Washington	30	10	28	(D)	2	(D)
Wisconsin	1	(D)	1	(D)	-	-
RASPBERRIES, ALL						
United States Total						
United States 2007	6,588	21,554	5,719	19,363	1,405	2,191
2002	(NA)	(NA)	4,521	19,888	(NA)	(NA)
States, 2007						
Alabama	16	3	8	1	9	2
Alaska	26	17	24	(D)	3	(D)
Arizona	5	1	4	(D)	1	(D)
Arkansas	37	18	27	12	10	7
California	274	3,247	254	3,084	51	163
Colorado	29	31	28	31	3	(Z)
Connecticut	127	129	113	106	25	23
Delaware	2	(D)	2	(D)	-	-
Florida	18	7	2	(D)	16	(D)
Georgia	21	6	13	4	8	2
Idaho	94	59	76	(D)	18	(D)
Illinois	123	77	100	65	39	11
Indiana	69	58	60	51	14	8
Iowa	184	98	175	88	21	10
Kansas	23	10	16	5	9	5
Kentucky	98	33	56	17	47	16
Louisiana	2	(D)	2	(D)	-	-
Maine	187	112	182	103	18	10
Maryland	113	83	108	66	11	17
Massachusetts	224	162	202	140	46	22
Michigan	478	654	427	615	78	38
Minnesota	281	296	247	223	60	72
Mississippi	6	4	4	(D)	2	(D)
Missouri	105	38	72	23	37	15
Montana	66	30	64	25	6	4
Nebraska	38	14	21	6	23	8
Nevada	3	(D)	3	(D)	-	-
New Hampshire	137	(D)	131	(D)	22	(D)
New Jersey	163	140	154	132	18	8
New Mexico	39	30	35	27	6	3
New York	525	621	485	531	98	90
North Carolina	112	37	75	23	44	14
North Dakota	19	19	19	(D)	2	(D)
Ohio	362	456	287	303	110	153
Oklahoma	24	(D)	16	(D)	8	3
Oregon	420	3,470	361	3,025	101	445
Pennsylvania	492	319	464	292	54	27

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Table 34. **Berries: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Harvested		Not harvested	
	Farms	Acres	Farms	Acres	Farms	Acres
RASPBERRIES, ALL - Con.						
States, 2007 - Con.						
Rhode Island	34	(D)	31	(D)	4	1
South Carolina	22	10	18	9	4	(Z)
South Dakota	11	9	10	(D)	2	(D)
Tennessee	77	32	48	20	34	12
Texas	8	8	5	(D)	3	(D)
Utah	57	108	46	78	17	30
Vermont	142	(D)	125	112	24	(D)
Virginia	124	78	106	60	25	17
Washington	657	10,431	578	9,607	136	825
West Virginia	103	62	62	27	56	35
Wisconsin	406	286	368	242	81	44
Wyoming	5	(D)	5	7	1	(D)
STRAWBERRIES						
United States Total						
United States 2007	8,638	58,718	7,807	55,601	1,976	3,117
2002	(NA)	(NA)	6,799	55,866	(NA)	(NA)
States, 2007						
Alabama	78	112	58	91	20	21
Alaska	16	(D)	15	3	1	(D)
Arizona	9	3	8	(D)	1	(D)
Arkansas	67	119	51	89	18	30
California	729	34,442	719	34,101	77	341
Colorado	22	35	18	33	6	2
Connecticut	113	208	101	173	34	35
Delaware	40	61	31	59	9	2
Florida	212	6,594	202	6,538	15	56
Georgia	83	198	64	182	22	16
Idaho	31	26	25	19	9	8
Illinois	233	363	201	277	84	86
Indiana	233	415	219	366	57	49
Iowa	150	136	128	127	29	10
Kansas	42	25	30	15	16	10
Kentucky	295	276	235	181	99	95
Louisiana	62	176	61	(D)	4	(D)
Maine	163	484	155	415	44	69
Maryland	150	248	144	229	15	19
Massachusetts	195	337	186	300	29	37
Michigan	496	1,229	432	1,032	136	198
Minnesota	227	550	214	406	75	144
Mississippi	13	38	12	(D)	1	(D)
Missouri	204	172	154	99	62	74
Montana	48	24	33	21	15	2
Nebraska	27	41	23	24	12	17
Nevada	2	(D)	2	(D)	-	-
New Hampshire	90	131	82	114	27	17
New Jersey	211	315	198	281	33	34
New Mexico	12	7	12	(D)	1	(D)
New York	625	1,659	598	1,435	146	224
North Carolina	380	1,360	333	1,303	62	56
North Dakota	13	(D)	13	(D)	-	-
Ohio	483	950	450	804	110	146
Oklahoma	66	53	52	40	20	13
Oregon	315	2,271	285	1,960	67	311
Pennsylvania	856	1,254	835	1,123	128	131
Rhode Island	30	55	29	49	5	6
South Carolina	128	351	120	334	15	17
South Dakota	8	20	8	20	-	-
Tennessee	219	301	151	194	89	107
Texas	52	126	47	112	7	13
Utah	21	11	11	8	12	3
Vermont	122	185	112	162	32	23
Virginia	178	330	157	296	36	34
Washington	326	1,715	304	1,408	54	307
West Virginia	107	77	69	45	54	32
Wisconsin	455	1,229	419	914	187	315
Wyoming	1	(D)	1	(D)	1	(D)
OTHER BERRIES						
United States Total						
United States 2007	856	828	691	503	227	325
2002	(NA)	(NA)	353	(D)	(NA)	(NA)
States, 2007						
Alaska	12	7	10	(D)	2	(D)
Arizona	4	(Z)	4	(Z)	-	-
Arkansas	6	7	2	(D)	4	(D)
California	67	(D)	62	27	6	(D)
Colorado	3	(D)	3	(D)	-	-
Connecticut	26	(D)	23	(D)	8	(D)
Delaware	3	(D)	3	(D)	1	(D)
Florida	6	10	5	(D)	1	(D)
Georgia	3	(D)	2	(D)	2	(D)
Idaho	7	9	5	(D)	2	(D)
Illinois	26	14	18	8	9	6

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Table 34. **Berries: 2007 and 2002** - Con.

[Totals may not add due to rounding. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total		Harvested		Not harvested	
	Farms	Acres	Farms	Acres	Farms	Acres
OTHER BERRIES - Con.						
States, 2007 - Con.						
Indiana	9	8	8	(D)	1	(D)
Iowa	14	21	10	(D)	4	(D)
Kansas	6	(D)	6	4	4	(D)
Kentucky	23	(D)	8	(D)	15	8
Louisiana	22	119	12	39	15	80
Maine	12	5	7	2	5	4
Maryland	22	(D)	22	(D)	5	11
Massachusetts	15	(D)	13	(D)	2	(D)
Michigan	44	95	37	82	11	13
Minnesota	18	(D)	13	(D)	7	3
Mississippi	14	22	14	22	-	-
Missouri	20	(D)	14	(D)	6	10
Montana	9	(D)	7	2	2	(D)
Nebraska	14	17	8	(D)	6	(D)
New Hampshire	5	1	4	(D)	1	(D)
New Jersey	44	30	44	23	8	7
New Mexico	12	(D)	7	(D)	5	1
New York	41	(D)	34	28	10	(D)
North Carolina	21	(D)	14	(D)	7	4
North Dakota	14	35	12	(D)	2	(D)
Ohio	34	(D)	29	(D)	9	14
Oklahoma	3	(D)	1	(D)	2	(D)
Oregon	37	37	27	26	10	10
Pennsylvania	48	24	45	22	8	2
Rhode Island	2	(D)	2	(D)	-	-
South Carolina	9	(D)	8	2	3	(D)
South Dakota	1	(D)	-	-	1	(D)
Texas	8	9	8	9	-	-
Utah	20	(D)	20	(D)	-	-
Vermont	10	1	6	1	4	1
Virginia	38	19	37	(D)	1	(D)
Washington	78	88	63	38	26	51
West Virginia	15	3	8	1	7	2
Wisconsin	11	(D)	6	(D)	5	7

Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
AQUATIC PLANTS								
United States Total								
United States	659	1,712,080	1,128	651	35,193,380	1,019	3,546,388	1,259
States								
Alabama	9	2,047	1	9	21,694	20	21,500	(D)
Arizona	3	(D)	-	3	(D)	8	-	11
Arkansas	10	8,850	5	10	237,000	19	(D)	25
California	44	145,812	20	44	(D)	53	182,783	51
Colorado	13	72,629	6	13	396,960	12	4,049	14
Connecticut	5	(D)	(D)	5	(D)	6	7,944	(D)
Delaware	-	-	-	-	-	1	(D)	-
Florida	61	313,596	500	61	9,557,129	85	320,403	179
Georgia	10	(D)	10	10	379,600	21	28,732	(D)
Hawaii	10	(D)	2	9	35,584	11	(D)	3
Idaho	5	(D)	(D)	5	(D)	6	5,600	(D)
Illinois	12	42,550	(D)	12	698,442	11	(D)	1
Indiana	15	22,791	7	15	839,295	15	(D)	4
Iowa	5	12,965	(D)	5	(D)	7	26,765	(D)
Kansas	7	3,588	(D)	7	(D)	7	(D)	(D)
Kentucky	11	10,156	2	11	66,860	20	25,558	2
Louisiana	4	-	6	4	84,000	14	(D)	121
Maine	5	(D)	(D)	5	(D)	8	(D)	7
Maryland	10	70,575	(D)	10	1,791,365	18	68,638	(D)
Massachusetts	5	(D)	3	5	383,148	14	5,400	6
Michigan	33	39,908	26	33	303,330	33	323,360	23
Minnesota	9	(D)	5	9	321,825	16	43,330	(D)
Mississippi	7	(D)	(D)	7	(D)	7	(D)	8
Missouri	23	10,600	17	23	1,844,200	30	125,284	16
Montana	4	4,954	(Z)	4	233,852	1	(D)	-
Nebraska	5	1,870	(D)	5	25,275	5	4,202	(D)
Nevada	3	(D)	2	2	(D)	3	(D)	7
New Hampshire	2	(D)	(D)	2	(D)	1	(D)	-
New Jersey	16	70,420	11	16	471,760	23	(D)	11
New Mexico	5	28,650	(D)	5	(D)	10	15,049	21
New York	25	12,543	24	25	2,591,626	50	168,236	(D)
North Carolina	20	28,220	8	20	(D)	43	65,090	11
North Dakota	3	(D)	(D)	3	2,150	1	(D)	-
Ohio	20	14,000	8	20	349,314	48	146,108	17
Oklahoma	12	22,550	(D)	11	197,176	19	22,649	(D)
Oregon	37	184,840	36	37	2,331,162	56	173,561	59
Pennsylvania	53	69,980	34	53	1,485,657	84	529,862	40
Rhode Island	1	(D)	(D)	1	(D)	2	(D)	(D)
South Carolina	2	(D)	(D)	2	(D)	12	(D)	16
South Dakota	1	-	(D)	1	(D)	1	(D)	-
Tennessee	19	29,025	10	17	462,707	58	(D)	26
Texas	37	43,952	48	35	1,076,510	54	266,890	(D)
Utah	3	-	(D)	3	12,054	2	(D)	(D)
Vermont	2	-	(D)	2	(D)	8	5,348	4
Virginia	14	59,500	5	14	434,250	30	343,114	29
Washington	26	60,939	17	26	708,659	33	75,432	18
West Virginia	4	(D)	1	4	1,100	5	(D)	(D)
Wisconsin	29	59,810	167	28	1,342,175	26	72,209	(D)
Wyoming	-	-	-	-	-	2	(D)	(D)
BULBS, CORMS, RHIZOMES, AND TUBERS - DRY								
United States Total								
United States	909	2,111,759	6,060	896	90,304,021	1,567	4,043,848	9,300
States								
Alabama	21	91,900	70	21	(D)	14	35,784	32
Alaska	4	(D)	(D)	4	8,520	4	3,050	-
Arizona	4	2,000	1	4	3,160	3	-	(D)
Arkansas	10	(D)	14	10	28,785	9	53,100	(D)
California	86	95,958	823	86	38,208,034	172	542,134	1,396
Colorado	20	86,761	45	20	1,752,570	20	140,365	32
Connecticut	5	(D)	(D)	5	(D)	11	41,991	(D)
Delaware	2	-	(D)	2	(D)	1	(D)	-
Florida	41	(D)	1,348	41	10,538,903	91	(D)	1,657
Georgia	28	8,869	38	28	135,567	30	35,893	19
Hawaii	11	15,406	6	10	23,705	15	(D)	(D)
Idaho	15	44,787	70	15	588,391	12	(D)	(D)
Illinois	9	(D)	33	9	89,202	21	(D)	73
Indiana	17	3,650	(D)	17	161,233	17	13,306	(D)
Iowa	13	(D)	7	7	(D)	10	(D)	3
Kansas	7	(D)	4	7	6,909	9	(D)	8
Kentucky	7	(D)	4	7	145,556	21	25,306	21
Louisiana	14	15,040	24	11	74,375	19	35,700	(D)
Maine	14	27,750	10	14	97,742	20	(D)	12
Maryland	5	(D)	12	5	33,377	13	24,910	5
Massachusetts	19	153,415	8	19	(D)	26	130,358	9
Michigan	29	184,020	(D)	29	4,068,547	64	379,768	581
Minnesota	17	13,640	26	17	130,743	22	34,072	(D)
Mississippi	11	1,766	6	11	42,678	3	(D)	(D)
Missouri	19	-	55	19	193,814	27	(D)	36
Montana	5	-	4	5	(D)	6	(D)	6

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
BULBS, CORMS, RHIZOMES, AND TUBERS - DRY - Con.								
States - Con.								
Nebraska	21	20,787	14	21	34,707	15	(D)	9
Nevada	1	-	(D)	1	(D)	1	-	(D)
New Hampshire	2	(D)	-	2	(D)	6	8,750	(D)
New Jersey	21	93,075	15	21	1,170,760	62	136,530	61
New Mexico	5	(D)	(D)	4	(D)	7	(D)	12
New York	28	29,075	22	28	177,184	71	167,511	39
North Carolina	36	(D)	26	36	(D)	103	315,893	287
Ohio	23	28,354	14	23	381,307	40	115,930	36
Oklahoma	10	(D)	9	10	27,090	19	(D)	(D)
Oregon	80	20,001	543	79	8,509,993	138	67,793	870
Pennsylvania	42	(D)	22	42	1,245,862	92	481,844	37
Rhode Island	2	-	(D)	2	(D)	1	(D)	(D)
South Carolina	15	(D)	7	15	(D)	18	21,810	22
South Dakota	3	(D)	(D)	3	(D)	4	(D)	(D)
Tennessee	36	19,509	39	35	410,172	29	29,270	33
Texas	38	49,116	61	38	696,446	73	236,316	(D)
Utah	4	(D)	(D)	4	34,420	4	(D)	(D)
Vermont	4	(D)	(D)	4	19,830	9	12,600	2
Virginia	12	-	22	12	56,048	21	49,820	(D)
Washington	76	3,823	1,755	76	6,243,232	142	69,801	2,717
West Virginia	6	2,046	1	6	1,996	14	17,960	(D)
Wisconsin	10	(D)	(D)	10	395,804	37	47,800	43
Wyoming	1	(D)	-	1	(D)	1	(D)	-
CUTTINGS, SEEDLINGS, LINERS, AND PLUGS								
United States Total								
United States	1,464	29,975,544	4,089	1,447	440,932,591	(NA)	(NA)	(NA)
States								
Alabama	34	760,740	10	33	14,226,950	(NA)	(NA)	(NA)
Arizona	7	(D)	(D)	7	(D)	(NA)	(NA)	(NA)
Arkansas	13	43,075	4	13	195,661	(NA)	(NA)	(NA)
California	128	4,426,391	177	128	84,376,862	(NA)	(NA)	(NA)
Colorado	15	861,832	(D)	15	28,504,088	(NA)	(NA)	(NA)
Connecticut	12	314,720	3	12	4,299,800	(NA)	(NA)	(NA)
Delaware	7	768	(D)	7	(D)	(NA)	(NA)	(NA)
Florida	152	8,452,393	157	152	91,273,587	(NA)	(NA)	(NA)
Georgia	35	460,896	377	35	13,533,104	(NA)	(NA)	(NA)
Hawaii	64	281,694	60	55	3,467,512	(NA)	(NA)	(NA)
Idaho	11	103,668	15	11	1,189,934	(NA)	(NA)	(NA)
Illinois	30	247,990	23	30	(D)	(NA)	(NA)	(NA)
Indiana	21	324,644	(D)	21	4,185,363	(NA)	(NA)	(NA)
Iowa	7	563,060	-	6	5,253,795	(NA)	(NA)	(NA)
Kansas	4	(D)	(D)	4	167,000	(NA)	(NA)	(NA)
Kentucky	28	110,823	10	28	1,240,758	(NA)	(NA)	(NA)
Louisiana	29	601,914	18	29	6,667,154	(NA)	(NA)	(NA)
Maine	28	35,185	(D)	28	296,640	(NA)	(NA)	(NA)
Maryland	15	197,555	(D)	15	2,624,342	(NA)	(NA)	(NA)
Massachusetts	12	48,341	(D)	12	1,152,627	(NA)	(NA)	(NA)
Michigan	74	2,071,351	184	73	28,661,100	(NA)	(NA)	(NA)
Minnesota	11	(D)	(D)	11	(D)	(NA)	(NA)	(NA)
Mississippi	21	59,386	172	21	2,295,640	(NA)	(NA)	(NA)
Missouri	19	47,168	22	19	1,367,295	(NA)	(NA)	(NA)
Montana	6	(D)	(D)	6	450,340	(NA)	(NA)	(NA)
Nebraska	12	83,559	7	12	456,566	(NA)	(NA)	(NA)
Nevada	3	2,200	(D)	3	29,800	(NA)	(NA)	(NA)
New Hampshire	5	6,935	(D)	5	98,973	(NA)	(NA)	(NA)
New Jersey	34	1,718,468	241	34	19,128,281	(NA)	(NA)	(NA)
New Mexico	6	31,700	-	6	171,700	(NA)	(NA)	(NA)
New York	40	431,874	2	40	4,446,591	(NA)	(NA)	(NA)
North Carolina	59	280,510	44	58	2,776,906	(NA)	(NA)	(NA)
North Dakota	2	(D)	(D)	2	(D)	(NA)	(NA)	(NA)
Ohio	33	413,396	6	33	3,420,018	(NA)	(NA)	(NA)
Oklahoma	13	74,988	25	13	858,039	(NA)	(NA)	(NA)
Oregon	118	1,240,746	428	118	24,999,362	(NA)	(NA)	(NA)
Pennsylvania	52	510,577	101	50	10,800,053	(NA)	(NA)	(NA)
Rhode Island	8	37,150	(Z)	8	443,500	(NA)	(NA)	(NA)
South Carolina	18	20,300	(D)	18	553,406	(NA)	(NA)	(NA)
Tennessee	75	383,952	143	73	3,550,968	(NA)	(NA)	(NA)
Texas	64	638,447	356	64	11,097,732	(NA)	(NA)	(NA)
Utah	4	(D)	(D)	4	(D)	(NA)	(NA)	(NA)
Vermont	7	25,800	(D)	7	198,732	(NA)	(NA)	(NA)
Virginia	30	308,320	88	30	3,997,673	(NA)	(NA)	(NA)
Washington	50	1,891,834	548	50	29,617,227	(NA)	(NA)	(NA)
West Virginia	13	(D)	-	13	(D)	(NA)	(NA)	(NA)
Wisconsin	35	189,452	208	35	3,405,952	(NA)	(NA)	(NA)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
FLORICULTURE CROPS - BEDDING/GARDEN PLANTS, CUT FLOWERS AND CUT FLORIST GREENS, FOLIAGE PLANTS, POTTED FLOWERING PLANTS, AND OTHER FLORICULTURE AND BEDDING CROPS, TOTAL								
United States Total								
United States	26,236	819,940,649	54,196	26,137	6,466,885,753	29,788	973,658,415	68,214
States								
Alabama	278	9,329,568	561	278	87,088,158	363	11,606,204	406
Alaska	101	986,805	24	101	12,460,245	87	1,151,218	16
Arizona	98	1,184,278	581	98	(D)	110	4,539,020	550
Arkansas	178	2,461,384	315	178	(D)	168	2,280,151	165
California	1,870	103,139,657	12,017	1,865	1,222,371,503	2,481	146,729,367	18,608
Colorado	208	9,008,832	134	208	120,132,280	227	12,515,785	118
Connecticut	447	9,441,760	457	447	130,097,751	518	10,101,689	447
Delaware	111	654,127	69	111	6,710,359	73	(D)	75
Florida	1,598	255,981,229	9,801	1,593	909,212,711	2,032	320,884,771	12,771
Georgia	401	8,247,156	367	400	89,035,382	582	9,962,964	597
Hawaii	1,154	21,999,212	2,429	1,096	75,709,230	1,117	28,837,733	2,913
Idaho	208	1,925,127	117	208	19,252,948	172	1,972,559	89
Illinois	652	19,071,248	1,340	652	188,291,446	533	13,422,917	1,278
Indiana	586	8,942,942	367	586	64,587,556	701	14,629,453	500
Iowa	313	7,302,075	316	313	56,042,988	314	5,043,738	319
Kansas	225	5,188,648	131	225	36,272,765	231	5,064,684	120
Kentucky	617	6,499,682	279	616	45,094,228	665	7,913,985	289
Louisiana	206	4,202,871	347	206	32,439,697	288	4,884,321	263
Maine	500	2,471,473	238	500	23,560,794	620	2,623,797	276
Maryland	406	7,725,935	425	406	82,723,067	451	7,818,991	626
Massachusetts	597	8,302,646	907	597	117,748,643	713	10,437,228	727
Michigan	1,332	52,915,651	3,413	1,330	439,220,434	1,271	48,186,105	3,880
Minnesota	472	13,915,949	992	472	123,381,541	483	13,104,446	1,185
Mississippi	205	2,543,412	199	205	13,063,847	181	2,993,372	240
Missouri	525	6,413,684	429	524	68,005,821	561	6,889,562	465
Montana	219	1,606,162	36	219	12,686,084	181	1,621,191	38
Nebraska	173	1,876,710	44	173	(D)	162	1,359,795	83
Nevada	16	104,261	11	16	(D)	19	(D)	11
New Hampshire	300	2,968,014	170	300	49,882,990	271	2,857,829	165
New Jersey	830	20,065,160	2,665	828	196,267,583	880	17,280,688	3,441
New Mexico	114	5,248,424	100	114	39,684,047	111	4,184,417	102
New York	1,334	25,430,297	1,597	1,334	225,918,639	1,738	26,382,886	1,772
North Carolina	906	21,337,221	835	898	260,670,801	1,050	25,215,286	1,326
North Dakota	37	382,328	15	37	4,857,032	40	(D)	30
Ohio	1,227	24,431,023	903	1,226	247,179,189	1,416	33,171,108	1,170
Oklahoma	243	3,283,323	282	243	(D)	338	5,117,898	155
Oregon	1,035	17,833,262	2,578	1,032	158,134,953	1,209	16,263,107	2,564
Pennsylvania	1,548	22,037,433	962	1,547	214,458,329	1,709	30,647,920	1,493
Rhode Island	168	1,043,055	145	168	8,678,677	156	1,402,641	88
South Carolina	279	6,453,439	676	279	99,792,022	388	5,982,743	1,762
South Dakota	67	2,143,129	13	67	14,336,672	67	2,821,715	28
Tennessee	611	10,608,389	620	602	75,347,766	897	11,686,742	724
Texas	879	41,059,894	1,856	877	326,418,037	984	40,764,732	1,533
Utah	117	4,996,394	106	117	71,613,813	147	6,508,872	108
Vermont	305	1,492,557	305	305	14,915,956	327	1,710,431	217
Virginia	527	9,872,686	573	527	115,462,218	676	10,902,336	828
Washington	820	10,561,649	2,522	820	142,798,533	998	17,831,790	2,929
West Virginia	212	2,260,356	57	212	12,298,039	238	2,415,430	72
Wisconsin	953	12,710,866	864	953	124,311,086	814	11,945,115	644
Wyoming	28	279,266	6	28	(D)	30	248,305	7
BEDDING/GARDEN PLANTS								
United States Total								
United States	18,376	361,050,691	18,647	18,337	3,763,633,057	20,460	386,963,439	21,484
States								
Alabama	197	6,133,725	178	197	67,773,942	240	7,748,871	176
Alaska	90	888,983	18	90	11,595,358	76	1,014,506	11
Arizona	42	377,724	91	42	10,682,034	55	3,344,854	171
Arkansas	147	1,666,944	225	147	11,067,953	135	1,777,716	94
California	618	24,093,631	2,602	615	397,805,269	837	33,712,945	4,833
Colorado	170	7,042,126	85	170	101,718,649	183	9,420,073	69
Connecticut	368	6,876,742	297	368	101,066,748	420	7,134,238	250
Delaware	93	(D)	44	93	(D)	61	598,146	31
Florida	360	21,256,379	1,329	358	170,778,118	457	26,792,369	761
Georgia	324	6,632,065	227	323	74,601,274	449	7,451,095	456
Hawaii	119	292,541	89	117	3,629,168	64	151,367	58
Idaho	174	1,587,340	72	174	15,510,761	129	1,452,713	24
Illinois	568	14,860,622	926	568	142,537,699	471	9,985,374	853
Indiana	488	6,808,980	233	488	52,423,511	599	9,471,681	300
Iowa	259	6,182,464	189	259	46,339,961	254	3,838,850	223
Kansas	189	4,349,536	83	189	28,819,589	207	3,947,261	82
Kentucky	508	4,609,342	161	508	31,255,924	566	5,679,724	205
Louisiana	149	2,956,662	161	149	22,169,970	196	2,842,551	139
Maine	423	2,132,002	172	423	20,392,461	542	2,085,586	162
Maryland	317	5,675,955	261	317	70,739,582	355	5,458,434	391
Massachusetts	503	5,473,619	511	503	68,085,034	549	7,029,968	288

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
BEDDING/GARDEN PLANTS - Con.								
States - Con.								
Michigan	1,131	44,368,310	1,713	1,129	380,720,857	1,077	38,237,074	1,825
Minnesota	406	10,904,851	401	406	98,035,514	410	9,665,729	232
Mississippi	148	1,824,424	98	148	9,547,006	132	2,087,195	153
Missouri	445	5,038,516	320	444	51,479,887	481	5,049,124	254
Montana	195	1,421,018	23	195	11,413,665	162	1,444,293	23
Nebraska	147	1,609,462	26	147	(D)	143	1,045,004	62
Nevada	9	(D)	(D)	9	(D)	15	143,052	5
New Hampshire	253	2,243,262	105	253	38,454,012	222	2,013,104	99
New Jersey	633	15,547,899	1,099	631	138,943,748	627	12,442,982	984
New Mexico	82	1,677,782	36	81	10,206,230	83	831,522	45
New York	1,127	18,383,973	855	1,127	187,587,157	1,408	17,428,456	894
North Carolina	711	15,867,143	463	703	211,617,141	767	14,694,714	550
North Dakota	33	365,308	13	33	4,562,957	39	520,348	(D)
Ohio	1,043	19,225,582	632	1,041	196,346,853	1,196	24,215,599	801
Oklahoma	212	2,491,257	254	212	15,744,171	286	3,694,054	126
Oregon	660	9,491,341	801	659	102,969,548	751	7,979,195	431
Pennsylvania	1,252	15,819,145	543	1,249	160,635,687	1,388	19,751,378	663
Rhode Island	136	836,707	57	136	7,112,679	134	1,139,300	54
South Carolina	202	4,295,120	357	202	52,416,895	292	4,368,181	1,201
South Dakota	58	1,775,507	6	58	11,161,830	60	2,362,265	24
Tennessee	491	6,890,009	502	481	55,916,584	762	8,177,923	521
Texas	590	18,741,407	867	589	179,120,813	677	23,276,174	697
Utah	101	3,055,142	99	101	53,537,136	117	4,130,381	58
Vermont	251	1,221,397	123	251	11,968,169	277	1,472,719	102
Virginia	409	7,569,316	320	409	92,137,631	519	6,767,815	415
Washington	514	7,938,980	613	514	102,109,040	688	12,522,663	1,262
West Virginia	186	1,813,629	37	186	9,424,750	206	1,927,878	46
Wisconsin	819	9,952,075	324	819	101,720,701	668	8,404,490	351
Wyoming	26	258,036	(D)	26	3,172,802	28	232,505	(D)
CUT FLOWERS AND CUT FLORIST GREENS								
United States Total								
United States	5,085	174,339,910	25,698	5,056	711,369,050	5,868	230,313,795	33,079
States								
Alabama	29	33,670	(D)	29	(D)	25	290,370	117
Alaska	9	(D)	(D)	9	73,933	8	8,772	4
Arizona	19	876	391	19	(D)	17	500	332
Arkansas	17	(D)	46	17	(D)	19	(D)	13
California	768	38,885,970	8,126	766	412,597,447	1,138	59,770,438	11,527
Colorado	40	(D)	36	40	2,486,299	46	852,948	37
Connecticut	63	206,324	(D)	63	1,132,463	79	207,226	48
Delaware	16	-	18	16	115,000	11	(D)	25
Florida	286	115,110,097	5,318	286	129,406,450	409	142,760,428	8,399
Georgia	24	(D)	28	24	458,520	23	11,524	15
Hawaii	698	8,485,657	1,529	676	25,844,224	718	10,391,404	1,414
Idaho	36	57,952	34	36	(D)	37	101,551	61
Illinois	61	181,760	280	61	2,376,230	50	205,628	201
Indiana	58	(D)	79	58	(D)	73	461,610	85
Iowa	55	(D)	48	55	247,968	48	14,649	79
Kansas	30	26,995	32	30	226,596	25	25,368	34
Kentucky	62	281,746	53	61	1,849,802	38	72,540	25
Louisiana	15	2,565	29	15	(D)	20	572	30
Maine	91	59,855	54	91	821,245	116	76,230	75
Maryland	84	137,181	112	84	1,809,593	95	(D)	181
Massachusetts	111	468,432	(D)	111	4,001,834	165	498,780	204
Michigan	176	175,956	1,628	176	10,403,276	188	251,045	1,926
Minnesota	78	(D)	(D)	78	4,564,557	93	1,035,563	157
Mississippi	12	52,540	9	12	(D)	14	66,960	13
Missouri	38	(D)	36	38	484,327	48	21,659	76
Montana	28	28,940	8	28	136,291	23	13,000	(D)
Nebraska	22	27,510	15	22	147,543	24	28,370	18
Nevada	2	-	(D)	2	(D)	2	-	(D)
New Hampshire	64	(D)	(D)	64	951,551	52	57,315	33
New Jersey	183	298,693	1,403	183	14,584,314	232	706,135	2,156
New Mexico	26	(D)	44	26	(D)	17	(D)	49
New York	224	336,219	470	223	5,605,995	291	657,856	580
North Carolina	129	537,169	274	128	4,233,669	142	567,306	362
North Dakota	2	-	(D)	2	(D)	1	-	(D)
Ohio	146	266,748	159	146	3,947,207	144	1,346,649	216
Oklahoma	24	(D)	20	24	(D)	26	109,978	16
Oregon	278	847,383	1,614	276	19,573,488	370	1,396,596	1,441
Pennsylvania	188	1,192,835	269	188	13,178,581	200	1,159,268	287
Rhode Island	29	(D)	70	29	189,324	18	(D)	27
South Carolina	29	(D)	140	29	523,145	34	14,200	395
South Dakota	6	2,000	(D)	6	8,016	5	(D)	2
Tennessee	56	151,400	54	56	706,359	33	126,516	52
Texas	92	(D)	279	92	(D)	53	(D)	245
Utah	12	(D)	5	12	(D)	24	124,439	41
Vermont	57	(D)	151	57	1,018,584	76	(D)	109
Virginia	104	154,109	213	104	2,902,956	110	220,630	308
Washington	325	991,292	1,785	325	30,003,006	314	1,982,313	1,393
West Virginia	24	13,892	15	24	(D)	31	42,690	18
Wisconsin	158	261,684	(D)	158	4,876,855	140	243,452	240
Wyoming	1	-	(D)	1	(D)	3	(D)	(D)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
FOLIAGE PLANTS, INDOOR								
United States Total								
United States	2,622	139,863,389	4,846	2,593	733,423,833	4,269	183,251,147	8,231
States								
Alabama	51	691,893	(D)	51	3,386,946	103	879,921	35
Alaska	6	(D)	(D)	6	123,255	7	21,620	(D)
Arizona	30	321,110	72	30	10,851,073	34	703,874	38
Arkansas	29	172,332	20	29	1,749,151	41	(D)	24
California	289	12,213,485	778	287	120,065,062	412	19,668,213	872
Colorado	17	59,704	(D)	17	(D)	22	108,690	(D)
Connecticut	22	85,050	(D)	22	1,731,808	19	238,735	4
Delaware	6	40,765	-	6	2,402,104	4	(D)	-
Florida	695	104,087,192	2,166	691	465,720,083	1,000	126,952,319	2,958
Georgia	54	(D)	13	54	1,014,596	119	550,366	53
Hawaii	162	7,401,708	712	142	19,773,809	229	12,574,852	1,346
Idaho	5	(D)	(D)	5	(D)	14	16,735	2
Illinois	36	355,351	(D)	36	5,394,301	31	221,796	22
Indiana	36	334,971	(D)	36	2,622,473	101	1,054,042	20
Iowa	16	63,631	(D)	16	1,517,843	29	122,888	(D)
Kansas	21	187,590	(D)	21	1,887,190	26	203,996	-
Kentucky	42	207,300	(D)	42	668,701	80	355,708	13
Louisiana	35	(D)	(D)	35	2,427,355	92	859,196	48
Maine	20	(D)	(D)	20	(D)	26	25,637	3
Maryland	19	98,693	(D)	19	(D)	38	121,922	16
Massachusetts	31	201,799	(D)	31	754,564	39	491,744	11
Michigan	78	685,871	3	78	2,614,566	95	877,475	26
Minnesota	25	(D)	(D)	25	4,796,953	33	126,432	(D)
Mississippi	34	(D)	(D)	34	(D)	51	293,218	37
Missouri	23	265,444	14	23	2,070,496	57	395,226	92
Montana	11	65,128	-	11	301,051	12	15,378	(D)
Nebraska	11	14,008	2	11	38,750	8	8,022	2
Nevada	1	(D)	(D)	1	(D)	2	-	(D)
New Hampshire	7	70,255	-	7	258,136	13	168,122	(D)
New Jersey	38	329,438	5	38	3,090,196	50	555,332	60
New Mexico	15	(D)	(D)	14	4,816,720	20	325,802	5
New York	83	309,470	5	83	1,944,038	138	463,180	9
North Carolina	76	454,040	7	76	4,744,581	156	585,650	142
North Dakota	1	-	(D)	1	(D)	4	(D)	-
Ohio	58	340,071	13	58	8,056,922	109	790,018	52
Oklahoma	29	266,426	1	29	1,895,673	62	443,272	3
Oregon	47	(D)	14	47	(D)	89	313,942	612
Pennsylvania	83	333,213	(D)	82	3,268,769	151	924,309	(D)
Rhode Island	3	(D)	-	3	(D)	4	(D)	(D)
South Carolina	27	270,393	(D)	27	(D)	69	494,769	98
South Dakota	8	(D)	-	8	353,871	7	304,328	-
Tennessee	56	717,914	7	55	5,736,391	164	636,290	60
Texas	164	(D)	353	164	25,087,552	258	8,574,193	258
Utah	9	(D)	(D)	9	1,240,970	14	172,880	(D)
Vermont	10	(D)	(D)	10	(D)	19	(D)	-
Virginia	15	147,100	4	15	922,771	56	493,484	38
Washington	19	98,400	8	19	2,004,971	81	651,008	181
West Virginia	17	80,046	-	17	702,920	24	47,364	2
Wisconsin	49	301,560	(D)	49	(D)	53	158,512	8
Wyoming	3	(D)	-	3	(D)	4	(D)	-
POTTED FLOWERING PLANTS								
United States Total								
United States	6,287	142,637,616	4,211	6,257	1,239,520,013	8,429	173,130,034	5,419
States								
Alabama	93	2,331,358	220	93	13,691,287	136	2,687,042	79
Alaska	20	73,237	(D)	20	667,699	21	106,320	(D)
Arizona	22	484,568	10	22	(D)	22	489,792	9
Arkansas	44	552,388	24	44	(D)	58	346,725	35
California	418	27,854,763	431	418	289,618,722	579	33,577,771	1,377
Colorado	40	1,617,191	(D)	40	14,278,590	56	2,134,074	(D)
Connecticut	132	2,269,844	89	132	26,149,232	165	2,521,490	146
Delaware	28	148,752	8	28	609,934	24	337,600	19
Florida	451	15,014,660	963	451	142,785,131	493	24,379,655	653
Georgia	91	1,254,557	80	91	12,652,410	180	1,949,979	73
Hawaii	306	5,803,062	88	282	26,282,791	284	5,720,110	95
Idaho	38	258,923	(D)	38	2,937,389	36	401,560	2
Illinois	147	3,648,215	117	147	37,778,804	153	3,010,119	203
Indiana	155	1,702,425	39	155	8,219,644	251	3,642,120	95
Iowa	66	1,030,226	(D)	66	7,869,817	91	1,067,351	(D)
Kansas	39	624,527	(D)	39	5,339,390	62	888,059	5
Kentucky	167	1,357,882	61	167	11,050,328	228	1,806,013	45
Louisiana	68	731,905	110	68	6,624,441	104	1,182,002	45
Maine	91	243,830	11	91	1,856,938	150	436,344	37
Maryland	104	1,814,106	41	104	9,365,981	129	(D)	38
Massachusetts	162	2,070,211	286	162	44,781,951	231	2,416,736	224
Michigan	291	7,554,104	66	291	45,086,155	320	8,820,511	103
Minnesota	66	2,397,740	24	66	15,971,435	107	2,276,722	(D)
Mississippi	64	496,268	84	64	2,579,078	65	545,999	36
Missouri	112	1,015,662	37	112	13,725,659	164	1,423,553	43
Montana	34	91,076	5	34	835,077	24	148,520	(D)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
POTTED FLOWERING PLANTS - Con.								
States - Con.								
Nebraska	32	225,730	2	32	1,351,331	37	278,399	1
Nevada	3	(D)	(D)	3	17,000	4	(D)	(D)
New Hampshire	57	593,261	14	57	10,213,991	65	619,288	(D)
New Jersey	210	3,889,130	159	210	39,649,325	242	3,576,239	241
New Mexico	18	1,875,856	(D)	18	22,213,831	24	(D)	3
New York	358	6,217,704	239	358	30,118,764	514	7,833,394	289
North Carolina	232	4,470,528	68	232	39,786,817	370	9,367,616	272
North Dakota	9	17,020	(D)	9	285,075	9	53,096	(D)
Ohio	299	4,520,582	100	299	38,237,407	405	6,818,842	101
Oklahoma	51	510,606	6	51	(D)	112	870,594	10
Oregon	189	7,176,874	41	189	25,153,827	258	6,573,374	80
Pennsylvania	466	4,531,306	(D)	466	34,175,036	622	8,812,965	(D)
Rhode Island	38	128,121	17	38	1,221,325	39	204,205	(D)
South Carolina	84	1,869,870	120	84	43,996,166	122	1,105,593	68
South Dakota	18	(D)	(D)	18	2,812,955	13	(D)	2
Tennessee	172	2,769,386	56	168	12,735,945	287	2,746,013	90
Texas	261	13,154,321	307	260	117,482,233	358	(D)	333
Utah	32	1,851,348	(D)	32	16,730,437	41	2,081,172	(D)
Vermont	55	188,124	10	55	1,317,878	40	156,698	7
Virginia	102	1,977,661	35	102	19,287,297	221	3,420,407	67
Washington	108	1,478,459	23	107	7,903,708	229	2,675,806	93
West Virginia	62	352,789	(D)	62	2,083,533	75	397,498	6
Wisconsin	177	2,195,547	3	177	15,186,067	203	3,138,661	46
Wyoming	5	(D)	(D)	5	106,008	6	(D)	-
OTHER FLORICULTURE AND BEDDING CROPS (SEE TEXT)								
United States Total								
United States	306	2,049,043	794	301	18,939,800	(NA)	(NA)	(NA)
States								
Alabama	5	138,922	(D)	5	(D)	(NA)	(NA)	(NA)
Arizona	4	-	16	4	(D)	(NA)	(NA)	(NA)
Arkansas	5	(D)	-	5	(D)	(NA)	(NA)	(NA)
California	27	91,808	81	27	2,285,003	(NA)	(NA)	(NA)
Colorado	5	(D)	(D)	5	(D)	(NA)	(NA)	(NA)
Connecticut	3	3,800	-	3	17,500	(NA)	(NA)	(NA)
Delaware	1	(D)	-	1	(D)	(NA)	(NA)	(NA)
Florida	26	512,901	26	26	522,929	(NA)	(NA)	(NA)
Georgia	6	(D)	19	6	308,582	(NA)	(NA)	(NA)
Hawaii	17	16,244	10	14	179,238	(NA)	(NA)	(NA)
Idaho	3	(D)	(D)	3	(D)	(NA)	(NA)	(NA)
Illinois	9	25,300	(D)	9	204,412	(NA)	(NA)	(NA)
Indiana	2	(D)	(D)	2	(D)	(NA)	(NA)	(NA)
Iowa	5	(D)	(D)	5	67,399	(NA)	(NA)	(NA)
Kentucky	8	43,412	(D)	8	269,473	(NA)	(NA)	(NA)
Louisiana	5	(D)	(D)	5	(D)	(NA)	(NA)	(NA)
Maine	3	(D)	(D)	3	(D)	(NA)	(NA)	(NA)
Maryland	3	-	(D)	3	(D)	(NA)	(NA)	(NA)
Massachusetts	7	88,585	(D)	7	125,260	(NA)	(NA)	(NA)
Michigan	12	131,410	4	12	395,580	(NA)	(NA)	(NA)
Minnesota	3	(D)	(D)	3	13,082	(NA)	(NA)	(NA)
Mississippi	2	(D)	(D)	2	(D)	(NA)	(NA)	(NA)
Missouri	9	(D)	22	9	245,452	(NA)	(NA)	(NA)
Nevada	1	(D)	-	1	(D)	(NA)	(NA)	(NA)
New Hampshire	3	(D)	(D)	3	5,300	(NA)	(NA)	(NA)
New Mexico	6	9,800	(D)	6	(D)	(NA)	(NA)	(NA)
New York	21	182,931	29	20	662,685	(NA)	(NA)	(NA)
North Carolina	19	8,341	23	19	288,593	(NA)	(NA)	(NA)
Ohio	5	78,040	-	5	590,800	(NA)	(NA)	(NA)
Oklahoma	1	(D)	-	1	(D)	(NA)	(NA)	(NA)
Oregon	18	(D)	107	18	(D)	(NA)	(NA)	(NA)
Pennsylvania	12	160,934	(D)	12	3,200,256	(NA)	(NA)	(NA)
Rhode Island	4	(D)	2	4	(D)	(NA)	(NA)	(NA)
South Carolina	3	(D)	(D)	3	(D)	(NA)	(NA)	(NA)
Tennessee	9	79,680	1	9	252,487	(NA)	(NA)	(NA)
Texas	12	6,300	50	12	(D)	(NA)	(NA)	(NA)
Utah	1	(D)	-	1	(D)	(NA)	(NA)	(NA)
Vermont	3	(D)	(D)	3	(D)	(NA)	(NA)	(NA)
Virginia	6	24,500	1	6	211,563	(NA)	(NA)	(NA)
Washington	10	54,518	93	9	777,808	(NA)	(NA)	(NA)
West Virginia	1	-	(D)	1	(D)	(NA)	(NA)	(NA)
Wisconsin	1	-	(D)	1	(D)	(NA)	(NA)	(NA)
FLOWER SEEDS								
United States Total								
United States	500	319,577	9,709	491	35,995,358	681	1,187,990	8,256
States								
Alabama	5	420	(D)	3	(D)	2	(D)	(D)
Alaska	2	(D)	(D)	2	(D)	2	(D)	-
Arizona	3	-	45	3	417,000	12	(D)	(D)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
FLOWER SEEDS - Con.								
States - Con.								
Arkansas	5	8,100	(D)	5	2,780	5	(D)	(D)
California	29	23,984	1,065	29	13,557,218	47	390,262	1,636
Colorado	18	(D)	161	18	509,608	10	(D)	81
Connecticut	2	-	(D)	2	(D)	6	1,706	(D)
Delaware	-	-	-	-	-	2	(D)	-
Florida	12	(D)	41	12	60,180	22	5,288	49
Georgia	7	1,500	2	7	(D)	11	15,578	(D)
Hawaii	-	-	-	-	-	1	-	(D)
Idaho	4	-	(D)	4	127,544	4	-	8
Illinois	16	8,488	256	16	(D)	14	(D)	243
Indiana	6	(D)	(Z)	6	3,760	7	(D)	(D)
Iowa	26	13,789	2,233	25	3,000,858	16	7,957	(D)
Kansas	3	(D)	(D)	3	1,832	-	-	-
Kentucky	20	12,452	16	20	41,490	10	3,120	12
Louisiana	2	(D)	(D)	2	(D)	1	-	(D)
Maine	7	11,800	(D)	6	43,980	18	16,625	(D)
Maryland	4	(D)	2	4	3,870	8	(D)	(D)
Massachusetts	7	10,180	(D)	7	(D)	12	32,348	2
Michigan	19	54,254	64	15	188,756	26	170,624	39
Minnesota	17	(D)	689	17	805,440	24	(D)	533
Mississippi	4	340	(D)	4	3,748	2	(D)	(D)
Missouri	17	(D)	178	17	315,160	12	(D)	(D)
Montana	6	900	(Z)	6	2,480	9	1,800	2
Nebraska	7	1,775	(D)	7	12,475	6	11,678	(D)
Nevada	1	-	(D)	1	(D)	1	-	(D)
New Hampshire	1	(D)	-	1	(D)	8	1,950	(D)
New Jersey	4	8,100	-	4	30,300	17	(D)	3
New Mexico	6	(D)	1	5	(D)	4	(D)	(D)
New York	21	6,561	15	21	79,088	34	85,760	(D)
North Carolina	16	7,100	9	16	90,026	24	29,534	(D)
North Dakota	-	-	-	-	-	1	-	(D)
Ohio	15	11,350	8	15	42,660	16	25,288	5
Oklahoma	7	(D)	396	7	713,300	2	-	(D)
Oregon	46	5,200	1,982	46	3,416,865	60	8,683	1,082
Pennsylvania	9	(D)	(D)	9	(D)	39	59,292	130
Rhode Island	6	10,032	-	6	(D)	2	(D)	-
South Carolina	9	3,300	17	9	34,300	18	9,816	4
South Dakota	3	(D)	(D)	3	(D)	2	-	(D)
Tennessee	14	6,562	4	14	21,726	11	1,200	4
Texas	22	918	896	22	(D)	40	13,886	(D)
Utah	5	-	8	5	11,380	9	(D)	4
Vermont	4	(D)	-	4	200,200	8	(D)	4
Virginia	8	(D)	17	8	32,610	7	1,584	(D)
Washington	22	139	(D)	22	315,594	38	31,028	1,150
West Virginia	3	900	-	3	1,200	15	9,863	(D)
Wisconsin	28	7,800	623	28	1,718,916	34	8,285	672
Wyoming	2	(D)	(D)	2	(D)	2	(D)	-
GREENHOUSE FRUITS AND BERRIES (SEE TEXT)								
United States Total								
United States	249	(D)	(X)	244	11,422,793	(NA)	(NA)	(NA)
States								
Alabama	2	(D)	(X)	2	(D)	(NA)	(NA)	(NA)
Arizona	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)
Arkansas	5	(D)	(X)	5	5,200	(NA)	(NA)	(NA)
California	13	(D)	(X)	13	(D)	(NA)	(NA)	(NA)
Colorado	4	683	(X)	4	1,025	(NA)	(NA)	(NA)
Connecticut	4	31,834	(X)	4	7,656	(NA)	(NA)	(NA)
Delaware	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)
Florida	17	593,323	(X)	17	(D)	(NA)	(NA)	(NA)
Georgia	8	5,066	(X)	8	7,600	(NA)	(NA)	(NA)
Hawaii	4	3,796	(X)	3	1,944	(NA)	(NA)	(NA)
Idaho	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)
Illinois	2	(D)	(X)	2	(D)	(NA)	(NA)	(NA)
Indiana	2	(D)	(X)	2	(D)	(NA)	(NA)	(NA)
Iowa	4	5,480	(X)	4	12,470	(NA)	(NA)	(NA)
Kentucky	6	8,000	(X)	6	12,000	(NA)	(NA)	(NA)
Maine	9	6,682	(X)	9	7,823	(NA)	(NA)	(NA)
Maryland	8	160,036	(X)	8	(D)	(NA)	(NA)	(NA)
Massachusetts	4	(D)	(X)	4	(D)	(NA)	(NA)	(NA)
Michigan	14	32,642	(X)	13	33,227	(NA)	(NA)	(NA)
Minnesota	8	9,740	(X)	8	14,710	(NA)	(NA)	(NA)
Mississippi	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)
Missouri	11	24,500	(X)	11	25,870	(NA)	(NA)	(NA)
Montana	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)
Nebraska	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)
New Hampshire	3	(D)	(X)	3	(D)	(NA)	(NA)	(NA)
New Jersey	5	(D)	(X)	5	(D)	(NA)	(NA)	(NA)
New Mexico	6	2,458	(X)	6	3,692	(NA)	(NA)	(NA)
New York	8	25,965	(X)	8	(D)	(NA)	(NA)	(NA)
North Carolina	8	9,290	(X)	8	23,495	(NA)	(NA)	(NA)
Ohio	7	5,812	(X)	7	8,214	(NA)	(NA)	(NA)
Oklahoma	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
GREENHOUSE FRUITS AND BERRIES (SEE TEXT) - Con.								
States - Con.								
Oregon	17	279,808	(X)	17	1,572,247	(NA)	(NA)	(NA)
Pennsylvania	15	107,928	(X)	15	159,092	(NA)	(NA)	(NA)
Rhode Island	1	(D)	(X)	1	(D)	(NA)	(NA)	(NA)
South Carolina	2	(D)	(X)	2	(D)	(NA)	(NA)	(NA)
Tennessee	3	(D)	(X)	3	(D)	(NA)	(NA)	(NA)
Texas	11	13,050	(X)	11	19,575	(NA)	(NA)	(NA)
Vermont	4	17,400	(X)	4	26,100	(NA)	(NA)	(NA)
Virginia	6	17,764	(X)	6	26,646	(NA)	(NA)	(NA)
Washington	14	4,966	(X)	11	6,549	(NA)	(NA)	(NA)
Wisconsin	7	19,752	(X)	7	28,927	(NA)	(NA)	(NA)
TOTAL GREENHOUSE VEGETABLES AND FRESH CUT HERBS (SEE TEXT)								
United States Total								
United States	4,075	61,765,935	(X)	4,056	553,034,688	3,416	64,364,430	(X)
States								
Alabama	30	251,739	(X)	30	1,954,022	21	880,022	(X)
Alaska	40	155,273	(X)	40	992,504	38	153,609	(X)
Arizona	26	(D)	(X)	26	(D)	39	8,248,203	(X)
Arkansas	31	46,434	(X)	31	353,481	15	72,324	(X)
California	182	12,924,882	(X)	181	112,284,392	234	16,455,074	(X)
Colorado	63	(D)	(X)	63	(D)	51	4,190,906	(X)
Connecticut	80	475,394	(X)	80	(D)	64	476,342	(X)
Delaware	19	90,652	(X)	19	691,650	8	23,680	(X)
Florida	81	2,783,850	(X)	77	(D)	83	3,327,935	(X)
Georgia	44	285,525	(X)	43	2,238,414	31	190,200	(X)
Hawaii	96	(D)	(X)	91	10,062,567	60	860,304	(X)
Idaho	32	131,993	(X)	32	824,029	39	62,288	(X)
Illinois	82	422,871	(X)	82	3,281,100	45	601,790	(X)
Indiana	91	627,344	(X)	90	4,761,836	49	384,632	(X)
Iowa	106	910,479	(X)	106	7,570,534	41	(D)	(X)
Kansas	46	407,482	(X)	46	3,557,771	28	271,403	(X)
Kentucky	118	498,218	(X)	118	3,704,534	69	501,082	(X)
Louisiana	20	105,660	(X)	20	676,200	34	352,437	(X)
Maine	125	1,289,335	(X)	125	(D)	145	292,222	(X)
Maryland	72	300,598	(X)	72	1,947,783	38	265,242	(X)
Massachusetts	120	577,141	(X)	120	(D)	111	707,229	(X)
Michigan	170	782,938	(X)	170	2,707,450	111	1,057,297	(X)
Minnesota	92	1,425,980	(X)	92	14,743,607	61	944,479	(X)
Mississippi	36	238,544	(X)	36	1,440,580	21	95,252	(X)
Missouri	148	467,591	(X)	148	3,705,812	81	529,076	(X)
Montana	46	119,058	(X)	46	957,064	30	100,577	(X)
Nebraska	32	118,698	(X)	32	1,466,345	28	792,968	(X)
Nevada	5	2,962	(X)	5	22,926	3	(D)	(X)
New Hampshire	74	207,520	(X)	74	(D)	57	197,925	(X)
New Jersey	48	332,710	(X)	47	2,487,862	39	472,680	(X)
New Mexico	45	76,098	(X)	45	750,397	17	61,511	(X)
New York	201	3,039,549	(X)	201	17,706,164	212	2,861,826	(X)
North Carolina	160	627,001	(X)	157	5,196,062	125	1,218,074	(X)
North Dakota	8	34,806	(X)	8	264,089	9	(D)	(X)
Ohio	183	625,693	(X)	183	4,021,654	139	1,151,891	(X)
Oklahoma	49	232,866	(X)	48	1,442,671	30	151,974	(X)
Oregon	132	711,275	(X)	132	5,857,898	180	1,619,419	(X)
Pennsylvania	323	1,818,817	(X)	322	23,698,996	274	2,367,107	(X)
Rhode Island	28	348,921	(X)	28	(D)	21	144,763	(X)
South Carolina	24	53,995	(X)	24	1,100,882	20	138,960	(X)
South Dakota	21	32,880	(X)	21	117,245	13	37,998	(X)
Tennessee	101	613,262	(X)	100	2,485,354	116	639,523	(X)
Texas	103	(D)	(X)	103	(D)	90	6,241,515	(X)
Utah	23	104,284	(X)	23	357,520	18	(D)	(X)
Vermont	111	425,083	(X)	111	3,951,342	98	476,602	(X)
Virginia	76	(D)	(X)	76	(D)	52	1,754,889	(X)
Washington	163	495,725	(X)	163	5,473,535	195	969,301	(X)
West Virginia	28	188,580	(X)	28	1,511,977	22	89,131	(X)
Wisconsin	132	621,727	(X)	132	3,269,176	108	750,242	(X)
Wyoming	9	41,940	(X)	9	291,067	3	(D)	(X)
GREENHOUSE TOMATOES (SEE TEXT)								
United States Total								
United States	2,926	43,949,871	(X)	2,919	393,783,610	(NA)	(NA)	(NA)
States								
Alabama	26	79,039	(X)	26	705,046	(NA)	(NA)	(NA)
Alaska	30	107,262	(X)	30	684,900	(NA)	(NA)	(NA)
Arizona	8	(D)	(X)	8	(D)	(NA)	(NA)	(NA)
Arkansas	21	35,982	(X)	21	269,865	(NA)	(NA)	(NA)
California	81	6,008,943	(X)	81	51,016,867	(NA)	(NA)	(NA)
Colorado	45	(D)	(X)	45	(D)	(NA)	(NA)	(NA)
Connecticut	60	222,742	(X)	60	(D)	(NA)	(NA)	(NA)
Delaware	18	67,136	(X)	18	503,522	(NA)	(NA)	(NA)
Florida	21	609,940	(X)	21	(D)	(NA)	(NA)	(NA)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
GREENHOUSE TOMATOES (SEE TEXT) - Con.								
States - Con.								
Georgia	28	58,732	(X)	27	319,840	(NA)	(NA)	(NA)
Hawaii	33	873,449	(X)	33	6,477,757	(NA)	(NA)	(NA)
Idaho	23	81,081	(X)	23	525,358	(NA)	(NA)	(NA)
Illinois	58	227,086	(X)	58	1,539,996	(NA)	(NA)	(NA)
Indiana	59	247,995	(X)	58	1,727,364	(NA)	(NA)	(NA)
Iowa	90	281,819	(X)	90	1,681,864	(NA)	(NA)	(NA)
Kansas	30	130,870	(X)	30	756,525	(NA)	(NA)	(NA)
Kentucky	90	366,191	(X)	90	2,726,997	(NA)	(NA)	(NA)
Louisiana	19	98,110	(X)	19	(D)	(NA)	(NA)	(NA)
Maine	104	1,173,913	(X)	104	(D)	(NA)	(NA)	(NA)
Maryland	55	231,594	(X)	55	1,556,451	(NA)	(NA)	(NA)
Massachusetts	93	412,744	(X)	93	(D)	(NA)	(NA)	(NA)
Michigan	127	471,665	(X)	127	1,206,121	(NA)	(NA)	(NA)
Minnesota	72	1,187,382	(X)	72	12,840,573	(NA)	(NA)	(NA)
Mississippi	31	202,745	(X)	31	1,154,188	(NA)	(NA)	(NA)
Missouri	126	402,971	(X)	126	2,769,558	(NA)	(NA)	(NA)
Montana	35	57,101	(X)	35	423,158	(NA)	(NA)	(NA)
Nebraska	27	73,484	(X)	27	400,735	(NA)	(NA)	(NA)
Nevada	4	(D)	(X)	4	(D)	(NA)	(NA)	(NA)
New Hampshire	61	177,322	(X)	61	(D)	(NA)	(NA)	(NA)
New Jersey	28	162,305	(X)	27	1,186,498	(NA)	(NA)	(NA)
New Mexico	26	39,554	(X)	26	254,505	(NA)	(NA)	(NA)
New York	145	2,766,251	(X)	145	15,448,816	(NA)	(NA)	(NA)
North Carolina	127	471,353	(X)	125	2,243,302	(NA)	(NA)	(NA)
North Dakota	8	(D)	(X)	8	(D)	(NA)	(NA)	(NA)
Ohio	136	357,958	(X)	136	2,550,384	(NA)	(NA)	(NA)
Oklahoma	43	129,514	(X)	42	960,855	(NA)	(NA)	(NA)
Oregon	87	354,178	(X)	87	2,344,098	(NA)	(NA)	(NA)
Pennsylvania	248	1,390,317	(X)	247	15,406,189	(NA)	(NA)	(NA)
Rhode Island	15	252,864	(X)	15	(D)	(NA)	(NA)	(NA)
South Carolina	18	32,826	(X)	18	(D)	(NA)	(NA)	(NA)
South Dakota	16	23,890	(X)	16	86,325	(NA)	(NA)	(NA)
Tennessee	78	429,897	(X)	78	1,797,772	(NA)	(NA)	(NA)
Texas	72	(D)	(X)	72	(D)	(NA)	(NA)	(NA)
Utah	16	90,654	(X)	16	250,355	(NA)	(NA)	(NA)
Vermont	98	309,161	(X)	98	2,925,836	(NA)	(NA)	(NA)
Virginia	51	(D)	(X)	51	5,984,866	(NA)	(NA)	(NA)
Washington	122	309,555	(X)	122	1,934,663	(NA)	(NA)	(NA)
West Virginia	21	162,860	(X)	21	1,304,177	(NA)	(NA)	(NA)
Wisconsin	88	326,530	(X)	88	1,347,547	(NA)	(NA)	(NA)
Wyoming	8	29,860	(X)	8	203,950	(NA)	(NA)	(NA)
OTHER GREENHOUSE VEGETABLES AND FRESH CUT HERBS (SEE TEXT)								
United States Total								
United States	2,032	17,816,064	(X)	2,015	159,251,078	(NA)	(NA)	(NA)
States								
Alabama	12	172,700	(X)	12	1,248,976	(NA)	(NA)	(NA)
Alaska	28	48,011	(X)	27	307,604	(NA)	(NA)	(NA)
Arizona	22	(D)	(X)	22	(D)	(NA)	(NA)	(NA)
Arkansas	13	10,452	(X)	13	83,616	(NA)	(NA)	(NA)
California	140	6,915,939	(X)	139	61,267,525	(NA)	(NA)	(NA)
Colorado	42	84,050	(X)	42	1,360,857	(NA)	(NA)	(NA)
Connecticut	37	252,652	(X)	37	5,756,252	(NA)	(NA)	(NA)
Delaware	7	23,516	(X)	7	188,128	(NA)	(NA)	(NA)
Florida	63	2,173,910	(X)	59	15,539,442	(NA)	(NA)	(NA)
Georgia	29	226,793	(X)	28	1,918,574	(NA)	(NA)	(NA)
Hawaii	71	(D)	(X)	66	3,584,810	(NA)	(NA)	(NA)
Idaho	16	50,912	(X)	16	298,671	(NA)	(NA)	(NA)
Illinois	44	195,785	(X)	44	1,741,104	(NA)	(NA)	(NA)
Indiana	36	379,349	(X)	35	3,034,472	(NA)	(NA)	(NA)
Iowa	46	628,660	(X)	46	5,888,670	(NA)	(NA)	(NA)
Kansas	23	276,612	(X)	23	2,801,246	(NA)	(NA)	(NA)
Kentucky	43	132,027	(X)	43	977,537	(NA)	(NA)	(NA)
Louisiana	5	7,550	(X)	5	(D)	(NA)	(NA)	(NA)
Maine	53	115,422	(X)	53	844,840	(NA)	(NA)	(NA)
Maryland	33	69,004	(X)	33	391,332	(NA)	(NA)	(NA)
Massachusetts	58	164,397	(X)	58	2,255,185	(NA)	(NA)	(NA)
Michigan	84	311,273	(X)	84	1,501,329	(NA)	(NA)	(NA)
Minnesota	41	238,598	(X)	41	1,903,034	(NA)	(NA)	(NA)
Mississippi	11	35,799	(X)	11	286,392	(NA)	(NA)	(NA)
Missouri	34	64,620	(X)	34	936,254	(NA)	(NA)	(NA)
Montana	31	61,957	(X)	31	533,906	(NA)	(NA)	(NA)
Nebraska	14	45,214	(X)	14	1,065,610	(NA)	(NA)	(NA)
Nevada	3	(D)	(X)	3	(D)	(NA)	(NA)	(NA)
New Hampshire	25	30,198	(X)	25	218,924	(NA)	(NA)	(NA)
New Jersey	26	170,405	(X)	25	1,301,364	(NA)	(NA)	(NA)
New Mexico	31	36,544	(X)	31	495,892	(NA)	(NA)	(NA)
New York	94	273,298	(X)	94	2,257,348	(NA)	(NA)	(NA)
North Carolina	65	155,648	(X)	64	2,952,760	(NA)	(NA)	(NA)
North Dakota	3	(D)	(X)	3	(D)	(NA)	(NA)	(NA)
Ohio	77	267,735	(X)	77	1,471,270	(NA)	(NA)	(NA)
Oklahoma	26	103,352	(X)	26	481,816	(NA)	(NA)	(NA)
Oregon	92	357,097	(X)	92	3,513,800	(NA)	(NA)	(NA)
Pennsylvania	132	428,500	(X)	131	8,292,807	(NA)	(NA)	(NA)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
OTHER GREENHOUSE VEGETABLES AND FRESH CUT HERBS (SEE TEXT) - Con.								
States - Con.								
Rhode Island	18	96,057	(X)	18	333,356	(NA)	(NA)	(NA)
South Carolina	11	21,169	(X)	11	(D)	(NA)	(NA)	(NA)
South Dakota	9	8,990	(X)	9	30,920	(NA)	(NA)	(NA)
Tennessee	36	183,365	(X)	35	687,582	(NA)	(NA)	(NA)
Texas	57	574,504	(X)	57	3,033,254	(NA)	(NA)	(NA)
Utah	11	13,630	(X)	11	107,165	(NA)	(NA)	(NA)
Vermont	58	115,922	(X)	58	1,025,506	(NA)	(NA)	(NA)
Virginia	51	134,369	(X)	51	(D)	(NA)	(NA)	(NA)
Washington	88	186,170	(X)	88	3,538,872	(NA)	(NA)	(NA)
West Virginia	12	25,720	(X)	12	207,800	(NA)	(NA)	(NA)
Wisconsin	66	295,197	(X)	66	1,921,629	(NA)	(NA)	(NA)
Wyoming	5	12,080	(X)	5	87,117	(NA)	(NA)	(NA)
MUSHROOMS (SEE TEXT)								
United States Total								
United States	462	45,308,740	(X)	460	985,295,349	462	48,339,412	(X)
States								
Alabama	1	(D)	(X)	1	(D)	2	(D)	(X)
Alaska	1	(D)	(X)	1	(D)	-	-	(X)
Arizona	-	-	(X)	-	-	2	(D)	(X)
Arkansas	5	59,420	(X)	5	(D)	10	240,042	(X)
California	55	5,483,804	(X)	53	223,457,225	78	9,250,637	(X)
Colorado	5	(D)	(X)	5	(D)	1	(D)	(X)
Connecticut	3	(D)	(X)	3	(D)	3	(D)	(X)
Delaware	3	(D)	(X)	3	(D)	3	(D)	(X)
Florida	12	(D)	(X)	12	(D)	13	(D)	(X)
Georgia	1	(D)	(X)	1	(D)	-	-	(X)
Hawaii	3	(D)	(X)	3	(D)	3	(D)	(X)
Idaho	-	-	(X)	-	-	1	(D)	(X)
Illinois	6	(D)	(X)	6	(D)	3	(D)	(X)
Indiana	2	(D)	(X)	2	(D)	5	(D)	(X)
Iowa	-	-	(X)	-	-	3	(D)	(X)
Kansas	2	(D)	(X)	2	(D)	-	-	(X)
Kentucky	27	(D)	(X)	27	342,891	19	61,446	(X)
Louisiana	2	(D)	(X)	2	(D)	1	(D)	(X)
Maine	2	(D)	(X)	2	(D)	5	(D)	(X)
Maryland	4	(D)	(X)	4	(D)	7	(D)	(X)
Massachusetts	6	(D)	(X)	6	99,419	4	(D)	(X)
Michigan	7	(D)	(X)	7	26,858	4	(D)	(X)
Minnesota	5	(D)	(X)	5	(D)	6	121,542	(X)
Mississippi	1	(D)	(X)	1	(D)	1	(D)	(X)
Missouri	11	10,482	(X)	11	203,924	8	149,172	(X)
Montana	2	(D)	(X)	2	(D)	5	(D)	(X)
Nevada	1	(D)	(X)	1	(D)	-	-	(X)
New Hampshire	2	(D)	(X)	2	(D)	2	(D)	(X)
New Jersey	2	(D)	(X)	2	(D)	4	133,560	(X)
New Mexico	3	1,800	(X)	3	47,000	3	740	(X)
New York	12	69,517	(X)	12	238,021	15	332,086	(X)
North Carolina	60	2,121	(X)	60	108,609	11	98,179	(X)
Ohio	7	19,034	(X)	7	225,240	11	23,179	(X)
Oklahoma	4	(D)	(X)	4	(D)	2	(D)	(X)
Oregon	25	427,516	(X)	25	10,303,278	44	1,050,054	(X)
Pennsylvania	95	18,990,506	(X)	95	486,672,248	102	18,966,736	(X)
Rhode Island	4	3,060	(X)	4	(D)	-	-	(X)
South Carolina	5	1,337	(X)	5	(D)	5	113,456	(X)
Tennessee	5	(D)	(X)	5	(D)	8	(D)	(X)
Texas	4	(D)	(X)	4	(D)	4	(D)	(X)
Utah	1	(D)	(X)	1	(D)	1	(D)	(X)
Vermont	5	10,585	(X)	5	41,366	4	(D)	(X)
Virginia	19	27,125	(X)	19	808,140	12	61,790	(X)
Washington	15	(D)	(X)	15	(D)	16	416,945	(X)
West Virginia	10	2,690	(X)	10	15,694	13	87,024	(X)
Wisconsin	17	89,636	(X)	17	2,057,661	18	154,286	(X)
MUSHROOM SPAWN								
United States Total								
United States	16	(X)	(X)	16	33,919,494	(NA)	(NA)	(NA)
States								
Arkansas	1	(X)	(X)	1	(D)	(NA)	(NA)	(NA)
California	2	(X)	(X)	2	(D)	(NA)	(NA)	(NA)
New Jersey	1	(X)	(X)	1	(D)	(NA)	(NA)	(NA)
New York	2	(X)	(X)	2	(D)	(NA)	(NA)	(NA)
North Carolina	3	(X)	(X)	3	6,000	(NA)	(NA)	(NA)
Pennsylvania	3	(X)	(X)	3	(D)	(NA)	(NA)	(NA)
West Virginia	2	(X)	(X)	2	(D)	(NA)	(NA)	(NA)
Wisconsin	2	(X)	(X)	2	(D)	(NA)	(NA)	(NA)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
NURSERY STOCK								
United States Total								
United States	22,407	221,813,698	446,496	22,130	6,568,562,723	24,975	187,765,579	463,631
States								
Alabama	307	6,151,997	6,758	306	99,704,294	372	8,931,841	7,360
Alaska	43	(D)	60	43	1,760,976	35	15,800	(D)
Arizona	155	7,039,293	6,939	154	198,590,309	225	3,517,233	8,644
Arkansas	123	316,424	1,152	123	(D)	104	428,922	886
California	1,655	25,179,297	31,889	1,626	1,682,234,080	1,807	31,574,891	32,583
Colorado	304	338,686	6,350	304	72,639,390	247	(D)	3,992
Connecticut	207	724,212	4,245	206	115,607,170	192	189,336	4,911
Delaware	47	(D)	541	47	4,750,748	55	(D)	1,190
Florida	3,184	68,835,482	45,134	3,139	844,297,935	2,716	30,220,544	36,936
Georgia	501	3,633,707	7,991	499	125,233,223	578	4,928,904	8,438
Hawaii	532	883,390	1,137	473	23,275,977	274	982,759	805
Idaho	318	86,783	5,620	312	43,755,169	274	116,126	4,248
Illinois	531	1,521,246	20,703	531	166,185,949	572	1,877,325	21,112
Indiana	291	709,958	5,226	291	40,947,480	442	470,108	8,210
Iowa	154	29,885	1,875	148	11,780,934	201	144,585	2,509
Kansas	136	85,754	2,057	136	22,920,957	109	464,075	1,969
Kentucky	332	1,096,239	3,951	332	23,635,510	413	759,618	5,422
Louisiana	298	2,606,983	3,240	297	58,954,819	380	2,529,427	4,757
Maine	145	95,166	1,057	144	6,873,044	139	101,729	(D)
Maryland	261	3,735,094	10,689	261	97,446,286	311	5,050,345	8,488
Massachusetts	210	247,335	1,856	208	40,603,603	196	98,049	2,028
Michigan	813	9,803,292	16,095	768	131,403,626	928	10,017,485	22,018
Minnesota	363	281,494	7,917	360	72,491,156	433	96,191	11,777
Mississippi	208	760,614	1,525	208	16,972,224	152	406,933	1,067
Missouri	247	361,882	4,237	245	25,335,095	312	466,791	4,625
Montana	149	117,056	1,204	149	11,010,816	141	78,742	1,397
Nebraska	183	136,355	1,858	183	(D)	165	301,052	3,026
Nevada	20	68,652	519	18	(D)	17	(D)	(D)
New Hampshire	85	59,640	497	85	12,845,908	73	11,200	(D)
New Jersey	972	7,823,616	21,328	967	185,288,767	1,087	3,750,480	20,579
New Mexico	80	346,082	959	80	12,691,450	112	(D)	1,075
New York	697	906,523	14,638	694	101,095,581	858	535,199	15,924
North Carolina	1,250	4,824,577	23,333	1,242	251,810,276	1,466	5,220,882	18,423
North Dakota	33	(D)	376	33	(D)	31	-	(D)
Ohio	873	10,271,927	21,968	873	173,843,270	1,267	4,229,895	26,963
Oklahoma	134	4,756,192	3,469	134	105,602,907	181	(D)	4,093
Oregon	1,479	15,740,936	41,088	1,467	757,363,416	1,686	23,467,850	37,312
Pennsylvania	947	9,408,134	24,303	919	108,089,720	1,260	9,107,339	31,351
Rhode Island	84	395,664	1,286	84	16,259,497	62	201,368	1,237
South Carolina	314	1,490,449	7,341	314	91,395,683	396	3,546,914	(D)
South Dakota	60	38,583	507	60	3,291,488	60	(D)	507
Tennessee	793	4,599,100	33,485	790	177,221,588	1,346	4,390,778	38,953
Texas	936	13,244,638	16,958	934	291,849,180	1,014	8,049,504	13,719
Utah	100	103,102	640	100	(D)	93	126,820	542
Vermont	110	54,210	437	110	5,268,772	76	3,406	318
Virginia	392	5,711,566	11,955	388	96,564,870	524	2,986,186	11,062
Washington	585	6,289,714	7,086	585	106,107,571	805	9,366,789	9,940
West Virginia	110	106,280	709	106	(D)	143	(D)	698
Wisconsin	637	288,909	12,177	635	81,692,285	624	855,033	14,334
Wyoming	19	15,300	131	19	1,274,767	21	(D)	(D)
OTHER NURSERY CROPS (SEE TEXT)								
United States Total								
United States	707	1,431,170	3,628	693	48,475,835	(NA)	(NA)	(NA)
States								
Alabama	12	6,000	(D)	12	2,159,202	(NA)	(NA)	(NA)
Arizona	9	117,000	7	9	381,598	(NA)	(NA)	(NA)
Arkansas	5	(D)	47	5	611,470	(NA)	(NA)	(NA)
California	79	154,166	294	78	7,207,180	(NA)	(NA)	(NA)
Colorado	8	5,828	18	7	583,670	(NA)	(NA)	(NA)
Connecticut	6	(D)	55	6	(D)	(NA)	(NA)	(NA)
Delaware	8	(D)	4	8	42,726	(NA)	(NA)	(NA)
Florida	67	89,750	269	67	3,386,154	(NA)	(NA)	(NA)
Georgia	14	36,822	91	14	1,603,260	(NA)	(NA)	(NA)
Hawaii	44	39,140	59	41	(D)	(NA)	(NA)	(NA)
Idaho	6	(D)	(D)	6	(D)	(NA)	(NA)	(NA)
Illinois	17	(D)	27	17	326,728	(NA)	(NA)	(NA)
Indiana	16	54,060	17	16	(D)	(NA)	(NA)	(NA)
Iowa	7	(D)	36	7	305,732	(NA)	(NA)	(NA)
Kansas	6	(D)	6	6	(D)	(NA)	(NA)	(NA)
Kentucky	18	24,000	128	18	1,126,574	(NA)	(NA)	(NA)
Louisiana	3	(D)	(D)	3	(D)	(NA)	(NA)	(NA)
Maine	10	(D)	14	10	147,525	(NA)	(NA)	(NA)
Maryland	5	(D)	2	5	29,750	(NA)	(NA)	(NA)
Massachusetts	9	1,950	(D)	9	85,978	(NA)	(NA)	(NA)
Michigan	15	9,140	20	13	118,780	(NA)	(NA)	(NA)
Minnesota	14	34,400	19	14	(D)	(NA)	(NA)	(NA)
Mississippi	8	-	53	8	691,500	(NA)	(NA)	(NA)
Missouri	12	10,733	7	12	196,764	(NA)	(NA)	(NA)
Montana	1	-	(D)	1	(D)	(NA)	(NA)	(NA)
New Hampshire	3	(D)	(D)	3	7,600	(NA)	(NA)	(NA)

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
OTHER NURSERY CROPS (SEE TEXT) - Con.								
States - Con.								
New Jersey	1	(D)	-	1	(D)	(NA)	(NA)	(NA)
New Mexico	5	(D)	4	5	14,618	(NA)	(NA)	(NA)
New York	35	109,506	149	35	3,562,384	(NA)	(NA)	(NA)
North Carolina	24	18,690	102	24	940,216	(NA)	(NA)	(NA)
Ohio	12	45,040	10	12	699,869	(NA)	(NA)	(NA)
Oklahoma	6	7,100	6	6	172,412	(NA)	(NA)	(NA)
Oregon	38	17,212	77	37	816,102	(NA)	(NA)	(NA)
Pennsylvania	27	(D)	65	27	(D)	(NA)	(NA)	(NA)
Rhode Island	2	(D)	-	2	(D)	(NA)	(NA)	(NA)
South Carolina	15	15,280	29	15	588,872	(NA)	(NA)	(NA)
Tennessee	29	74,830	129	24	435,485	(NA)	(NA)	(NA)
Texas	44	108,516	965	44	12,014,165	(NA)	(NA)	(NA)
Utah	8	2,600	3	8	50,852	(NA)	(NA)	(NA)
Vermont	5	6,288	(D)	5	(D)	(NA)	(NA)	(NA)
Virginia	17	100,269	33	16	(D)	(NA)	(NA)	(NA)
Washington	28	33,925	213	28	(D)	(NA)	(NA)	(NA)
West Virginia	2	-	(D)	2	(D)	(NA)	(NA)	(NA)
Wisconsin	5	(D)	2	5	32,505	(NA)	(NA)	(NA)
Wyoming	2	-	(D)	2	(D)	(NA)	(NA)	(NA)
SOD HARVESTED								
United States Total								
United States	1,881	(X)	409,440	1,878	1,353,422,529	2,124	(X)	386,504
States								
Alabama	97	(X)	23,722	97	58,129,093	96	(X)	25,805
Alaska	4	(X)	131	4	238,000	2	(X)	(D)
Arizona	9	(X)	3,147	9	29,467,837	13	(X)	3,187
Arkansas	46	(X)	8,276	46	16,392,078	58	(X)	8,998
California	55	(X)	19,087	55	252,476,652	62	(X)	15,909
Colorado	42	(X)	8,812	42	42,105,586	48	(X)	7,767
Connecticut	6	(X)	1,485	6	6,946,473	10	(X)	1,251
Delaware	3	(X)	1,289	3	(D)	6	(X)	2,305
Florida	193	(X)	84,430	193	175,945,432	235	(X)	67,370
Georgia	103	(X)	28,647	103	84,190,951	92	(X)	24,653
Hawaii	29	(X)	86	28	4,471,517	20	(X)	113
Idaho	38	(X)	4,211	38	20,305,973	38	(X)	4,704
Illinois	29	(X)	13,879	29	31,755,548	40	(X)	7,994
Indiana	30	(X)	5,358	30	9,479,731	38	(X)	5,076
Iowa	31	(X)	4,225	31	8,766,794	33	(X)	4,836
Kansas	33	(X)	5,812	33	13,415,171	49	(X)	4,971
Kentucky	39	(X)	3,229	39	8,622,341	54	(X)	4,692
Louisiana	17	(X)	2,552	17	4,107,329	23	(X)	2,747
Maine	8	(X)	930	8	(D)	10	(X)	1,151
Maryland	30	(X)	4,152	30	19,769,749	29	(X)	4,987
Massachusetts	9	(X)	(D)	9	3,535,052	6	(X)	(D)
Michigan	51	(X)	9,474	51	16,365,057	54	(X)	10,262
Minnesota	76	(X)	10,776	76	19,050,931	89	(X)	14,564
Mississippi	57	(X)	6,621	57	11,201,633	47	(X)	4,352
Missouri	42	(X)	6,288	42	20,041,742	53	(X)	6,002
Montana	13	(X)	1,195	13	3,952,930	16	(X)	1,232
Nebraska	32	(X)	3,202	32	7,491,791	38	(X)	3,015
Nevada	7	(X)	762	7	7,176,050	11	(X)	720
New Hampshire	1	(X)	(D)	1	(D)	2	(X)	(D)
New Jersey	40	(X)	9,425	40	38,083,541	53	(X)	12,485
New Mexico	13	(X)	1,487	13	5,020,128	5	(X)	1,186
New York	21	(X)	7,508	21	33,260,593	14	(X)	6,868
North Carolina	87	(X)	13,496	87	45,598,333	87	(X)	10,952
North Dakota	5	(X)	(D)	5	(D)	3	(X)	27
Ohio	40	(X)	3,777	40	14,557,594	62	(X)	9,434
Oklahoma	71	(X)	17,871	71	40,923,250	95	(X)	17,846
Oregon	14	(X)	2,298	14	16,177,429	14	(X)	2,608
Pennsylvania	13	(X)	961	13	(D)	24	(X)	2,100
Rhode Island	12	(X)	2,581	12	14,332,575	15	(X)	2,453
South Carolina	51	(X)	14,963	50	31,275,036	27	(X)	14,027
South Dakota	6	(X)	779	5	2,207,000	3	(X)	(D)
Tennessee	52	(X)	11,329	52	(D)	56	(X)	8,419
Texas	164	(X)	36,805	164	99,564,546	205	(X)	38,341
Utah	43	(X)	5,705	43	32,081,874	46	(X)	4,036
Vermont	1	(X)	(D)	1	(D)	3	(X)	3
Virginia	27	(X)	10,065	27	21,743,340	25	(X)	7,315
Washington	19	(X)	2,384	19	15,192,510	41	(X)	3,756
West Virginia	3	(X)	(D)	3	206,000	2	(X)	(D)
Wisconsin	63	(X)	4,852	63	25,705,454	63	(X)	4,399
Wyoming	6	(X)	277	6	1,146,600	9	(X)	610

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
TOBACCO PLANTS SOLD FOR TRANSPLANT (SEE TEXT)								
United States Total								
United States	442	3,964,653	3	442	9,289,259	(NA)	(NA)	(NA)
States								
Georgia	9	453,380	-	9	928,000	(NA)	(NA)	(NA)
Illinois	2	(D)	-	2	(D)	(NA)	(NA)	(NA)
Indiana	4	20,900	-	4	67,140	(NA)	(NA)	(NA)
Kentucky	176	1,383,750	(D)	176	3,715,364	(NA)	(NA)	(NA)
Maryland	3	3,880	-	3	8,390	(NA)	(NA)	(NA)
Massachusetts	3	7,000	-	3	9,000	(NA)	(NA)	(NA)
Missouri	10	20,925	-	10	44,075	(NA)	(NA)	(NA)
North Carolina	57	910,120	-	57	1,571,665	(NA)	(NA)	(NA)
Ohio	15	39,880	-	15	127,080	(NA)	(NA)	(NA)
Pennsylvania	49	190,156	-	49	541,380	(NA)	(NA)	(NA)
South Carolina	1	(D)	-	1	(D)	(NA)	(NA)	(NA)
Tennessee	51	426,028	-	51	1,131,019	(NA)	(NA)	(NA)
Virginia	54	444,858	(D)	54	1,029,895	(NA)	(NA)	(NA)
West Virginia	2	(D)	-	2	(D)	(NA)	(NA)	(NA)
Wisconsin	6	22,500	-	6	(D)	(NA)	(NA)	(NA)
VEGETABLE SEEDS								
United States Total								
United States	1,103	837,940	45,309	1,097	99,694,490	1,671	1,864,522	56,939
States								
Alabama	15	2,160	12	15	19,414	4	-	6
Alaska	1	(D)	-	1	(D)	2	(D)	-
Arizona	12	(D)	1,083	11	1,728,140	18	-	1,604
Arkansas	8	5,300	3	8	6,439	10	7,200	17
California	119	232,570	10,695	119	43,399,223	189	230,842	14,010
Colorado	29	7,589	453	29	834,503	27	(D)	922
Connecticut	5	(D)	3	5	12,526	7	1,007	(D)
Delaware	6	10,012	1	6	2,830	4	1,800	(D)
Florida	10	61,908	44	10	81,496	27	(D)	112
Georgia	6	(D)	80	6	133,000	25	13,413	87
Hawaii	21	19,425	7	21	19,710	6	(D)	(D)
Idaho	144	5,886	13,743	143	18,798,271	137	(D)	9,420
Illinois	17	25,176	137	17	300,777	12	(D)	157
Indiana	15	4,134	4	15	6,863	18	8,418	1
Iowa	17	28,733	29	16	47,610	24	22,668	85
Kansas	3	(D)	(D)	3	2,996	6	(D)	(D)
Kentucky	21	7,897	2	21	7,776	29	19,488	16
Louisiana	1	(D)	(D)	1	(D)	4	(D)	(D)
Maine	18	9,325	7	17	64,061	31	7,190	4
Maryland	8	2,400	10	8	10,750	30	104,335	30
Massachusetts	10	5,837	(D)	10	8,805	20	12,998	4
Michigan	33	92,406	14	33	(D)	48	(D)	285
Minnesota	7	(D)	31	7	57,626	28	(D)	601
Mississippi	11	1,525	45	11	74,929	18	23,248	85
Missouri	23	13,300	3	23	22,054	24	(D)	(D)
Montana	8	(D)	3	8	5,344	10	2,600	3
Nebraska	4	2,375	(D)	4	738	7	4,297	10
Nevada	3	350	-	3	53	4	450	(D)
New Hampshire	2	(D)	-	2	(D)	7	2,950	(D)
New Jersey	15	42,300	-	15	65,747	21	158,604	3
New Mexico	13	(D)	83	13	137,417	9	(D)	(D)
New York	37	19,628	186	37	323,756	71	31,240	359
North Carolina	19	24,900	11	19	29,390	53	73,440	(D)
North Dakota	2	(D)	(D)	2	(D)	-	-	-
Ohio	46	25,460	20	46	74,562	35	134,452	60
Oklahoma	13	(D)	9	13	16,461	12	(D)	6
Oregon	139	10,590	7,850	138	14,698,520	202	14,126	7,014
Pennsylvania	20	18,890	(D)	20	44,925	78	104,304	167
Rhode Island	6	4,002	(D)	6	(D)	5	8,150	-
South Carolina	5	3,258	1	5	1,319	24	(D)	20
South Dakota	3	-	1	3	4,500	5	-	(D)
Tennessee	21	9,984	(D)	21	8,442	34	15,821	20
Texas	20	16,110	4	20	6,635	12	4,529	(D)
Utah	3	(D)	(D)	3	(D)	16	8,481	5
Vermont	13	7,224	(D)	13	(D)	21	7,182	6
Virginia	11	(D)	8	11	18,734	26	40,930	44
Washington	136	8,062	10,596	135	17,659,900	238	398,267	21,467
West Virginia	1	(D)	-	1	(D)	12	1,495	8
Wisconsin	2	(D)	(D)	2	(D)	19	3,810	(D)
Wyoming	1	(D)	-	1	(D)	2	(D)	-

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Table 35. **Nursery, Greenhouse, Floriculture, Sod, Mushrooms, Vegetable Seeds, and Propagative Materials Grown for Sale: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002		
	Farms	Sq. ft. under glass or other protection	Acres in the open	Value of sales		Farms	Sq. ft. under glass or other protection	Acres in the open
				Farms	Dollars			
VEGETABLE TRANSPLANTS (SEE TEXT)								
United States Total								
United States	1,322	20,247,905	1,233	1,313	121,929,991	(NA)	(NA)	(NA)
States								
Alabama	7	118,366	(D)	7	(D)	(NA)	(NA)	(NA)
Alaska	3	1,650	-	3	4,000	(NA)	(NA)	(NA)
Arizona	5	(D)	(D)	5	(D)	(NA)	(NA)	(NA)
Arkansas	8	6,018	2	8	22,746	(NA)	(NA)	(NA)
California	68	14,291,522	193	68	90,985,384	(NA)	(NA)	(NA)
Colorado	31	30,914	4	31	92,585	(NA)	(NA)	(NA)
Connecticut	32	76,451	1	29	204,401	(NA)	(NA)	(NA)
Delaware	9	(D)	(D)	9	(D)	(NA)	(NA)	(NA)
Florida	11	909,840	(D)	11	4,097,738	(NA)	(NA)	(NA)
Georgia	17	863,496	11	17	2,905,290	(NA)	(NA)	(NA)
Hawaii	12	-	7	12	8,000	(NA)	(NA)	(NA)
Idaho	6	3,106	(D)	6	13,835	(NA)	(NA)	(NA)
Illinois	29	37,101	13	29	134,553	(NA)	(NA)	(NA)
Indiana	30	45,674	50	30	296,685	(NA)	(NA)	(NA)
Iowa	34	52,248	6	34	150,679	(NA)	(NA)	(NA)
Kansas	8	18,420	-	8	31,050	(NA)	(NA)	(NA)
Kentucky	46	125,526	6	46	(D)	(NA)	(NA)	(NA)
Louisiana	6	11,680	-	6	29,200	(NA)	(NA)	(NA)
Maine	37	45,354	13	37	192,188	(NA)	(NA)	(NA)
Maryland	37	79,489	8	37	613,342	(NA)	(NA)	(NA)
Massachusetts	44	110,384	19	44	423,205	(NA)	(NA)	(NA)
Michigan	47	898,284	9	47	(D)	(NA)	(NA)	(NA)
Minnesota	15	12,932	7	15	62,130	(NA)	(NA)	(NA)
Mississippi	14	31,760	1	14	86,500	(NA)	(NA)	(NA)
Missouri	30	62,470	4	30	149,330	(NA)	(NA)	(NA)
Montana	3	2,700	-	3	6,650	(NA)	(NA)	(NA)
Nebraska	10	(D)	-	10	77,105	(NA)	(NA)	(NA)
Nevada	3	(D)	(D)	3	(D)	(NA)	(NA)	(NA)
New Hampshire	30	40,366	2	30	107,440	(NA)	(NA)	(NA)
New Jersey	19	97,950	(D)	19	386,850	(NA)	(NA)	(NA)
New Mexico	11	41,572	(D)	11	107,930	(NA)	(NA)	(NA)
New York	106	469,420	14	105	1,365,155	(NA)	(NA)	(NA)
North Carolina	77	247,921	20	77	694,197	(NA)	(NA)	(NA)
North Dakota	4	(D)	9	4	41,500	(NA)	(NA)	(NA)
Ohio	61	215,252	10	61	905,125	(NA)	(NA)	(NA)
Oklahoma	7	7,470	(D)	7	26,050	(NA)	(NA)	(NA)
Oregon	49	243,828	(D)	47	(D)	(NA)	(NA)	(NA)
Pennsylvania	101	198,387	12	101	526,550	(NA)	(NA)	(NA)
Rhode Island	14	12,127	(Z)	14	30,013	(NA)	(NA)	(NA)
South Carolina	15	21,440	7	15	78,800	(NA)	(NA)	(NA)
South Dakota	1	(D)	-	-	-	(NA)	(NA)	(NA)
Tennessee	30	31,726	(D)	28	(D)	(NA)	(NA)	(NA)
Texas	32	269,932	(D)	32	2,003,530	(NA)	(NA)	(NA)
Utah	11	17,200	(D)	11	58,850	(NA)	(NA)	(NA)
Vermont	17	17,156	-	17	110,126	(NA)	(NA)	(NA)
Virginia	34	68,495	14	34	227,798	(NA)	(NA)	(NA)
Washington	45	75,322	33	45	316,905	(NA)	(NA)	(NA)
West Virginia	20	21,188	(D)	20	68,120	(NA)	(NA)	(NA)
Wisconsin	35	25,106	2	35	75,915	(NA)	(NA)	(NA)
Wyoming	1	(D)	-	1	(D)	(NA)	(NA)	(NA)

Table 36. **Cut Christmas Trees: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002			
	Acres in production			Trees cut		Acres in production		Trees cut	
	Farms	Acres	Acres irrigated	Farms	Number	Farms	Acres	Farms	Number
UNITED STATES TOTAL									
United States	17,367	343,374	13,912	12,255	17,415,971	21,904	446,996	13,849	20,808,065
STATES									
Alabama	71	738	81	54	31,183	99	1,020	57	35,670
Alaska	1	(D)	(D)	-	-	-	-	-	-
Arizona	10	39	33	7	289	6	118	4	(D)
Arkansas	59	562	20	31	10,636	65	562	44	18,146
California	400	4,033	1,487	279	119,855	543	7,708	340	383,940
Colorado	107	4,269	184	78	13,404	111	6,187	63	11,508
Connecticut	407	3,887	49	343	113,622	495	4,833	401	133,861
Delaware	49	385	30	41	10,819	64	713	55	16,183
Florida	95	747	99	51	13,776	87	726	46	15,320
Georgia	179	2,359	418	120	50,607	253	2,579	144	80,952
Hawaii	37	91	45	29	8,323	28	(D)	19	4,233
Idaho	112	972	196	51	46,145	104	1,485	53	55,083
Illinois	291	3,843	18	212	112,617	429	6,355	301	144,008
Indiana	231	3,175	113	177	198,899	373	5,630	272	186,303
Iowa	196	1,552	18	153	39,575	271	2,578	185	57,254
Kansas	83	1,293	64	66	15,731	168	3,415	101	29,094
Kentucky	139	988	41	87	23,724	230	2,076	123	56,473
Louisiana	67	590	32	50	17,227	120	1,387	82	43,742
Maine	307	4,349	18	235	126,908	335	4,761	228	164,406
Maryland	229	2,978	250	168	77,801	263	3,205	188	99,183
Massachusetts	420	3,164	218	284	75,914	408	2,947	321	72,522
Michigan	1,319	41,954	2,999	832	1,572,208	1,798	60,520	1,038	2,380,173
Minnesota	368	9,963	344	243	202,259	518	15,413	288	463,885
Mississippi	87	1,188	103	50	20,889	163	2,380	78	39,594
Missouri	134	1,596	25	92	27,344	310	3,775	204	92,483
Montana	84	3,707	92	55	32,104	73	3,496	56	43,793
Nebraska	75	567	149	63	15,160	103	1,068	76	24,215
Nevada	4	(D)	(D)	-	-	6	(D)	2	(D)
New Hampshire	235	2,356	6	189	82,124	234	2,534	187	107,725
New Jersey	1,150	6,314	278	879	78,791	1,167	7,628	917	132,458
New Mexico	28	212	19	14	314	22	3,632	15	2,935
New York	1,154	20,267	382	795	348,043	1,648	32,599	973	618,917
North Carolina	1,251	37,653	170	922	3,085,383	1,528	30,694	1,003	2,915,507
North Dakota	14	169	8	12	1,150	19	154	17	2,007
Ohio	746	8,005	37	528	272,981	1,105	16,625	711	372,957
Oklahoma	63	415	44	42	14,310	91	861	57	18,818
Oregon	1,852	66,816	3,024	1,282	6,850,841	2,024	67,804	1,085	6,466,551
Pennsylvania	1,599	34,789	232	1,201	1,179,733	2,164	44,905	1,249	1,724,419
Rhode Island	83	770	24	49	19,251	83	801	63	23,085
South Carolina	167	1,707	305	99	31,113	181	2,019	89	38,871
South Dakota	23	204	8	16	4,161	18	242	9	3,715
Tennessee	196	2,262	69	139	166,542	186	2,108	171	149,770
Texas	202	2,425	367	99	42,327	301	3,781	169	80,914
Utah	50	159	116	32	2,126	65	203	23	3,744
Vermont	318	3,600	36	259	168,206	359	4,658	271	151,249
Virginia	481	9,414	49	329	313,710	767	12,944	490	507,791
Washington	791	11,095	1,126	498	785,304	773	15,580	479	1,164,139
West Virginia	267	2,260	38	173	42,102	351	3,581	183	60,098
Wisconsin	1,136	33,458	433	847	950,440	1,387	47,699	916	1,605,981
Wyoming	-	-	-	-	-	8	785	3	3,030

Table 37. **Short Rotation Woody Crops: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007					2002			
	Acres in production			Acres harvested		Acres in production		Acres harvested	
	Farms	Acres	Acres irrigated	Farms	Acres	Farms	Acres	Farms	Acres
UNITED STATES TOTAL									
United States	4,717	228,335	(D)	1,769	31,007	6,285	288,686	1,940	31,920
STATES									
Alabama	13	99	-	2	(D)	145	1,635	38	428
Alaska	1	(D)	-	-	-	4	44	2	(D)
Arizona	14	213	48	7	11	21	710	12	(D)
Arkansas	62	1,749	-	29	511	-	-	-	-
California	97	2,086	631	53	420	173	4,247	87	166
Colorado	119	2,768	962	72	435	88	1,931	41	190
Delaware	-	-	-	-	-	9	181	5	9
Florida	-	-	-	-	-	198	6,562	38	395
Georgia	71	2,813	364	39	658	170	2,206	49	304
Hawaii	59	(D)	29	25	50	16	(D)	5	(D)
Idaho	91	1,670	377	42	161	91	1,268	8	29
Illinois	117	2,152	523	53	595	148	4,796	67	1,550
Indiana	116	3,103	127	45	394	-	-	-	-
Iowa	59	692	(D)	28	114	112	1,004	42	236
Kansas	-	-	-	-	-	26	(D)	11	23
Kentucky	83	1,222	45	46	301	54	1,260	37	304
Louisiana	203	16,329	65	46	3,356	183	20,350	35	1,495
Maryland	34	524	32	16	162	78	903	30	254
Michigan	311	7,934	431	127	1,234	422	10,966	147	1,482
Minnesota	225	(D)	116	83	672	274	10,060	86	762
Mississippi	527	44,638	231	128	4,866	387	33,892	89	4,421
Missouri	99	3,145	231	56	622	-	-	-	-
Nebraska	28	152	31	14	19	25	262	14	44
Nevada	2	(D)	(D)	2	(D)	2	(D)	-	-
New Mexico	13	49	27	4	6	15	121	8	46
New York	221	5,753	113	100	1,276	448	18,805	154	2,096
North Carolina	44	289	40	26	71	400	7,418	122	766
North Dakota	8	16	11	-	-	-	-	-	-
Ohio	307	5,433	42	121	1,267	346	8,663	122	1,123
Oklahoma	52	877	61	31	420	59	1,783	19	181
Oregon	211	26,787	(D)	65	2,918	367	26,330	91	2,467
Pennsylvania	23	414	(D)	13	59	510	11,358	180	2,823
South Carolina	351	17,493	1,129	100	3,348	395	17,047	76	1,496
South Dakota	1	(D)	-	1	(D)	15	193	6	34
Tennessee	72	1,178	43	48	309	59	(D)	35	295
Texas	731	29,635	1,380	215	4,265	599	37,763	157	3,599
Utah	2	(D)	(D)	1	(D)	13	32	3	4
Virginia	176	(D)	81	55	708	242	6,133	56	512
Washington	153	12,638	(D)	71	1,714	148	22,463	62	3,535
West Virginia	15	188	(D)	1	(D)	32	112	4	5
Wisconsin	4	86	-	2	(D)	1	(D)	1	(D)
Wyoming	2	(D)	(D)	2	(D)	10	307	1	(D)

Table 38. **Maple Syrup: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	2007			2002		
	Farms	Number of taps	Syrup produced (gallons)	Farms	Number of taps	Syrup produced (gallons)
UNITED STATES TOTAL						
United States	8,121	8,369,856	1,582,101	8,068	8,230,772	1,651,552
STATES						
Connecticut	173	73,922	11,732	219	77,559	12,747
Illinois	32	8,708	1,382	22	8,423	2,553
Indiana	154	41,454	8,178	128	45,927	8,048
Iowa	53	6,227	953	56	5,348	1,077
Kentucky	44	2,594	335	38	4,142	416
Maine	468	1,487,473	252,447	516	1,377,653	258,315
Maryland	16	19,319	2,467	21	26,981	4,206
Massachusetts	292	252,780	41,249	289	236,745	51,589
Michigan	691	384,796	66,313	560	404,174	85,560
Minnesota	256	81,426	13,875	214	128,241	16,355
Missouri	38	2,714	387	30	1,533	(D)
Nebraska	3	(D)	(D)	1	(D)	(D)
New Hampshire	477	400,956	71,122	503	393,609	83,980
New Jersey	40	3,149	522	24	2,710	416
New York	1,313	1,342,165	229,486	1,464	1,615,027	308,692
North Carolina	3	115	10	1	(D)	(D)
Ohio	600	317,243	62,141	594	403,759	75,374
Pennsylvania	530	445,694	61,138	501	361,411	63,187
Rhode Island	17	3,803	441	8	2,016	306
Tennessee	7	474	94	6	(D)	(D)
Utah	1	(D)	(D)	-	-	-
Vermont	1,310	2,770,392	644,962	1,723	2,475,691	560,200
Virginia	42	19,961	1,982	26	28,864	4,408
West Virginia	75	24,889	2,773	57	20,613	2,853
Wisconsin	1,486	679,586	108,108	1,067	609,756	110,856

Table 39. **Grain Storage Capacity: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Grain storage capacity (see text)			Farms with capacity by North American Industry Classification System	
	Farms	Bushels	Average bushels per farm	Crop production (111)	Animal production (112)
UNITED STATES TOTAL					
United States 2007	309,365	11,333,050,084	36,633	205,765	103,600
2002	346,977	9,889,959,099	28,503	213,605	133,372
STATES, 2007					
Alabama	1,943	25,261,703	13,001	888	1,055
Alaska	33	888,759	26,932	29	4
Arizona	94	3,023,063	32,160	36	58
Arkansas	2,172	183,723,450	84,587	1,890	282
California	873	29,952,296	34,310	363	510
Colorado	4,178	159,130,301	38,088	2,776	1,402
Connecticut	58	414,654	7,149	19	39
Delaware	225	9,352,286	41,566	112	113
Florida	535	5,233,003	9,781	245	290
Georgia	3,248	51,275,164	15,787	2,089	1,159
Idaho	3,345	114,132,833	34,120	2,108	1,237
Illinois	25,577	1,353,862,005	52,933	22,375	3,202
Indiana	15,189	736,406,123	48,483	12,153	3,036
Iowa	40,092	1,761,362,028	43,933	29,823	10,269
Kansas	14,330	360,629,075	25,166	10,256	4,074
Kentucky	6,655	164,801,545	24,764	3,217	3,438
Louisiana	858	59,576,114	69,436	689	169
Maine	157	2,445,449	15,576	89	68
Maryland	1,335	38,127,226	28,560	701	634
Massachusetts	58	518,580	8,941	23	35
Michigan	7,948	236,000,421	29,693	5,341	2,607
Minnesota	29,216	1,258,600,916	43,079	20,446	8,770
Mississippi	1,585	93,681,066	59,105	1,033	552
Missouri	14,726	429,257,978	29,150	9,649	5,077
Montana	8,123	323,558,720	39,832	4,868	3,255
Nebraska	19,544	997,984,438	51,063	14,721	4,823
Nevada	84	2,005,889	23,880	35	49
New Hampshire	26	68,956	2,652	16	10
New Jersey	440	9,443,789	21,463	342	98
New Mexico	344	12,648,402	36,769	161	183
New York	3,423	80,961,645	23,652	1,531	1,892
North Carolina	3,928	82,277,025	20,946	2,572	1,356
North Dakota	15,490	759,086,170	49,005	12,257	3,233
Ohio	15,534	446,335,442	28,733	11,177	4,357
Oklahoma	6,482	57,196,122	8,824	2,631	3,851
Oregon	1,210	35,271,213	29,150	857	353
Pennsylvania	10,683	112,479,557	10,529	4,412	6,271
Rhode Island	17	8,629	508	9	8
South Carolina	1,814	42,080,625	23,198	1,158	656
South Dakota	13,293	600,760,235	45,194	8,540	4,753
Tennessee	3,907	65,147,227	16,674	1,705	2,202
Texas	5,038	111,611,844	22,154	2,167	2,871
Utah	1,547	15,561,328	10,059	614	933
Vermont	100	933,911	9,339	28	72
Virginia	2,735	40,970,443	14,980	1,161	1,574
Washington	1,662	69,147,864	41,605	1,323	339
West Virginia	1,047	4,296,804	4,104	226	821
Wisconsin	16,932	364,806,553	21,545	6,314	10,618
Wyoming	1,532	20,751,215	13,545	590	942

Table 40. **Commodities Raised and Delivered Under Production Contracts: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Farms	Number
BROILERS AND OTHER MEAT-TYPE CHICKENS		
United States Total		
United States	17,001	8,600,795,123
States		
Alabama	2,370	1,015,912,076
Arkansas	2,416	1,171,417,704
California	59	45,163,506
Connecticut	13	404,332
Delaware	713	246,098,746
Florida	123	73,183,463
Georgia	2,173	1,398,907,034
Hawaii	1	(D)
Illinois	4	(D)
Indiana	96	36,915,566
Iowa	33	9,679,335
Kentucky	462	309,722,752
Louisiana	279	187,524,217
Maryland	698	296,341,690
Michigan	11	3,676,000
Minnesota	141	47,163,577
Mississippi	1,404	822,957,432
Missouri	366	278,336,596
Nebraska	6	4,843,200
New York	5	541,800
North Carolina	1,838	769,746,946
Ohio	188	47,874,902
Oklahoma	496	240,818,895
Oregon	31	24,598,871
Pennsylvania	467	146,621,106
South Carolina	397	230,213,351
South Dakota	1	(D)
Tennessee	547	206,123,367
Texas	838	577,143,316
Virginia	523	245,168,464
Washington	38	28,041,742
West Virginia	161	88,772,648
Wisconsin	103	46,572,339
EGGS, CHICKEN (DOZENS)		
United States Total		
United States	3,331	1,823,376,451
States		
Alabama	443	127,790,446
Arkansas	531	150,943,108
California	6	6,943,750
Delaware	4	661,464
Florida	16	18,318,942
Georgia	517	286,792,413
Illinois	5	2,000,000
Indiana	58	96,618,998
Iowa	27	64,690,129
Kentucky	90	31,495,243
Louisiana	27	12,823,986
Maine	1	(D)
Maryland	9	17,663,878
Massachusetts	1	(D)
Michigan	4	10,490,290
Minnesota	27	56,638,129
Mississippi	205	67,340,999
Missouri	45	31,480,177
Nebraska	12	50,886,939
New Hampshire	1	(D)
New York	4	(D)
North Carolina	448	151,004,097
Ohio	93	251,336,050
Oklahoma	107	28,075,242
Pennsylvania	145	157,671,213
South Carolina	54	38,400,680
Tennessee	90	22,229,337
Texas	157	83,773,487
Virginia	76	21,269,485
West Virginia	102	18,313,750
Wisconsin	26	16,419,119
PULLETS FOR LAYING FLOCK REPLACEMENT		
United States Total		
United States	1,563	116,811,593
States		
Alabama	184	10,106,814
Arkansas	247	13,477,458
California	6	816,708
Connecticut	2	(D)
Delaware	2	(D)
Florida	26	1,982,130
Georgia	215	13,385,144
Indiana	34	5,698,348
PULLETS FOR LAYING FLOCK REPLACEMENT - Con.		
States - Con.		
Iowa	13	2,341,084
Kentucky	40	2,368,894
Louisiana	13	1,210,600
Maine	5	1,293,000
Maryland	5	575,000
Massachusetts	1	(D)
Michigan	10	2,095,232
Minnesota	19	5,072,117
Mississippi	69	4,938,821
Missouri	67	4,160,758
Nebraska	1	(D)
New Hampshire	1	(D)
New York	5	286,030
North Carolina	226	10,915,464
Ohio	46	8,787,511
Oklahoma	50	2,280,377
Oregon	1	(D)
Pennsylvania	97	10,989,362
South Carolina	24	3,224,569
Tennessee	40	1,895,639
Texas	55	4,895,549
Virginia	29	1,346,484
West Virginia	24	1,417,500
Wisconsin	6	239,000
TURKEYS		
United States Total		
United States	2,195	200,125,309
States		
Arkansas	257	28,163,684
California	31	6,260,019
Colorado	1	(D)
Illinois	32	1,746,118
Indiana	191	11,775,536
Iowa	30	3,045,540
Kansas	22	1,164,332
Kentucky	1	(D)
Maryland	7	682,250
Michigan	2	(D)
Minnesota	74	9,860,478
Missouri	329	19,164,686
New York	1	(D)
North Carolina	522	54,469,299
North Dakota	1	(D)
Ohio	102	5,355,190
Oklahoma	12	738,622
Pennsylvania	114	8,870,746
South Carolina	124	17,625,087
South Dakota	1	(D)
Texas	16	6,526,168
Utah	21	1,235,628
Virginia	218	16,760,460
West Virginia	51	3,643,307
Wisconsin	35	2,275,850
CUSTOM FED CATTLE SHIPPED DIRECTLY FOR SLAUGHTER (SEE TEXT)		
United States Total		
United States	1,485	8,826,814
States		
Arizona	7	348,871
California	7	256,562
Colorado	45	449,788
Idaho	12	88,023
Illinois	74	71,290
Indiana	18	9,298
Iowa	372	367,670
Kansas	110	2,615,076
Maryland	5	413
Michigan	16	7,566
Minnesota	128	74,692
Missouri	7	16,727
Montana	15	45,806
Nebraska	272	1,401,111
Nevada	2	(D)
New Mexico	4	1,019
New York	12	5,845
North Dakota	8	36,477
Ohio	59	36,134
Oklahoma	35	486,457
Oregon	8	(D)
Pennsylvania	60	7,873
South Carolina	4	(D)
South Dakota	84	166,770
Texas	77	2,099,344

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Table 40. **Commodities Raised and Delivered Under Production Contracts: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Farms	Number
CUSTOM FED CATTLE SHIPPED DIRECTLY FOR SLAUGHTER (SEE TEXT) - Con.		
States - Con.		
Utah	8	(D)
Virginia	9	2,461
Washington	11	(D)
Wisconsin	2	(D)
Wyoming	14	43,161
HOGS AND PIGS		
United States Total		
United States	8,991	89,601,632
States		
Alabama	34	702,866
Arkansas	119	1,254,851
Colorado	10	81,522
Delaware	2	(D)
Georgia	25	496,849
Illinois	424	3,819,982
Indiana	478	3,263,759
Iowa	2,946	20,710,440
Kansas	77	1,714,326
Kentucky	28	198,778
Maryland	8	50,705
Michigan	181	1,181,550
Minnesota	1,166	8,074,225
Mississippi	38	802,385
Missouri	256	4,740,640
Nebraska	437	1,628,809
New York	23	268,020
North Carolina	1,522	31,167,264
North Dakota	2	(D)
Ohio	476	2,642,091
Oklahoma	82	1,683,547
Pennsylvania	345	2,307,315
South Carolina	42	782,495
South Dakota	147	739,128
Tennessee	30	243,695
Texas	1	(D)
Utah	15	410,800
Virginia	37	318,052
West Virginia	1	(D)
Wisconsin	39	165,216
OTHER CATTLE, LIVESTOCK, POULTRY, OR AQUACULTURE (SEE TEXT)		
United States Total		
United States	4,641	(X)
States		
Alabama	10	(X)
Arizona	5	(X)
Arkansas	266	(X)
California	100	(X)
Colorado	101	(X)
Connecticut	2	(X)
Delaware	2	(X)
Florida	13	(X)
Georgia	9	(X)
Hawaii	1	(X)
Idaho	107	(X)
Illinois	59	(X)
Indiana	284	(X)
Iowa	202	(X)
Kansas	232	(X)
Kentucky	67	(X)
Louisiana	12	(X)
Maine	4	(X)
Maryland	22	(X)
Massachusetts	5	(X)
Michigan	111	(X)
Minnesota	236	(X)
Mississippi	46	(X)
Missouri	121	(X)
Montana	79	(X)
Nebraska	159	(X)
Nevada	4	(X)
New Hampshire	3	(X)
New Mexico	42	(X)
New York	222	(X)
North Carolina	68	(X)
North Dakota	15	(X)
Ohio	222	(X)
Oklahoma	192	(X)
Oregon	65	(X)
Pennsylvania	481	(X)

Item	Farms	Number
OTHER CATTLE, LIVESTOCK, POULTRY, OR AQUACULTURE (SEE TEXT) - Con.		
States - Con.		
South Carolina	5	(X)
South Dakota	123	(X)
Tennessee	22	(X)
Texas	149	(X)
Utah	44	(X)
Vermont	18	(X)
Virginia	84	(X)
Washington	34	(X)
West Virginia	55	(X)
Wisconsin	468	(X)
Wyoming	70	(X)
GRAINS AND OILSEEDS		
United States Total		
United States	506	(X)
States		
California	1	(X)
Illinois	133	(X)
Indiana	48	(X)
Iowa	153	(X)
Kansas	2	(X)
Michigan	33	(X)
Minnesota	13	(X)
Nebraska	62	(X)
New York	3	(X)
North Carolina	4	(X)
North Dakota	3	(X)
Ohio	2	(X)
Oregon	4	(X)
Pennsylvania	2	(X)
South Carolina	3	(X)
South Dakota	8	(X)
Texas	30	(X)
Virginia	1	(X)
Wisconsin	1	(X)
VEGETABLES, MELONS, AND POTATOES (SEE TEXT)		
United States Total		
United States	2,033	(X)
States		
Arizona	47	(X)
Arkansas	3	(X)
California	40	(X)
Colorado	3	(X)
Delaware	66	(X)
Illinois	61	(X)
Indiana	8	(X)
Iowa	15	(X)
Kansas	1	(X)
Maryland	21	(X)
Michigan	16	(X)
Minnesota	1,099	(X)
Missouri	5	(X)
Montana	1	(X)
New Jersey	3	(X)
New York	39	(X)
Oklahoma	1	(X)
Oregon	7	(X)
Pennsylvania	9	(X)
Tennessee	1	(X)
Texas	8	(X)
Washington	51	(X)
Wisconsin	527	(X)
Wyoming	1	(X)
OTHER CROPS (SEE TEXT)		
United States Total		
United States	14	(X)
States		
California	4	(X)
Indiana	1	(X)
Iowa	1	(X)
Michigan	2	(X)
Nebraska	1	(X)
Oregon	1	(X)
Texas	1	(X)
Washington	3	(X)

Table 41. **Machinery and Equipment on Operation: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
VALUE OF MACHINERY AND EQUIPMENT [1]						
Estimated market value of all machinery and equipment ..... farms, 2007	2,204,513	48,752	686	15,635	49,346	81,017
2002	2,052,348	43,135	583	6,946	46,056	77,209
$1,000, 2007	194,783,471	2,964,616	54,082	1,036,453	4,481,741	8,761,575
2002	136,624,880	1,842,080	41,853	615,767	3,007,394	6,325,990
Average per farm ..... dollars, 2007	88,357	60,810	78,837	66,291	90,823	108,145
2002	66,570	42,705	71,790	88,651	65,299	81,933
Farms by value group:						
$1 to $9,999 2007	413,280	7,907	106	5,660	7,847	17,863
2002	627,099	13,275	113	2,713	12,145	27,902
$10,000 to $19,999 2007	351,088	8,550	91	3,681	7,819	12,858
2002	347,224	8,538	80	1,402	8,676	12,207
$20,000 to $29,999 2007	279,609	7,486	87	1,716	6,607	10,053
2002	231,428	6,200	76	589	5,862	7,904
$30,000 to $49,999 2007	318,680	8,233	105	1,504	8,306	11,186
2002	234,070	5,557	94	552	6,312	7,304
$50,000 to $69,999 2007	215,497	5,440	93	982	5,291	7,705
2002	147,047	3,328	61	383	3,804	4,483
$70,000 to $99,999 2007	151,271	3,605	53	521	3,816	4,813
2002	112,297	1,957	49	203	2,465	3,573
$100,000 to $199,999 2007	232,001	4,641	88	728	4,889	7,413
2002	180,503	2,574	60	347	3,412	6,333
$200,000 to $499,999 2007	175,152	2,334	50	507	3,177	5,791
2002	132,284	1,420	45	464	2,349	5,023
$500,000 or more 2007	67,935	556	13	336	1,594	3,335
2002	40,396	286	5	293	1,031	2,480
SELECTED MACHINERY AND EQUIPMENT [1]						
Trucks, including pickups (see text) ..... farms, 2007	1,783,324	41,225	528	12,394	41,858	64,856
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2007	3,512,538	74,818	1,139	22,848	79,376	141,131
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors ..... farms, 2007	1,844,647	42,799	460	5,656	42,786	58,415
2002	1,901,787	39,560	466	6,563	43,385	72,873
number, 2007	4,389,812	79,871	1,109	11,974	85,105	149,901
2002	4,592,545	74,357	1,091	15,585	86,705	184,981
Less than 40 horsepower (PTO) ..... farms, 2007	910,937	19,014	259	3,149	18,068	35,355
2002	983,294	17,063	314	4,052	20,006	45,744
number, 2007	1,280,039	23,622	383	4,035	21,795	53,949
2002	1,415,807	21,735	453	5,392	24,724	70,975
40 to 99 horsepower (PTO) ..... farms, 2007	1,238,101	30,991	303	2,760	29,882	32,186
2002	1,252,337	28,469	271	3,278	28,504	38,015
number, 2007	1,998,508	46,355	537	4,591	44,574	68,925
2002	2,066,720	42,734	457	6,383	41,963	82,879
100 horsepower (PTO) or more ..... farms, 2007	555,941	5,998	115	1,237	8,056	10,883
2002	564,066	5,581	114	1,506	8,519	12,345
number, 2007	1,111,265	9,894	189	3,348	18,736	27,027
2002	1,110,018	9,888	181	3,810	20,018	31,127
Grain and bean combines, self-propelled ..... farms, 2007	295,490	1,616	31	119	3,675	1,453
2002	353,539	1,675	32	187	4,400	1,690
number, 2007	346,935	1,931	42	153	4,785	2,188
2002	409,442	1,913	37	243	5,444	2,540
Cotton pickers and strippers, self-propelled ..... farms, 2007	12,500	586	-	181	704	404
2002	15,736	727	-	263	901	927
number, 2007	18,162	883	-	282	1,092	868
2002	23,336	1,095	-	464	1,471	1,964
Forage harvesters, self-propelled ..... farms, 2007	60,133	277	16	157	294	1,348
2002	60,613	454	13	230	72	1,231
number, 2007	64,191	290	18	216	313	1,633
2002	67,610	517	17	315	86	1,594
Hay balers ..... farms, 2007	593,543	11,716	225	584	13,836	3,432
2002	632,655	12,433	242	838	14,745	3,856
number, 2007	727,501	14,189	304	763	16,303	4,209
2002	766,457	15,231	304	1,200	17,344	4,836
2007 INVENTORY						
Manufactured 2003 to 2007:						
Trucks, including pickups ..... farms	586,671	13,113	140	6,043	15,623	24,711
number	731,562	15,926	179	8,615	19,973	39,698
Tractors ..... farms	385,317	10,692	82	1,447	12,023	15,578
number	530,102	13,777	97	3,040	16,588	29,136
Less than 40 horsepower (PTO) ..... farms	127,288	2,936	39	644	3,077	7,073
number	142,117	3,243	44	728	3,319	9,115
40 to 99 horsepower (PTO) ..... farms	212,259	7,636	40	624	8,051	8,248
number	250,743	8,936	45	1,057	9,344	14,043
100 horsepower (PTO) or more ..... farms	91,469	1,212	7	413	2,128	2,835
number	137,242	1,598	8	1,255	3,925	5,978
Grain and bean combines, self-propelled ..... farms	37,491	109	1	20	993	262
number	41,420	126	(D)	28	1,232	332
Cotton pickers and strippers, self-propelled ..... farms	3,346	113	-	62	305	68
number	4,238	151	-	76	416	123
Forage harvesters, self-propelled ..... farms	7,794	56	2	48	81	217
number	8,381	58	(D)	81	87	299
Hay balers ..... farms	82,405	2,202	18	135	3,094	473
number	87,948	2,324	(D)	193	3,229	622

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
VALUE OF MACHINERY AND EQUIPMENT [1]						
Estimated market value of all machinery and equipment ....farms, 2007	37,052	4,915	2,546	47,461	47,846	7,500
2002	29,427	4,193	2,390	43,211	46,609	5,234
$1,000, 2007	3,680,884	315,000	304,801	2,591,541	3,681,670	304,997
2002	2,585,783	214,739	271,874	1,723,447	2,416,555	186,163
Average per farm ....dollars, 2007	99,344	64,090	119,718	54,604	76,948	40,666
2002	87,871	51,214	113,755	39,884	51,847	35,568
Farms by value group:						
$1 to $9,999 2007	5,491	1,015	362	13,403	9,306	2,598
2002	8,442	1,577	458	21,619	16,180	3,105
$10,000 to $19,999 2007	5,200	837	300	9,030	8,304	1,418
2002	4,499	671	426	7,455	8,761	834
$20,000 to $29,999 2007	4,882	672	302	6,514	6,261	1,036
2002	2,828	458	303	4,137	5,847	378
$30,000 to $49,999 2007	5,442	758	395	6,475	7,171	1,035
2002	3,408	356	275	3,052	5,448	361
$50,000 to $69,999 2007	3,802	514	250	3,782	4,816	607
2002	2,121	318	202	2,086	2,926	136
$70,000 to $99,999 2007	3,065	346	188	2,480	3,203	256
2002	1,701	216	121	1,242	2,040	137
$100,000 to $199,999 2007	4,639	441	319	3,179	4,542	306
2002	2,955	382	237	1,999	2,824	149
$200,000 to $499,999 2007	3,353	267	284	2,016	3,092	204
2002	2,503	153	226	1,107	1,888	89
$500,000 or more 2007	1,178	65	146	582	1,151	40
2002	970	62	142	514	695	45
SELECTED MACHINERY AND EQUIPMENT [1]						
Trucks, including pickups (see text) ....farms, 2007	30,749	3,808	2,096	34,751	39,230	5,791
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2007	73,350	7,711	5,767	55,403	73,950	9,047
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors ....farms, 2007	28,836	4,037	2,109	36,034	41,813	3,386
2002	25,764	3,402	2,254	41,356	43,295	2,896
number, 2007	61,571	10,721	5,845	62,809	82,312	5,731
2002	60,736	9,687	6,108	70,471	81,932	5,220
Less than 40 horsepower (PTO) ....farms, 2007	12,803	2,897	1,296	20,467	19,119	2,475
2002	13,453	2,734	1,332	25,295	20,742	2,149
number, 2007	17,002	5,358	1,892	26,202	23,949	3,370
2002	19,429	5,243	1,907	34,093	26,700	3,111
40 to 99 horsepower (PTO) ....farms, 2007	17,688	2,353	1,375	19,811	28,643	1,207
2002	14,792	1,809	1,550	20,018	28,237	962
number, 2007	25,662	4,439	2,277	29,253	43,262	1,832
2002	23,471	3,725	2,538	29,602	41,525	1,715
100 horsepower (PTO) or more ....farms, 2007	10,049	560	773	4,064	7,914	308
2002	8,954	434	733	3,807	7,125	230
number, 2007	18,907	924	1,676	7,354	15,101	529
2002	17,836	719	1,663	6,776	13,707	394
Grain and bean combines, self-propelled ....farms, 2007	3,358	31	611	360	2,417	21
2002	3,803	49	695	442	2,637	6
number, 2007	4,322	32	730	436	2,771	27
2002	4,931	50	832	499	2,941	8
Cotton pickers and strippers, self-propelled ....farms, 2007	-	-	-	110	1,362	-
2002	-	-	-	161	1,625	-
number, 2007	-	-	-	130	1,773	-
2002	-	-	-	198	2,124	-
Forage harvesters, self-propelled ....farms, 2007	2,254	101	38	133	324	32
2002	2,586	156	44	305	445	4
number, 2007	2,437	107	38	144	332	32
2002	2,896	177	44	349	472	4
Hay balers ....farms, 2007	9,018	1,507	369	3,038	9,262	14
2002	9,725	1,247	443	2,827	9,805	14
number, 2007	11,282	1,740	458	3,646	11,283	14
2002	11,771	1,410	582	3,377	11,792	16
2007 INVENTORY						
Manufactured 2003 to 2007:						
Trucks, including pickups .... farms	11,835	1,270	845	13,929	13,653	1,842
number	14,564	1,714	1,136	18,740	17,321	2,417
Tractors .... farms	4,605	894	566	10,361	11,045	1,141
number	6,040	1,282	802	14,917	15,097	1,479
Less than 40 horsepower (PTO) .... farms	1,671	479	276	4,869	3,046	819
number	1,794	592	305	5,639	3,323	933
40 to 99 horsepower (PTO) .... farms	2,148	464	246	5,594	7,378	352
number	2,396	618	290	7,067	8,638	418
100 horsepower (PTO) or more .... farms	1,295	60	140	1,131	1,929	72
number	1,850	72	207	2,211	3,136	128
Grain and bean combines, self-propelled .... farms	317	2	68	30	196	5
number	384	(D)	78	34	217	(D)
Cotton pickers and strippers, self-propelled .... farms	-	-	-	26	335	-
number	-	-	-	32	384	-
Forage harvesters, self-propelled .... farms	248	7	3	37	56	13
number	274	7	3	38	57	(D)
Hay balers .... farms	1,178	148	52	633	1,897	2
number	1,297	154	58	701	2,068	(D)

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
VALUE OF MACHINERY AND EQUIPMENT [1]						
Estimated market value of all machinery and equipment ..... farms, 2007	25,347	76,860	60,933	92,813	65,531	85,260
2002	22,580	72,243	57,787	88,859	62,905	84,319
$1,000, 2007	2,899,269	10,499,792	6,302,106	12,694,091	7,487,669	4,910,199
2002	2,071,614	7,386,281	4,636,855	8,923,379	5,983,765	3,495,669
Average per farm ..... dollars, 2007	114,383	136,609	103,427	136,771	114,261	57,591
2002	91,746	102,242	80,240	100,422	95,124	41,458
Farms by value group:						
$1 to $9,999 2007	5,499	12,048	13,072	13,333	12,081	14,975
2002	7,632	14,974	16,163	20,917	17,964	24,852
$10,000 to $19,999 2007	4,004	10,378	9,703	11,378	9,388	15,581
2002	3,324	9,032	8,585	9,377	8,120	18,148
$20,000 to $29,999 2007	3,022	7,824	7,244	9,155	7,211	12,438
2002	2,041	6,347	6,447	7,835	5,649	11,853
$30,000 to $49,999 2007	3,308	9,234	7,733	10,540	8,413	14,545
2002	2,250	8,190	6,811	9,920	6,630	11,408
$50,000 to $69,999 2007	2,335	6,566	5,019	8,061	6,045	9,406
2002	1,640	6,011	3,721	7,190	4,532	6,317
$70,000 to $99,999 2007	1,441	5,233	3,512	6,653	4,294	6,044
2002	1,100	5,489	3,327	6,898	3,883	4,059
$100,000 to $199,999 2007	2,493	9,543	6,318	13,936	7,542	7,769
2002	2,036	10,415	6,202	12,846	7,527	4,624
$200,000 to $499,999 2007	2,034	10,878	5,589	14,057	7,340	3,601
2002	1,720	9,436	4,939	11,024	6,474	2,503
$500,000 or more 2007	1,211	5,156	2,743	5,700	3,217	901
2002	837	2,349	1,592	2,852	2,126	555
SELECTED MACHINERY AND EQUIPMENT [1]						
Trucks, including pickups (see text) ..... farms, 2007	21,301	61,916	46,867	76,220	55,574	69,478
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2007	56,479	122,512	93,468	141,558	149,926	120,424
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors ..... farms, 2007	19,922	66,632	50,541	79,320	54,229	75,637
2002	20,085	68,024	53,425	83,313	57,651	79,213
number, 2007	47,959	200,973	130,990	243,403	129,832	162,175
2002	48,712	218,511	143,965	266,070	140,913	166,148
Less than 40 horsepower (PTO) ..... farms, 2007	9,447	32,036	25,039	33,167	20,402	39,640
2002	10,216	33,142	26,923	37,582	21,168	46,560
number, 2007	12,638	46,904	35,235	51,034	27,262	54,472
2002	14,177	51,184	38,537	58,562	28,424	64,256
40 to 99 horsepower (PTO) ..... farms, 2007	12,307	45,868	33,606	54,921	33,306	57,155
2002	12,079	47,647	36,869	60,593	36,669	57,371
number, 2007	19,293	74,959	52,340	90,699	50,827	90,509
2002	19,725	81,509	59,088	106,497	55,199	87,110
100 horsepower (PTO) or more ..... farms, 2007	7,065	35,087	20,759	47,544	26,399	11,059
2002	6,409	38,923	22,171	49,844	29,886	9,722
number, 2007	16,028	79,110	43,415	101,670	51,743	17,194
2002	14,810	85,818	46,340	101,011	57,290	14,782
Grain and bean combines, self-propelled ..... farms, 2007	3,080	28,168	16,658	33,875	19,070	4,027
2002	3,574	35,131	20,545	41,026	23,777	4,778
number, 2007	4,142	31,841	18,792	37,034	23,799	4,724
2002	4,692	39,782	22,958	44,901	28,843	5,557
Cotton pickers and strippers, self-propelled ..... farms, 2007	-	-	-	-	58	-
2002	-	-	-	-	48	-
number, 2007	-	-	-	-	86	-
2002	-	-	-	-	55	-
Forage harvesters, self-propelled ..... farms, 2007	2,545	1,324	972	2,470	2,392	1,222
2002	2,745	1,514	1,303	2,773	2,626	1,211
number, 2007	2,785	1,340	986	2,503	2,507	1,269
2002	3,054	1,617	1,398	2,912	2,821	1,327
Hay balers ..... farms, 2007	8,043	15,212	14,974	22,104	19,600	32,195
2002	9,082	17,230	17,960	27,147	22,381	31,394
number, 2007	9,341	18,658	18,425	25,965	23,888	40,749
2002	10,355	20,844	21,409	31,293	27,900	38,626
2007 INVENTORY						
Manufactured 2003 to 2007:						
Trucks, including pickups ..... farms	6,351	21,851	13,597	26,477	16,173	19,713
number	8,907	26,222	16,096	31,181	20,920	23,244
Tractors ..... farms	3,398	13,913	8,431	13,299	7,121	16,612
number	5,564	20,889	11,831	19,850	9,668	21,477
Less than 40 horsepower (PTO) ..... farms	1,198	4,904	3,013	2,948	1,649	3,827
number	1,373	5,431	3,252	3,301	1,807	4,266
40 to 99 horsepower (PTO) ..... farms	1,509	5,341	3,716	3,979	2,805	12,565
number	1,846	6,065	4,147	4,549	3,112	14,567
100 horsepower (PTO) or more ..... farms	1,184	6,154	2,891	8,189	3,390	2,027
number	2,345	9,393	4,432	12,000	4,749	2,644
Grain and bean combines, self-propelled ..... farms	329	5,497	2,569	5,767	1,644	573
number	446	5,836	2,786	6,028	1,861	657
Cotton pickers and strippers, self-propelled ..... farms	-	-	-	-	18	-
number	-	-	-	-	(D)	-
Forage harvesters, self-propelled ..... farms	289	143	96	236	284	229
number	333	146	100	237	307	240
Hay balers ..... farms	987	1,510	1,498	2,554	2,701	4,754
number	1,097	1,619	1,622	2,639	2,844	5,020

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
VALUE OF MACHINERY AND EQUIPMENT [1]						
Estimated market value of all machinery and equipment ....farms, 2007	30,106	8,133	12,833	7,690	56,009	80,980
2002	26,327	7,000	11,683	5,980	50,891	77,179
$1,000, 2007	2,378,327	536,463	1,268,194	433,507	5,082,342	10,664,895
2002	1,694,916	380,209	870,708	300,455	3,761,334	6,665,874
Average per farm ....dollars, 2007	78,998	65,961	98,823	56,373	90,742	131,698
2002	64,379	54,316	74,528	50,243	73,910	86,369
Farms by value group:						
$1 to $9,999 2007	5,340	1,715	1,761	1,708	10,443	12,848
2002	7,091	2,289	2,978	1,992	14,606	22,606
$10,000 to $19,999 2007	5,064	1,430	1,761	1,298	8,727	10,770
2002	5,515	1,161	1,904	1,006	7,922	9,400
$20,000 to $29,999 2007	4,075	1,129	1,616	1,073	7,004	8,327
2002	3,193	959	1,446	729	6,070	6,483
$30,000 to $49,999 2007	4,807	1,347	1,951	1,094	8,273	9,984
2002	3,132	786	1,427	581	6,005	7,884
$50,000 to $69,999 2007	3,149	827	1,456	751	5,626	6,887
2002	2,114	545	870	479	3,783	5,936
$70,000 to $99,999 2007	2,062	480	963	482	3,889	5,711
2002	1,384	277	680	278	2,876	5,178
$100,000 to $199,999 2007	2,946	677	1,627	841	5,777	10,685
2002	2,032	535	1,222	517	4,515	9,694
$200,000 to $499,999 2007	1,912	406	1,238	374	4,412	10,820
2002	1,298	367	876	351	3,831	7,837
$500,000 or more 2007	751	122	460	69	1,858	4,948
2002	568	81	280	47	1,283	2,161
SELECTED MACHINERY AND EQUIPMENT [1]						
Trucks, including pickups (see text) ....farms, 2007	23,541	6,360	10,064	5,781	42,715	65,583
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2007	39,140	12,194	19,902	11,282	79,655	136,297
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors ....farms, 2007	26,039	6,388	11,427	5,876	49,185	70,270
2002	24,298	5,816	10,925	4,797	47,627	68,387
number, 2007	54,236	14,205	31,247	13,534	138,372	230,041
2002	53,808	14,006	31,260	11,831	137,474	223,138
Less than 40 horsepower (PTO) ....farms, 2007	11,299	4,014	7,092	4,074	28,140	36,707
2002	11,072	4,109	7,197	3,606	27,941	37,816
number, 2007	13,925	5,706	11,317	6,639	44,020	60,410
2002	13,690	5,937	11,768	6,393	45,749	63,366
40 to 99 horsepower (PTO) ....farms, 2007	17,424	3,799	7,831	3,387	34,452	51,497
2002	16,263	3,284	7,399	2,645	32,722	50,796
number, 2007	25,778	6,533	14,023	5,963	61,860	90,711
2002	23,768	6,111	14,019	4,567	61,456	91,631
100 horsepower (PTO) or more ....farms, 2007	6,716	869	3,140	662	15,958	36,596
2002	6,915	837	2,813	572	15,011	33,310
number, 2007	14,533	1,966	5,907	932	32,492	78,920
2002	16,350	1,958	5,473	871	30,269	68,141
Grain and bean combines, self-propelled ....farms, 2007	1,986	203	1,783	25	10,954	25,201
2002	2,622	256	2,180	30	12,487	28,386
number, 2007	2,582	225	2,035	28	12,635	29,232
2002	3,217	268	2,456	30	14,308	32,771
Cotton pickers and strippers, self-propelled ....farms, 2007	663	-	4	-	-	-
2002	730	-	-	-	-	-
number, 2007	1,002	-	4	-	-	-
2002	1,172	-	-	-	-	-
Forage harvesters, self-propelled ....farms, 2007	213	139	374	95	1,940	3,604
2002	378	99	391	54	1,933	3,139
number, 2007	227	150	383	99	2,021	3,677
2002	392	115	432	62	2,240	3,772
Hay balers ....farms, 2007	5,886	2,346	4,195	1,838	18,012	27,761
2002	6,443	2,349	4,118	1,526	18,508	29,631
number, 2007	7,168	2,953	5,465	2,197	22,729	34,575
2002	7,817	2,862	5,261	1,838	23,012	36,465
2007 INVENTORY						
Manufactured 2003 to 2007:						
Trucks, including pickups .... farms	9,840	1,898	3,484	1,936	12,846	18,557
number	12,190	2,276	4,321	2,378	15,326	21,890
Tractors .... farms	7,741	1,515	3,102	1,360	8,778	10,495
number	10,813	1,832	4,219	1,741	12,313	16,059
Less than 40 horsepower (PTO) .... farms	2,281	722	1,359	668	3,631	2,757
number	2,457	762	1,571	741	3,967	3,132
40 to 99 horsepower (PTO) .... farms	4,851	771	1,674	721	4,428	3,709
number	5,656	888	1,918	839	5,447	4,310
100 horsepower (PTO) or more .... farms	1,534	119	529	128	1,879	5,639
number	2,700	182	730	161	2,899	8,617
Grain and bean combines, self-propelled .... farms	382	4	187	-	769	2,912
number	447	5	203	-	831	3,110
Cotton pickers and strippers, self-propelled .... farms	121	-	-	-	-	-
number	149	-	-	-	-	-
Forage harvesters, self-propelled .... farms	58	17	39	13	230	294
number	59	18	39	13	241	300
Hay balers .... farms	1,278	307	704	242	1,700	2,389
number	1,380	328	795	259	1,838	2,497

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
VALUE OF MACHINERY AND EQUIPMENT [1]							
Estimated market value of all machinery and equipment	farms, 2007	41,959	107,821	29,505	47,709	3,130	4,166
	2002	40,332	103,375	24,837	48,046	2,773	3,367
	$1,000, 2007	3,086,429	7,350,255	3,053,603	7,510,697	349,932	243,349
	2002	2,090,779	5,162,542	2,085,701	5,370,381	306,745	137,603
Average per farm	dollars, 2007	73,558	68,171	103,494	157,427	111,799	58,413
	2002	51,839	49,940	83,976	111,776	110,619	40,868
Farms by value group:							
$1 to $9,999	2007	7,462	22,550	5,881	6,695	644	803
	2002	14,433	35,934	6,476	10,236	712	1,109
$10,000 to $19,999	2007	7,565	18,832	4,228	5,169	446	649
	2002	8,295	18,788	3,184	5,172	401	607
$20,000 to $29,999	2007	6,198	14,090	2,931	4,216	348	598
	2002	5,017	12,038	2,269	3,545	312	496
$30,000 to $49,999	2007	6,763	16,082	3,522	5,254	355	697
	2002	4,434	11,931	2,525	5,248	342	387
$50,000 to $69,999	2007	4,453	10,549	2,575	3,935	258	471
	2002	2,500	6,801	2,152	4,207	138	234
$70,000 to $99,999	2007	2,900	7,428	1,893	3,590	211	306
	2002	1,503	4,916	1,745	3,649	150	157
$100,000 to $199,999	2007	3,590	10,100	3,758	7,375	392	379
	2002	2,044	7,252	3,235	7,737	274	258
$200,000 to $499,999	2007	2,113	6,193	3,606	7,844	328	228
	2002	1,411	4,490	2,707	6,425	322	104
$500,000 or more	2007	915	1,997	1,111	3,631	148	35
	2002	695	1,225	544	1,827	122	15
SELECTED MACHINERY AND EQUIPMENT [1]							
Trucks, including pickups (see text)	farms, 2007	34,146	90,476	24,297	41,252	2,697	3,268
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	number, 2007	59,520	165,690	72,729	111,969	7,170	5,518
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors	farms, 2007	37,234	93,668	21,606	39,897	2,283	3,419
	2002	37,508	97,192	21,234	42,917	2,272	2,761
	number, 2007	72,609	197,104	53,064	125,465	5,510	7,539
	2002	73,425	207,013	52,460	143,357	6,124	6,325
Less than 40 horsepower (PTO)	farms, 2007	15,648	39,258	9,753	15,612	1,228	2,396
	2002	16,748	42,536	10,101	17,921	1,309	2,071
	number, 2007	19,200	51,228	13,173	25,129	1,621	3,744
	2002	20,949	55,738	13,897	31,041	1,965	3,191
40 to 99 horsepower (PTO)	farms, 2007	26,274	67,394	13,168	26,297	1,345	1,862
	2002	24,308	69,098	13,569	30,155	1,292	1,496
	number, 2007	38,544	101,782	19,551	45,358	2,288	3,267
	2002	35,510	107,729	20,460	54,726	2,385	2,712
100 horsepower (PTO) or more	farms, 2007	7,707	25,170	10,429	25,448	725	327
	2002	8,268	25,284	9,915	27,721	781	261
	number, 2007	14,865	44,094	20,340	54,978	1,601	528
	2002	16,966	43,546	18,103	57,590	1,774	422
Grain and bean combines, self-propelled	farms, 2007	2,229	14,602	5,340	17,480	61	8
	2002	2,948	18,303	6,143	21,335	89	11
	number, 2007	2,941	16,811	6,792	19,500	80	9
	2002	3,684	20,976	7,569	24,094	116	13
Cotton pickers and strippers, self-propelled	farms, 2007	683	363	-	-	-	-
	2002	1,104	492	-	-	-	-
	number, 2007	1,110	522	-	-	-	-
	2002	1,904	661	-	-	-	-
Forage harvesters, self-propelled	farms, 2007	245	1,328	3,303	2,253	420	49
	2002	393	1,370	2,532	2,555	464	32
	number, 2007	247	1,369	3,556	2,323	567	54
	2002	416	1,454	2,811	2,750	654	34
Hay balers	farms, 2007	8,757	35,306	10,439	13,691	1,013	1,269
	2002	7,316	38,742	11,348	15,905	1,095	1,207
	number, 2007	10,489	42,575	12,489	15,817	1,348	1,534
	2002	8,665	46,848	13,436	18,507	1,484	1,447
2007 INVENTORY							
Manufactured 2003 to 2007:							
Trucks, including pickups	farms	11,765	26,327	8,034	14,026	1,048	1,145
	number	14,979	30,833	10,461	18,055	1,511	1,324
Tractors	farms	9,998	16,294	3,202	5,593	478	1,010
	number	13,860	20,557	4,094	8,228	644	1,227
Less than 40 horsepower (PTO)	farms	2,591	3,994	916	928	185	542
	number	2,840	4,269	953	1,067	187	584
40 to 99 horsepower (PTO)	farms	6,879	10,095	1,228	1,298	212	515
	number	8,084	11,266	1,374	1,532	258	581
100 horsepower (PTO) or more	farms	1,610	3,656	1,384	3,982	139	48
	number	2,936	5,022	1,767	5,629	199	62
Grain and bean combines, self-propelled	farms	485	1,551	406	3,144	-	-
	number	666	1,673	495	3,299	-	-
Cotton pickers and strippers, self-propelled	farms	238	91	-	-	-	-
	number	358	133	-	-	-	-
Forage harvesters, self-propelled	farms	50	198	390	278	77	13
	number	50	198	411	283	96	13
Hay balers	farms	1,617	4,752	1,738	2,345	173	160
	number	1,717	4,904	1,851	2,501	212	166

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
VALUE OF MACHINERY AND EQUIPMENT [1]						
Estimated market value of all machinery and equipment ....farms, 2007	10,306	20,930	36,351	52,910	31,968	75,860
2002	9,539	13,725	34,991	52,070	29,729	75,445
$1,000, 2007	704,665	1,160,713	3,546,042	4,063,115	5,584,253	6,702,352
2002	514,666	799,643	3,367,939	3,327,385	3,695,269	5,139,223
Average per farm ....dollars, 2007	68,374	55,457	97,550	76,793	174,683	88,352
2002	53,954	58,262	96,252	63,902	124,298	68,119
Farms by value group:						
$1 to $9,999 2007	2,448	5,942	4,849	10,048	4,663	12,492
2002	3,132	4,979	8,296	16,005	7,061	19,537
$10,000 to $19,999 2007	1,841	3,971	4,877	8,907	3,663	11,898
2002	2,091	2,269	5,585	9,591	2,529	12,875
$20,000 to $29,999 2007	1,417	2,749	4,487	7,623	2,685	9,628
2002	985	1,491	4,234	6,457	2,031	8,771
$30,000 to $49,999 2007	1,406	2,699	5,491	8,068	3,337	11,227
2002	1,029	1,675	4,139	6,294	2,695	9,287
$50,000 to $69,999 2007	854	1,756	4,091	5,454	2,731	7,703
2002	669	783	2,806	3,532	2,374	6,082
$70,000 to $99,999 2007	606	1,088	3,120	3,524	2,028	5,548
2002	397	663	2,222	2,881	2,337	4,813
$100,000 to $199,999 2007	899	1,610	5,036	4,710	4,527	8,554
2002	583	1,036	3,971	3,429	4,747	7,291
$200,000 to $499,999 2007	605	848	3,291	3,300	5,230	6,516
2002	535	598	2,503	2,764	4,402	5,548
$500,000 or more 2007	230	267	1,109	1,276	3,104	2,294
2002	118	231	1,235	1,117	1,553	1,241
SELECTED MACHINERY AND EQUIPMENT [1]						
Trucks, including pickups (see text) ....farms, 2007	7,559	16,955	29,018	44,861	24,408	59,554
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2007	16,136	32,481	54,462	94,868	90,923	103,670
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors ....farms, 2007	8,703	12,914	32,130	45,742	25,992	67,187
2002	8,725	10,859	33,145	48,830	25,025	70,776
number, 2007	23,261	22,853	100,095	106,347	89,578	179,839
2002	23,513	21,603	112,357	115,520	87,802	192,381
Less than 40 horsepower (PTO) ....farms, 2007	6,283	6,909	19,386	27,197	10,261	37,188
2002	6,783	6,008	21,410	30,440	10,784	39,950
number, 2007	11,454	8,538	32,351	38,859	16,194	55,679
2002	11,987	7,779	37,318	45,122	16,554	62,943
40 to 99 horsepower (PTO) ....farms, 2007	4,685	6,664	23,587	31,089	16,584	48,100
2002	4,442	5,687	24,335	32,513	17,066	49,523
number, 2007	9,096	9,373	49,601	51,919	26,802	81,062
2002	8,567	8,555	55,369	53,579	28,451	85,557
100 horsepower (PTO) or more ....farms, 2007	1,594	2,789	8,386	7,817	18,492	22,872
2002	1,556	2,768	9,102	8,359	18,064	23,526
number, 2007	2,711	4,942	18,143	15,569	46,582	43,098
2002	2,959	5,269	19,670	16,819	42,797	43,881
Grain and bean combines, self-propelled ....farms, 2007	497	458	2,751	4,918	12,686	18,387
2002	547	674	3,243	5,768	13,744	21,818
number, 2007	580	549	3,183	5,614	17,586	20,299
2002	612	747	3,769	6,535	18,131	24,251
Cotton pickers and strippers, self-propelled ....farms, 2007	-	123	-	1,014	-	11
2002	-	214	-	1,246	-	-
number, 2007	-	155	-	1,330	-	11
2002	-	298	-	1,712	-	-
Forage harvesters, self-propelled ....farms, 2007	147	666	2,059	733	1,569	1,763
2002	103	761	1,979	658	1,493	1,422
number, 2007	153	716	2,217	834	1,692	1,808
2002	107	917	2,198	724	1,678	1,586
Hay balers ....farms, 2007	1,823	3,566	16,447	13,873	10,571	27,042
2002	2,028	2,995	18,441	15,494	12,043	29,500
number, 2007	2,274	4,050	20,686	17,208	12,469	34,306
2002	2,449	3,597	23,075	18,383	14,186	36,194
2007 INVENTORY						
Manufactured 2003 to 2007:						
Trucks, including pickups .... farms	2,677	6,666	10,550	13,159	8,492	16,743
number	3,682	8,889	12,786	17,366	10,960	19,321
Tractors .... farms	2,159	2,498	7,441	10,126	3,804	11,396
number	3,186	3,446	10,362	14,273	6,210	15,217
Less than 40 horsepower (PTO) .... farms	1,244	1,099	3,030	3,468	707	4,535
number	1,527	1,237	3,359	3,962	830	5,053
40 to 99 horsepower (PTO) .... farms	977	1,207	4,091	6,406	832	5,608
number	1,345	1,427	4,967	7,634	958	6,385
100 horsepower (PTO) or more .... farms	247	475	1,375	1,687	2,779	2,787
number	314	782	2,036	2,677	4,422	3,779
Grain and bean combines, self-propelled .... farms	18	34	176	532	1,664	1,744
number	20	46	196	598	2,029	1,840
Cotton pickers and strippers, self-propelled .... farms	-	13	-	177	-	1
number	-	13	-	202	-	(D)
Forage harvesters, self-propelled .... farms	12	93	340	67	172	159
number	14	104	351	70	181	165
Hay balers .... farms	189	503	1,944	1,814	1,679	2,632
number	215	556	2,057	1,944	1,734	2,827

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
VALUE OF MACHINERY AND EQUIPMENT [1]						
Estimated market value of all machinery and equipment	farms, 2007	86,548	38,553	63,158	1,216	25,866
	2002	79,490	37,461	54,830	828	22,764
	$1,000, 2007	5,508,048	3,052,449	4,609,776	79,457	1,680,701
	2002	3,350,879	2,377,364	3,289,501	47,926	1,208,945
Average per farm	dollars, 2007	63,642	79,175	72,988	65,343	64,977
	2002	42,155	63,462	59,995	57,882	53,108
Farms by value group:						
$1 to $9,999	2007	16,391	8,131	11,825	236	5,420
	2002	27,402	12,868	13,475	216	6,796
$10,000 to $19,999	2007	13,960	6,355	9,603	207	4,533
	2002	15,323	6,956	9,753	136	4,614
$20,000 to $29,999	2007	12,037	5,199	7,846	123	3,590
	2002	10,058	4,078	6,899	98	2,981
$30,000 to $49,999	2007	14,021	5,631	9,269	189	4,096
	2002	8,708	4,145	7,081	112	3,038
$50,000 to $69,999	2007	9,159	3,814	6,672	146	2,624
	2002	6,031	2,315	4,653	84	1,649
$70,000 to $99,999	2007	6,479	2,371	4,982	79	1,756
	2002	3,722	1,892	3,679	55	887
$100,000 to $199,999	2007	8,677	3,506	7,377	145	2,141
	2002	4,900	2,515	5,518	77	1,586
$200,000 to $499,999	2007	4,762	2,552	4,473	82	1,285
	2002	2,863	1,888	3,191	39	877
$500,000 or more	2007	1,062	994	1,111	9	421
	2002	483	804	581	11	336
SELECTED MACHINERY AND EQUIPMENT [1]						
Trucks, including pickups (see text)	farms, 2007	77,440	31,808	42,506	917	20,544
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	number, 2007	155,645	68,850	73,954	1,725	36,700
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors	farms, 2007	73,135	30,798	52,901	947	23,016
	2002	72,178	32,546	50,432	704	21,085
	number, 2007	131,140	65,208	147,025	2,214	48,315
	2002	126,092	67,746	144,605	1,818	44,595
Less than 40 horsepower (PTO)	farms, 2007	29,667	20,170	31,917	623	12,456
	2002	30,592	21,862	31,316	529	11,545
	number, 2007	35,457	28,119	51,045	1,082	16,871
	2002	36,320	31,134	52,327	946	15,614
40 to 99 horsepower (PTO)	farms, 2007	47,519	16,030	37,814	589	15,398
	2002	43,860	15,990	36,285	407	14,034
	number, 2007	64,700	26,648	72,109	997	24,558
	2002	59,155	27,108	71,013	745	22,587
100 horsepower (PTO) or more	farms, 2007	19,753	5,363	14,034	99	4,059
	2002	19,362	4,745	12,848	82	3,415
	number, 2007	30,983	10,441	23,871	135	6,886
	2002	30,617	9,504	21,265	127	6,394
Grain and bean combines, self-propelled	farms, 2007	6,353	1,971	6,969	6	1,887
	2002	7,515	2,261	8,198	7	2,175
	number, 2007	7,813	3,055	7,609	7	2,185
	2002	9,120	3,138	8,803	8	2,531
Cotton pickers and strippers, self-propelled	farms, 2007	237	-	-	-	326
	2002	281	-	-	-	320
	number, 2007	318	-	-	-	450
	2002	411	-	-	-	530
Forage harvesters, self-propelled	farms, 2007	1,638	1,552	2,978	9	247
	2002	1,430	1,428	2,345	9	532
	number, 2007	1,724	1,754	3,104	9	258
	2002	1,557	1,659	2,533	11	562
Hay balers	farms, 2007	20,221	7,964	28,409	246	5,537
	2002	19,406	8,055	30,256	187	5,267
	number, 2007	24,271	9,277	35,006	273	6,900
	2002	23,503	9,124	36,412	216	6,275
2007 INVENTORY						
Manufactured 2003 to 2007:						
Trucks, including pickups	farms	29,957	8,762	11,239	355	6,104
	number	37,219	11,141	12,979	438	7,565
Tractors	farms	15,525	7,017	9,218	221	5,589
	number	18,845	9,566	12,097	280	7,540
Less than 40 horsepower (PTO)	farms	4,681	3,891	4,288	121	1,853
	number	4,920	4,574	4,816	134	2,119
40 to 99 horsepower (PTO)	farms	9,519	3,027	4,728	99	3,661
	number	10,548	3,805	5,557	126	4,396
100 horsepower (PTO) or more	farms	2,705	875	1,388	17	744
	number	3,377	1,187	1,724	20	1,025
Grain and bean combines, self-propelled	farms	361	173	245	-	171
	number	419	236	257	-	204
Cotton pickers and strippers, self-propelled	farms	70	-	-	-	44
	number	78	-	-	-	67
Forage harvesters, self-propelled	farms	293	186	264	4	38
	number	309	226	279	4	38
Hay balers	farms	3,919	889	2,390	27	937
	number	4,155	1,025	2,574	28	1,015

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
VALUE OF MACHINERY AND EQUIPMENT [1]					
Estimated market value of all machinery and equipment ....farms, 2007	31,141	79,280	247,409	16,685	6,984
2002	31,106	84,947	227,303	13,993	6,349
$1,000, 2007	4,847,160	4,668,199	15,920,800	1,257,461	520,310
2002	3,340,044	3,844,998	9,217,812	875,958	419,630
Average per farm ....dollars, 2007	155,652	58,882	64,350	75,365	74,500
2002	107,376	45,263	40,553	62,600	66,094
Farms by value group:					
$1 to $9,999 2007	4,130	12,785	49,208	3,464	1,225
2002	5,932	24,949	84,184	4,461	1,612
$10,000 to $19,999 2007	3,361	13,906	43,700	2,566	1,016
2002	3,526	17,437	47,375	2,142	1,021
$20,000 to $29,999 2007	2,623	11,963	35,392	2,132	859
2002	2,556	12,601	27,592	1,474	653
$30,000 to $49,999 2007	3,379	13,972	39,152	2,245	1,121
2002	3,499	11,166	25,055	1,490	747
$50,000 to $69,999 2007	2,672	9,209	24,834	1,813	739
2002	2,636	5,915	13,328	1,353	642
$70,000 to $99,999 2007	2,252	5,908	16,595	1,189	547
2002	2,745	4,131	8,963	810	364
$100,000 to $199,999 2007	5,234	7,287	21,689	1,784	845
2002	4,986	5,316	11,539	1,160	725
$200,000 to $499,999 2007	5,194	3,500	13,057	1,151	489
2002	4,189	2,550	7,529	880	492
$500,000 or more 2007	2,296	750	3,782	341	143
2002	1,037	882	1,738	223	93
SELECTED MACHINERY AND EQUIPMENT [1]					
Trucks, including pickups (see text) ....farms, 2007	26,724	64,654	200,179	14,180	5,201
2002	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2007	72,142	108,969	318,316	28,802	8,125
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors ....farms, 2007	27,267	69,431	205,430	12,749	5,942
2002	29,229	79,581	224,544	11,950	5,357
number, 2007	89,306	135,534	359,384	25,712	15,047
2002	94,737	153,429	389,981	24,747	14,954
Less than 40 horsepower (PTO) ....farms, 2007	10,265	33,904	92,556	6,066	3,481
2002	12,101	40,165	103,263	6,337	3,193
number, 2007	16,309	44,048	111,717	7,839	5,053
2002	18,818	53,839	127,298	8,285	5,009
40 to 99 horsepower (PTO) ....farms, 2007	18,797	51,161	129,971	8,341	4,010
2002	20,486	54,857	135,391	7,404	3,562
number, 2007	32,491	76,782	173,442	12,534	7,668
2002	37,326	81,429	180,530	11,491	7,425
100 horsepower (PTO) or more ....farms, 2007	17,683	9,057	44,427	3,147	1,109
2002	17,843	10,563	48,015	2,801	1,372
number, 2007	40,506	14,704	74,225	5,339	2,326
2002	38,593	18,161	82,153	4,971	2,520
Grain and bean combines, self-propelled ....farms, 2007	10,269	3,117	7,454	809	61
2002	11,756	4,284	9,973	912	70
number, 2007	12,320	3,657	9,064	931	64
2002	13,813	4,939	11,330	1,077	77
Cotton pickers and strippers, self-propelled ....farms, 2007	-	474	5,086	-	-
2002	-	647	5,883	-	-
number, 2007	-	715	7,287	-	-
2002	-	968	8,129	-	-
Forage harvesters, self-propelled ....farms, 2007	2,245	847	2,334	1,935	238
2002	2,418	1,154	2,988	1,942	232
number, 2007	2,355	889	2,776	2,064	264
2002	2,573	1,252	3,302	2,105	249
Hay balers ....farms, 2007	13,651	27,387	35,553	6,342	2,699
2002	16,666	30,829	33,243	6,520	2,793
number, 2007	15,876	34,334	43,206	7,227	3,345
2002	19,444	38,055	40,750	7,623	3,357
2007 INVENTORY					
Manufactured 2003 to 2007:					
Trucks, including pickups ....farms	9,623	17,369	78,194	4,927	1,866
number	12,401	20,214	95,497	6,067	2,107
Tractors ....farms	4,861	14,258	53,638	2,576	1,562
number	7,350	17,767	67,442	3,323	1,943
Less than 40 horsepower (PTO) ....farms	713	3,900	17,325	814	626
number	847	4,325	18,701	888	668
40 to 99 horsepower (PTO) ....farms	1,291	10,410	32,912	1,405	875
number	1,502	11,650	36,680	1,567	995
100 horsepower (PTO) or more ....farms	3,552	1,406	8,642	638	219
number	5,001	1,792	12,061	868	280
Grain and bean combines, self-propelled ....farms	1,449	324	920	25	4
number	1,744	361	1,071	29	(D)
Cotton pickers and strippers, self-propelled ....farms	-	116	1,534	-	-
number	-	169	1,845	-	-
Forage harvesters, self-propelled ....farms	276	133	533	270	41
number	282	137	595	289	43
Hay balers ....farms	2,632	3,959	7,683	1,015	318
number	2,777	4,161	8,345	1,064	337

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
VALUE OF MACHINERY AND EQUIPMENT [1]					
Estimated market value of all machinery and equipment ..... farms, 2007	47,380	39,283	23,612	78,463	11,069
2002	46,303	33,543	18,956	74,500	9,000
$1,000, 2007	3,120,923	3,278,858	917,826	7,554,247	1,077,635
2002	2,005,079	2,690,548	496,427	5,386,373	672,815
Average per farm ..... dollars, 2007	65,870	83,468	38,871	96,278	97,356
2002	43,303	80,212	26,188	72,300	74,757
Farms by value group:					
$1 to $9,999 2007	8,463	8,794	5,922	14,574	1,854
2002	13,985	10,691	7,388	21,803	1,834
$10,000 to $19,999 2007	7,573	6,735	4,586	12,103	1,268
2002	8,534	5,286	3,694	11,890	1,107
$20,000 to $29,999 2007	6,388	5,112	3,544	8,984	1,113
2002	6,190	3,571	2,909	7,386	1,102
$30,000 to $49,999 2007	7,800	5,732	3,663	10,222	1,448
2002	6,530	3,592	2,353	7,797	1,028
$50,000 to $69,999 2007	5,273	3,625	2,382	7,059	1,236
2002	3,396	2,403	1,068	5,496	814
$70,000 to $99,999 2007	3,653	2,328	1,432	5,335	1,013
2002	2,615	1,955	702	4,486	725
$100,000 to $199,999 2007	4,845	3,212	1,555	9,874	1,561
2002	3,208	2,797	646	8,686	1,550
$200,000 to $499,999 2007	2,735	2,643	467	7,666	1,258
2002	1,597	2,166	181	5,376	734
$500,000 or more 2007	650	1,102	61	2,646	318
2002	248	1,082	15	1,580	106
SELECTED MACHINERY AND EQUIPMENT [1]					
Trucks, including pickups (see text) ..... farms, 2007	39,128	32,299	17,599	59,773	9,195
2002	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2007	74,156	72,330	26,160	99,726	24,425
2002	(NA)	(NA)	(NA)	(NA)	(NA)
Tractors ..... farms, 2007	42,670	31,130	20,516	67,602	8,541
2002	43,443	29,941	17,627	69,242	7,309
number, 2007	93,538	68,686	39,174	211,957	20,392
2002	92,928	70,993	32,300	219,442	19,589
Less than 40 horsepower (PTO) ..... farms, 2007	23,062	18,543	11,642	35,715	3,792
2002	24,988	18,300	10,808	38,652	3,366
number, 2007	31,792	25,319	15,438	56,431	5,230
2002	34,237	26,310	13,669	62,916	4,796
40 to 99 horsepower (PTO) ..... farms, 2007	30,694	16,669	14,175	51,506	5,626
2002	29,864	16,230	11,132	53,949	5,160
number, 2007	51,955	29,679	22,300	99,914	8,886
2002	49,724	31,074	17,183	110,026	8,632
100 horsepower (PTO) or more ..... farms, 2007	5,782	6,431	1,078	26,989	3,363
2002	5,580	6,181	1,026	25,652	3,215
number, 2007	9,791	13,688	1,436	55,612	6,276
2002	8,967	13,609	1,448	46,500	6,161
Grain and bean combines, self-propelled ..... farms, 2007	2,432	2,522	312	12,450	739
2002	2,926	3,414	276	13,709	1,032
number, 2007	2,870	3,839	334	13,815	942
2002	3,264	5,085	306	14,973	1,260
Cotton pickers and strippers, self-propelled ..... farms, 2007	111	-	-	-	-
2002	167	-	-	-	-
number, 2007	144	-	-	-	-
2002	180	-	-	-	-
Forage harvesters, self-propelled ..... farms, 2007	951	1,556	240	5,242	1,322
2002	988	1,642	280	4,401	1,356
number, 2007	1,001	1,711	246	5,529	1,464
2002	1,057	1,911	287	5,050	1,560
Hay balers ..... farms, 2007	20,067	7,281	12,367	32,666	4,189
2002	20,412	8,026	10,940	35,774	4,223
number, 2007	26,334	8,503	15,990	40,187	5,223
2002	26,047	9,164	13,947	43,390	5,334
2007 INVENTORY					
Manufactured 2003 to 2007:					
Trucks, including pickups ..... farms	9,948	8,232	4,615	15,548	3,573
number	11,459	10,967	5,119	18,040	4,948
Tractors ..... farms	10,406	6,429	4,706	9,630	1,483
number	13,202	9,659	5,444	13,777	2,052
Less than 40 horsepower (PTO) ..... farms	3,523	3,155	1,515	3,349	409
number	3,871	3,524	1,597	3,703	467
40 to 99 horsepower (PTO) ..... farms	6,897	2,920	3,321	4,315	681
number	7,912	4,463	3,708	5,002	825
100 horsepower (PTO) or more ..... farms	1,168	962	121	3,398	580
number	1,419	1,672	139	5,072	760
Grain and bean combines, self-propelled ..... farms	186	243	15	966	19
number	204	302	15	1,043	20
Cotton pickers and strippers, self-propelled ..... farms	14	-	-	-	-
number	14	-	-	-	-
Forage harvesters, self-propelled ..... farms	110	190	33	682	196
number	113	222	34	711	211
Hay balers ..... farms	3,111	756	1,497	2,534	736
number	3,277	856	1,577	2,669	797

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
2007 INVENTORY - Con.						
Manufactured prior to 2003:						
Trucks, including pickups (see text) ..... farms	1,496,339	35,041	461	8,787	34,244	52,231
number	2,780,976	58,892	960	14,233	59,403	101,433
Tractors ..... farms	1,664,161	37,348	414	4,758	36,636	50,595
number	3,859,710	66,094	1,012	8,934	68,517	120,765
Less than 40 horsepower (PTO) ..... farms	807,659	16,595	231	2,592	15,400	29,701
number	1,137,922	20,379	339	3,307	18,476	44,834
40 to 99 horsepower (PTO) ..... farms	1,098,874	25,976	275	2,292	24,599	27,778
number	1,747,765	37,419	492	3,534	35,230	54,882
100 horsepower (PTO) or more ..... farms	516,702	5,219	113	1,019	7,012	9,550
number	974,023	8,296	181	2,093	14,811	21,049
Grain and bean combines, self-propelled ..... farms	262,538	1,527	30	107	2,872	1,261
number	305,515	1,805	(D)	125	3,553	1,856
Cotton pickers and strippers, self-propelled ..... farms	9,716	495	-	129	453	362
number	13,924	732	-	206	676	745
Forage harvesters, self-propelled ..... farms	52,926	222	15	117	215	1,166
number	55,810	232	(D)	135	226	1,334
Hay balers ..... farms	530,680	9,993	214	479	11,294	3,044
number	639,553	11,865	(D)	570	13,074	3,587

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
2007 INVENTORY - Con.						
Manufactured prior to 2003:						
Trucks, including pickups (see text) ..... farms	25,980	3,113	1,804	25,570	32,668	4,571
number	58,786	5,997	4,631	36,663	56,629	6,630
Tractors ..... farms	26,502	3,609	1,884	29,333	36,223	2,571
number	55,531	9,439	5,043	47,892	67,215	4,252
Less than 40 horsepower (PTO) ..... farms	11,396	2,564	1,084	16,362	16,588	1,800
number	15,208	4,766	1,587	20,563	20,626	2,437
40 to 99 horsepower (PTO) ..... farms	16,120	2,094	1,208	15,655	23,785	935
number	23,266	3,821	1,987	22,186	34,624	1,414
100 horsepower (PTO) or more ..... farms	9,568	520	718	3,335	6,917	255
number	17,057	852	1,469	5,143	11,965	401
Grain and bean combines, self-propelled ..... farms	3,103	29	557	334	2,244	16
number	3,938	(D)	652	402	2,554	(D)
Cotton pickers and strippers, self-propelled ..... farms	-	-	-	84	1,071	-
number	-	-	-	98	1,389	-
Forage harvesters, self-propelled ..... farms	2,034	95	35	97	269	19
number	2,163	100	35	106	275	(D)
Hay balers ..... farms	8,059	1,390	338	2,533	7,732	12
number	9,985	1,586	400	2,945	9,215	(D)

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
2007 INVENTORY - Con.						
Manufactured prior to 2003:						
Trucks, including pickups (see text) ..... farms	19,068	51,607	40,626	63,657	50,776	59,472
number	47,572	96,290	77,372	110,377	129,006	97,180
Tractors ..... farms	18,302	61,951	47,292	75,668	51,357	68,446
number	42,395	180,084	119,159	223,553	120,164	140,698
Less than 40 horsepower (PTO) ..... farms	8,451	28,175	22,582	30,786	18,979	36,601
number	11,265	41,473	31,983	47,733	25,455	50,206
40 to 99 horsepower (PTO) ..... farms	11,311	42,317	31,148	52,236	31,255	49,718
number	17,447	68,894	48,193	86,150	47,715	75,942
100 horsepower (PTO) or more ..... farms	6,623	33,026	19,829	44,892	25,057	9,753
number	13,683	69,717	38,983	89,670	46,994	14,550
Grain and bean combines, self-propelled ..... farms	2,817	23,154	14,360	28,528	17,687	3,530
number	3,696	26,005	16,006	31,006	21,938	4,067
Cotton pickers and strippers, self-propelled ..... farms	-	-	-	-	46	-
number	-	-	-	-	(D)	-
Forage harvesters, self-propelled ..... farms	2,290	1,184	878	2,237	2,121	1,009
number	2,452	1,194	886	2,266	2,200	1,029
Hay balers ..... farms	7,236	14,119	13,962	20,021	17,382	28,844
number	8,244	17,039	16,803	23,326	21,044	35,729

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
2007 INVENTORY - Con.						
Manufactured prior to 2003:						
Trucks, including pickups (see text) ..... farms	17,538	5,310	8,329	4,704	36,030	57,472
number	26,950	9,918	15,581	8,904	64,329	114,407
Tractors ..... farms	21,984	5,614	10,096	5,172	45,737	67,498
number	43,423	12,373	27,028	11,793	126,059	213,982
Less than 40 horsepower (PTO) ..... farms	9,406	3,461	6,079	3,571	25,356	34,587
number	11,468	4,944	9,746	5,898	40,053	57,278
40 to 99 horsepower (PTO) ..... farms	13,981	3,321	6,765	2,948	31,979	49,327
number	20,122	5,645	12,105	5,124	56,413	86,401
100 horsepower (PTO) or more ..... farms	5,958	818	2,927	574	15,259	34,948
number	11,833	1,784	5,177	771	29,593	70,303
Grain and bean combines, self-propelled ..... farms	1,666	199	1,630	25	10,283	22,627
number	2,135	220	1,832	28	11,804	26,122
Cotton pickers and strippers, self-propelled ..... farms	570	-	4	-	-	-
number	853	-	4	-	-	-
Forage harvesters, self-propelled ..... farms	160	124	336	82	1,724	3,318
number	168	132	344	86	1,780	3,377
Hay balers ..... farms	4,850	2,156	3,753	1,653	16,921	26,097
number	5,788	2,625	4,670	1,938	20,891	32,078

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
2007 INVENTORY - Con.						
Manufactured prior to 2003:						
Trucks, including pickups (see text) ....farms	28,036	77,843	21,996	37,306	2,354	2,597
....number	44,541	134,857	62,268	93,914	5,659	4,194
Tractors ....farms	32,052	86,022	20,231	38,455	2,095	2,885
....number	58,749	176,547	48,970	117,237	4,866	6,312
Less than 40 horsepower (PTO) ....farms	13,439	35,910	8,972	14,841	1,075	1,970
....number	16,360	46,959	12,220	24,062	1,434	3,160
40 to 99 horsepower (PTO) ....farms	21,646	60,779	12,277	25,409	1,221	1,536
....number	30,460	90,516	18,177	43,826	2,030	2,686
100 horsepower (PTO) or more ....farms	6,810	23,421	9,900	24,147	673	296
....number	11,929	39,072	18,573	49,349	1,402	466
Grain and bean combines, self-propelled ....farms	1,817	13,237	5,005	14,528	61	8
....number	2,275	15,138	6,297	16,201	80	9
Cotton pickers and strippers, self-propelled ....farms	496	285	-	-	-	-
....number	752	389	-	-	-	-
Forage harvesters, self-propelled ....farms	196	1,140	2,946	1,982	369	38
....number	197	1,171	3,145	2,040	471	41
Hay balers ....farms	7,446	31,537	8,985	11,609	881	1,161
....number	8,772	37,671	10,638	13,316	1,136	1,368

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
2007 INVENTORY - Con.						
Manufactured prior to 2003:						
Trucks, including pickups (see text) ....farms	6,151	13,713	22,774	39,454	22,878	50,468
....number	12,454	23,592	41,676	77,502	79,963	84,349
Tractors ....farms	7,613	11,393	29,313	41,206	25,143	62,889
....number	20,075	19,407	89,733	92,074	83,368	164,622
Less than 40 horsepower (PTO) ....farms	5,408	6,008	17,159	24,497	9,717	33,692
....number	9,927	7,301	28,992	34,897	15,364	50,626
40 to 99 horsepower (PTO) ....farms	4,114	5,783	21,559	27,179	16,014	44,840
....number	7,751	7,946	44,634	44,285	25,844	74,677
100 horsepower (PTO) or more ....farms	1,455	2,520	7,855	7,077	17,795	21,786
....number	2,397	4,160	16,107	12,892	42,160	39,319
Grain and bean combines, self-propelled ....farms	490	429	2,609	4,463	11,493	16,785
....number	560	503	2,987	5,016	15,557	18,459
Cotton pickers and strippers, self-propelled ....farms	-	112	-	883	-	10
....number	-	142	-	1,128	-	(D)
Forage harvesters, self-propelled ....farms	136	583	1,737	669	1,407	1,607
....number	139	612	1,866	764	1,511	1,643
Hay balers ....farms	1,697	3,140	15,142	12,573	9,102	25,334
....number	2,059	3,494	18,629	15,264	10,735	31,479

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
2007 INVENTORY - Con.					
Manufactured prior to 2003:					
Trucks, including pickups (see text) ....farms	64,954	28,014	36,057	727	17,517
....number	118,426	57,709	60,975	1,287	29,135
Tractors ....farms	64,197	26,993	49,300	840	20,300
....number	112,295	55,642	134,928	1,934	40,775
Less than 40 horsepower (PTO) ....farms	25,569	17,129	28,873	537	11,041
....number	30,537	23,545	46,229	948	14,752
40 to 99 horsepower (PTO) ....farms	40,503	14,147	35,287	520	13,036
....number	54,152	22,843	66,552	871	20,162
100 horsepower (PTO) or more ....farms	18,082	4,968	13,402	85	3,648
....number	27,606	9,254	22,147	115	5,861
Grain and bean combines, self-propelled ....farms	6,039	1,851	6,751	6	1,748
....number	7,394	2,819	7,352	7	1,981
Cotton pickers and strippers, self-propelled ....farms	182	-	-	-	292
....number	240	-	-	-	383
Forage harvesters, self-propelled ....farms	1,369	1,389	2,726	5	212
....number	1,415	1,528	2,825	5	220
Hay balers ....farms	17,011	7,248	26,861	227	4,820
....number	20,116	8,252	32,432	245	5,885

Item	South Dakota	Tennessee	Texas	Utah	Vermont
2007 INVENTORY - Con.					
Manufactured prior to 2003:					
Trucks, including pickups (see text) ....farms	23,908	55,569	152,311	12,011	3,954
....number	59,741	88,755	222,819	22,735	6,018
Tractors ....farms	26,075	62,309	173,067	11,480	5,259
....number	81,956	117,767	291,942	22,389	13,104
Less than 40 horsepower (PTO) ....farms	9,685	30,705	77,496	5,382	2,983
....number	15,462	39,723	93,016	6,951	4,385
40 to 99 horsepower (PTO) ....farms	17,961	44,386	104,432	7,403	3,499
....number	30,989	65,132	136,762	10,967	6,673
100 horsepower (PTO) or more ....farms	16,586	8,183	39,212	2,822	1,026
....number	35,505	12,912	62,164	4,471	2,046
Grain and bean combines, self-propelled ....farms	9,023	2,842	6,664	789	58
....number	10,576	3,296	7,993	902	(D)
Cotton pickers and strippers, self-propelled ....farms	-	386	3,753	-	-
....number	-	546	5,442	-	-
Forage harvesters, self-propelled ....farms	1,986	719	1,865	1,691	203
....number	2,073	752	2,181	1,775	221
Hay balers ....farms	11,328	24,428	29,282	5,475	2,481
....number	13,099	30,173	34,861	6,163	3,008

See footnote(s) at end of table.

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Table 41. **Machinery and Equipment on Operation: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
2007 INVENTORY - Con.					
Manufactured prior to 2003:					
Trucks, including pickups (see text) .....farms	34,240	28,625	14,670	51,120	8,033
number	62,697	61,363	21,041	81,686	19,477
Tractors .....farms	37,931	27,568	18,383	64,275	7,897
number	80,336	59,027	33,730	198,180	18,340
Less than 40 horsepower (PTO) .....farms	20,326	15,895	10,501	33,064	3,438
number	27,921	21,795	13,841	52,728	4,763
40 to 99 horsepower (PTO) .....farms	26,702	14,885	12,271	49,285	5,177
number	44,043	25,216	18,592	94,912	8,061
100 horsepower (PTO) or more .....farms	5,082	5,974	1,000	25,941	3,066
number	8,372	12,016	1,297	50,540	5,516
Grain and bean combines, self-propelled .....farms	2,286	2,350	297	11,602	721
number	2,666	3,537	319	12,772	922
Cotton pickers and strippers, self-propelled .....farms	103	-	-	-	-
number	130	-	-	-	-
Forage harvesters, self-propelled .....farms	849	1,393	207	4,605	1,150
number	888	1,489	212	4,818	1,253
Hay balers .....farms	18,066	6,657	11,442	31,055	3,610
number	23,057	7,647	14,413	37,518	4,426

[1] 2002 data are based on a sample of farms.

Table 42. **Fertilizers and Chemicals Applied: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item		United States	Alabama	Alaska	Arizona	Arkansas	California
Commercial fertilizer, lime, and soil conditioners [1 2]	farms, 2007	1,022,036	22,575	329	2,723	19,607	43,321
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	acres treated, 2007	265,995,497	2,236,223	28,155	758,296	6,275,628	6,728,011
	2002	248,060,293	2,131,242	27,256	804,352	6,163,706	7,858,818
Cropland fertilized, except cropland pastured	farms, 2007	815,817	10,708	305	2,328	11,360	41,286
	2002	894,260	10,323	276	2,423	13,990	45,321
	acres treated, 2007	240,992,721	1,359,039	25,760	744,291	5,400,375	6,581,577
	2002	224,080,451	1,329,319	25,097	796,477	5,215,080	7,728,457
Pastureland and rangeland fertilized	farms, 2007	336,863	15,277	71	458	10,699	2,600
	2002	361,145	14,579	56	379	12,291	2,625
	acres treated, 2007	25,002,776	877,184	2,395	14,005	875,253	146,434
	2002	23,979,842	801,923	2,159	7,875	948,626	130,361
Manure [1]	farms, 2007	307,073	6,187	76	555	6,775	6,686
	2002	347,585	5,574	70	745	7,218	7,436
	acres treated, 2007	22,096,315	451,641	1,842	90,642	668,787	645,305
	2002	22,749,251	403,936	1,547	91,978	610,094	725,529
Chemicals used to control- [1]							
Insects	farms, 2007	354,357	5,412	32	1,111	4,431	30,850
	2002	357,274	4,597	28	1,540	4,770	33,340
	acres treated, 2007	90,947,822	846,249	715	615,595	2,660,407	5,780,492
	2002	65,697,023	695,992	495	589,093	2,073,357	5,522,671
Weeds, grass, or brush	farms, 2007	703,884	12,579	83	1,173	14,268	30,656
	2002	708,252	11,122	64	1,416	13,710	33,139
	acres treated, 2007	226,295,783	1,356,648	9,751	560,730	5,563,192	4,819,747
	2002	193,968,317	1,257,946	6,294	513,462	5,172,219	5,343,823
Nematodes	farms, 2007	34,992	666	3	66	513	3,012
	2002	35,877	776	2	89	432	3,479
	acres treated, 2007	7,560,158	149,214	(D)	38,802	374,246	412,659
	2002	5,936,346	185,072	(D)	28,776	223,251	365,616
Diseases in crops and orchards	farms, 2007	97,333	1,124	7	139	1,933	14,877
	2002	92,334	1,455	1	290	1,504	17,349
	acres treated, 2007	22,693,212	166,563	147	53,683	1,391,413	2,168,502
	2002	12,392,352	157,800	(D)	57,063	610,344	2,163,639
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1]	farms, 2007	44,638	928	9	286	989	7,018
	2002	44,725	896	2	307	1,121	6,043
	acres treated, 2007	12,125,799	319,226	173	157,836	913,063	1,237,257
	2002	10,874,350	374,503	(D)	162,112	869,072	995,403

Item		Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Commercial fertilizer, lime, and soil conditioners [1 2]	farms, 2007	10,533	2,246	1,268	23,433	22,585	4,785
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	acres treated, 2007	4,727,645	80,872	350,990	2,867,359	3,421,133	116,530
	2002	3,519,111	99,981	406,936	3,039,792	3,182,480	127,996
Cropland fertilized, except cropland pastured	farms, 2007	9,150	1,988	1,177	14,898	13,385	4,581
	2002	9,136	1,820	1,202	17,128	14,056	3,941
	acres treated, 2007	4,544,248	74,465	348,301	1,773,597	2,842,373	90,732
	2002	3,451,201	93,310	403,595	2,118,739	2,583,641	116,609
Pastureland and rangeland fertilized	farms, 2007	2,208	497	153	10,088	12,145	250
	2002	1,533	469	179	8,442	13,338	134
	acres treated, 2007	183,397	6,407	2,689	1,093,762	578,760	25,798
	2002	67,910	6,671	3,341	921,053	598,839	11,387
Manure [1]	farms, 2007	3,723	1,046	581	3,375	6,620	705
	2002	3,626	1,141	695	2,477	6,524	730
	acres treated, 2007	279,420	30,017	86,042	147,584	496,389	3,859
	2002	220,736	42,632	84,903	175,125	408,857	3,812
Chemicals used to control- [1]							
Insects	farms, 2007	3,717	830	619	11,588	8,717	2,012
	2002	3,766	734	530	13,203	9,056	1,840
	acres treated, 2007	1,171,003	28,186	183,284	1,581,664	2,106,774	33,474
	2002	851,005	28,080	149,622	1,784,261	1,830,739	41,616
Weeds, grass, or brush	farms, 2007	9,215	934	992	13,311	13,608	3,053
	2002	7,355	856	1,076	14,906	13,513	2,820
	acres treated, 2007	4,025,121	40,212	335,199	1,484,363	2,300,886	98,108
	2002	2,721,058	45,128	333,103	2,007,623	2,196,073	101,258
Nematodes	farms, 2007	234	80	56	2,192	1,634	253
	2002	230	64	32	2,948	1,972	275
	acres treated, 2007	50,399	3,701	6,752	283,547	479,919	6,889
	2002	48,968	2,076	(D)	341,080	451,632	8,169
Diseases in crops and orchards	farms, 2007	692	457	159	5,314	2,590	836
	2002	684	415	188	8,215	2,825	800
	acres treated, 2007	127,163	11,812	27,824	809,247	543,770	9,716
	2002	108,349	15,221	20,608	1,181,175	499,949	30,824
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1]	farms, 2007	253	137	25	1,850	2,423	255
	2002	270	89	34	1,287	1,991	216
	acres treated, 2007	37,333	2,147	2,857	277,120	855,070	15,677
	2002	53,911	1,468	3,632	205,921	729,171	26,378

See footnote(s) at end of table.

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Table 42. **Fertilizers and Chemicals Applied: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Commercial fertilizer, lime, and soil conditioners [1 2] ....farms, 2007	10,039	46,495	34,040	56,012	36,843	38,848
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2007	3,503,716	19,192,910	10,377,976	19,009,410	19,587,868	4,227,204
2002	3,549,336	16,782,432	9,117,243	16,295,095	18,108,114	3,995,943
Cropland fertilized, except cropland pastured ....farms, 2007	8,048	44,470	31,559	53,790	31,767	28,775
2002	8,562	47,209	32,332	55,204	33,682	41,923
acres treated, 2007	3,352,360	18,976,174	10,210,411	18,414,106	18,133,537	3,132,851
2002	3,429,696	16,545,246	8,960,114	15,667,911	16,781,674	2,986,164
Pastureland and rangeland fertilized ....farms, 2007	3,250	5,352	5,744	8,064	10,444	19,732
2002	2,933	5,812	6,332	8,953	9,712	21,797
acres treated, 2007	151,356	216,736	167,565	595,304	1,454,331	1,094,353
2002	119,640	237,186	157,129	627,184	1,326,440	1,009,779
Manure [1] ....farms, 2007	3,541	10,801	10,872	21,877	5,646	10,812
2002	3,902	13,187	14,236	26,512	5,881	10,769
acres treated, 2007	277,893	600,286	627,641	2,331,503	551,116	407,636
2002	281,135	755,625	696,485	2,333,984	540,838	364,471
Chemicals used to control- [1]						
Insects ....farms, 2007	3,281	24,734	12,308	29,357	8,980	9,751
2002	3,333	24,773	12,372	20,331	8,944	17,396
acres treated, 2007	1,063,684	8,263,478	3,763,538	7,703,762	3,228,032	1,148,425
2002	989,857	5,848,946	2,579,182	3,714,004	2,175,534	694,573
Weeds, grass, or brush ....farms, 2007	9,538	38,472	24,824	47,451	26,876	16,287
2002	9,078	40,212	25,540	46,334	24,597	19,179
acres treated, 2007	2,654,205	19,947,762	10,436,246	19,289,715	14,882,494	2,342,623
2002	2,539,472	18,112,970	8,632,117	16,716,673	10,303,445	1,957,109
Nematodes ....farms, 2007	422	2,303	1,452	3,546	399	577
2002	577	1,827	1,031	1,782	362	737
acres treated, 2007	188,043	489,338	322,965	671,571	125,357	62,975
2002	243,399	284,103	145,579	292,947	64,566	25,778
Diseases in crops and orchards ....farms, 2007	844	4,823	2,372	3,909	2,038	2,247
2002	978	1,425	1,113	834	548	4,011
acres treated, 2007	359,825	1,425,191	571,259	864,595	1,049,277	216,064
2002	387,232	126,617	95,256	113,930	71,114	89,983
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1] ....farms, 2007	493	445	395	279	92	1,575
2002	532	332	313	190	432	2,127
acres treated, 2007	160,401	41,275	23,531	19,087	26,069	27,602
2002	183,835	48,277	8,074	3,196	94,612	32,880

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Commercial fertilizer, lime, and soil conditioners [1 2] ....farms, 2007	12,644	2,753	6,466	3,330	26,431	41,674
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2007	3,043,239	221,766	1,085,396	98,188	5,711,776	14,802,681
2002	3,018,494	239,758	1,059,252	107,375	5,476,283	13,508,782
Cropland fertilized, except cropland pastured ....farms, 2007	6,891	2,462	5,634	2,921	25,082	40,418
2002	8,331	2,824	5,904	2,671	24,450	39,644
acres treated, 2007	2,593,371	215,203	1,038,607	89,165	5,651,519	14,645,173
2002	2,604,749	230,385	1,003,516	99,678	5,423,039	13,390,425
Pastureland and rangeland fertilized ....farms, 2007	6,932	502	1,944	668	2,968	3,613
2002	7,017	574	2,024	554	2,920	3,173
acres treated, 2007	449,868	6,563	46,789	9,023	60,257	157,508
2002	413,745	9,373	55,736	7,697	53,244	118,357
Manure [1] ....farms, 2007	1,592	1,596	3,150	1,301	10,876	18,970
2002	1,139	1,928	3,485	1,498	11,955	22,288
acres treated, 2007	100,902	81,517	241,641	32,236	806,350	1,663,594
2002	63,717	95,447	251,097	29,537	700,621	1,864,031
Chemicals used to control- [1]						
Insects ....farms, 2007	4,496	1,300	2,459	1,441	9,513	19,182
2002	5,217	1,356	2,391	1,464	8,314	8,694
acres treated, 2007	2,026,888	136,110	418,804	41,176	1,667,647	5,637,340
2002	2,143,485	132,866	297,784	42,128	990,827	1,634,613
Weeds, grass, or brush ....farms, 2007	8,246	1,164	4,501	1,326	18,681	34,775
2002	8,484	1,203	4,285	1,301	18,709	31,615
acres treated, 2007	2,590,672	129,544	881,282	41,313	4,834,758	14,085,409
2002	2,701,576	164,738	726,366	45,942	4,387,194	11,820,351
Nematodes ....farms, 2007	466	86	185	103	1,016	2,472
2002	531	114	220	186	971	861
acres treated, 2007	182,615	4,864	30,412	1,921	126,221	588,423
2002	165,910	7,754	21,509	4,664	86,159	166,242
Diseases in crops and orchards ....farms, 2007	1,401	596	724	720	3,670	3,005
2002	1,525	700	831	795	3,315	1,676
acres treated, 2007	690,588	52,143	64,518	16,675	415,925	1,209,321
2002	508,112	80,999	43,099	22,396	346,183	650,627
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1] ....farms, 2007	1,126	278	172	216	1,521	615
2002	1,563	354	248	154	1,062	400
acres treated, 2007	636,661	32,647	12,745	3,865	120,890	118,439
2002	818,911	45,735	11,133	2,004	86,216	107,195

See footnote(s) at end of table.

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Table 42. **Fertilizers and Chemicals Applied: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Commercial fertilizer, lime, and soil conditioners [1 2] ..... farms, 2007	17,267	51,995	10,218	28,916	824	1,482
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2007	3,593,572	11,615,587	7,088,355	15,463,589	259,118	51,029
2002	3,186,586	10,772,234	6,647,571	13,335,071	279,739	60,752
Cropland fertilized, except cropland pastured ..... farms, 2007	9,018	35,193	9,042	27,231	724	1,246
2002	9,317	42,172	10,061	29,995	754	1,200
acres treated, 2007	2,929,839	8,598,697	6,823,389	14,718,433	236,798	46,452
2002	2,630,833	7,665,904	6,463,919	12,847,411	258,157	55,538
Pastureland and rangeland fertilized ..... farms, 2007	10,575	29,627	2,088	5,281	164	400
2002	10,831	33,960	1,869	5,145	249	325
acres treated, 2007	663,733	3,016,890	264,966	745,156	22,320	4,577
2002	555,753	3,106,330	183,652	487,660	21,582	5,214
Manure [1] ..... farms, 2007	3,906	10,571	2,781	6,943	293	921
2002	2,953	11,476	3,123	8,703	334	955
acres treated, 2007	301,993	711,625	185,674	592,016	23,926	30,110
2002	201,513	650,193	220,702	614,740	34,514	36,826
Chemicals used to control- [1]						
Insects ..... farms, 2007	4,652	9,271	1,540	10,390	270	469
2002	4,389	9,503	1,383	13,276	277	410
acres treated, 2007	2,249,879	2,410,404	490,201	4,909,263	111,140	9,819
2002	1,897,524	1,723,042	445,226	4,108,341	111,182	8,301
Weeds, grass, or brush ..... farms, 2007	9,631	27,265	9,787	24,746	646	407
2002	8,952	26,014	9,166	25,223	609	433
acres treated, 2007	3,206,515	7,835,461	7,049,974	14,111,926	191,267	15,200
2002	2,798,802	6,442,157	5,780,062	11,351,476	166,320	17,911
Nematodes ..... farms, 2007	394	873	70	663	3	24
2002	414	711	133	884	11	69
acres treated, 2007	186,505	277,377	16,340	203,133	(D)	673
2002	255,983	154,950	15,858	215,190	10,681	869
Diseases in crops and orchards ..... farms, 2007	953	1,656	610	2,907	24	239
2002	785	1,028	521	615	36	243
acres treated, 2007	492,730	470,445	293,044	1,014,973	7,674	3,612
2002	290,956	71,721	248,554	101,408	14,083	4,042
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1] ..... farms, 2007	775	912	216	176	18	78
2002	1,814	694	251	261	17	60
acres treated, 2007	617,806	410,712	40,140	33,094	8,124	1,564
2002	1,170,098	291,349	64,684	55,176	2,445	1,061

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Commercial fertilizer, lime, and soil conditioners [1 2] ..... farms, 2007	5,265	5,290	15,055	29,003	15,393	39,330
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2007	342,149	811,504	2,161,648	3,897,736	18,419,224	8,144,573
2002	373,719	712,501	2,214,663	4,056,927	16,671,283	7,619,885
Cropland fertilized, except cropland pastured ..... farms, 2007	4,670	4,778	14,135	20,712	15,088	36,736
2002	4,512	3,978	15,159	26,809	15,445	40,427
acres treated, 2007	328,415	735,162	2,098,639	3,456,607	18,299,137	7,979,599
2002	357,700	664,096	2,132,029	3,616,451	16,601,444	7,430,881
Pastureland and rangeland fertilized ..... farms, 2007	892	785	2,223	13,421	696	6,451
2002	1,184	725	2,602	14,744	520	7,482
acres treated, 2007	13,734	76,342	63,009	441,129	120,087	164,974
2002	16,019	48,405	82,634	440,476	69,839	189,004
Manure [1] ..... farms, 2007	1,399	1,220	10,380	8,348	3,998	17,596
2002	1,717	1,583	12,921	9,106	4,662	21,471
acres treated, 2007	30,601	105,026	1,094,796	460,192	281,150	805,897
2002	42,626	121,175	1,196,388	465,132	268,782	845,582
Chemicals used to control- [1]						
Insects ..... farms, 2007	1,992	2,060	5,720	10,172	4,035	11,735
2002	1,961	2,202	5,539	13,981	3,670	11,530
acres treated, 2007	149,088	402,325	685,021	2,096,612	3,007,826	1,929,062
2002	127,982	285,680	579,898	2,336,809	1,601,682	1,121,876
Weeds, grass, or brush ..... farms, 2007	2,327	2,563	9,325	17,571	14,381	28,826
2002	2,414	2,109	9,911	20,422	13,871	31,767
acres treated, 2007	243,360	621,489	1,357,542	2,983,953	17,066,194	7,241,927
2002	263,337	384,455	1,233,452	3,193,582	14,112,382	6,678,161
Nematodes ..... farms, 2007	153	102	400	2,167	137	1,009
2002	168	92	503	3,735	108	633
acres treated, 2007	8,075	13,926	42,470	407,161	89,308	153,740
2002	12,767	13,033	49,162	516,565	53,245	72,532
Diseases in crops and orchards ..... farms, 2007	875	363	2,563	2,420	3,668	2,737
2002	931	426	2,634	3,723	1,681	2,401
acres treated, 2007	56,331	43,601	170,604	303,394	3,274,633	316,045
2002	58,916	26,884	154,506	364,392	1,208,071	91,796
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1] ..... farms, 2007	189	296	928	1,973	993	729
2002	191	223	860	2,690	628	947
acres treated, 2007	5,136	33,789	59,923	528,524	544,427	27,621
2002	8,177	31,724	58,140	737,735	284,337	39,835

See footnote(s) at end of table.

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Table 42. **Fertilizers and Chemicals Applied: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Commercial fertilizer, lime, and soil conditioners [1 2] ....farms, 2007	32,943	16,903	29,500	547	12,344
2002	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2007	8,437,103	2,701,415	2,689,081	13,482	1,547,684
2002	8,101,126	2,698,778	2,665,724	13,718	1,441,055
Cropland fertilized, except cropland pastured ....farms, 2007	20,040	12,707	27,198	497	7,975
2002	22,859	14,261	26,812	422	7,645
acres treated, 2007	5,777,772	2,419,221	2,547,105	12,623	1,251,314
2002	5,656,134	2,485,645	2,501,909	12,746	1,149,298
Pastureland and rangeland fertilized ....farms, 2007	18,479	5,944	7,338	85	6,287
2002	21,425	6,885	8,310	72	6,189
acres treated, 2007	2,659,331	282,194	141,976	859	296,370
2002	2,444,992	213,133	163,815	972	291,757
Manure [1] ....farms, 2007	3,797	4,531	20,449	193	3,088
2002	4,529	5,474	23,228	170	2,690
acres treated, 2007	357,293	172,658	1,230,558	2,934	254,269
2002	286,576	151,103	1,333,504	2,920	181,573
Chemicals used to control- [1]					
Insects ....farms, 2007	7,857	5,607	12,125	208	3,747
2002	7,290	6,004	11,882	203	3,582
acres treated, 2007	1,823,131	704,040	947,953	5,881	746,890
2002	1,225,276	585,754	791,004	6,246	613,177
Weeds, grass, or brush ....farms, 2007	25,246	13,386	20,940	198	6,618
2002	24,599	15,018	19,547	174	5,546
acres treated, 2007	5,947,938	2,222,673	1,965,712	7,121	1,087,492
2002	4,743,526	2,181,158	1,530,696	7,108	834,976
Nematodes ....farms, 2007	203	565	790	10	749
2002	183	762	907	13	929
acres treated, 2007	36,868	68,835	52,654	552	222,707
2002	17,885	71,185	55,013	601	177,530
Diseases in crops and orchards ....farms, 2007	1,183	3,648	3,470	87	789
2002	766	4,017	3,267	98	938
acres treated, 2007	267,894	463,280	116,591	2,736	175,644
2002	49,043	431,907	99,619	2,494	83,162
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1] ....farms, 2007	579	1,298	1,102	35	587
2002	374	1,213	1,073	28	586
acres treated, 2007	134,692	195,226	34,937	275	151,629
2002	72,721	99,297	37,076	206	168,692

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Commercial fertilizer, lime, and soil conditioners [1 2] ....farms, 2007	15,891	38,260	90,502	6,141	2,346
2002	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2007	11,629,410	4,221,902	19,305,532	629,728	228,040
2002	10,182,001	4,020,902	19,113,597	629,362	262,248
Cropland fertilized, except cropland pastured ....farms, 2007	15,185	23,721	54,161	5,142	2,135
2002	15,721	32,543	62,411	5,452	2,319
acres treated, 2007	11,190,577	3,011,244	14,337,221	521,843	214,009
2002	9,852,202	2,855,209	13,742,856	574,224	244,028
Pastureland and rangeland fertilized ....farms, 2007	2,780	24,076	48,595	1,846	518
2002	2,766	27,784	54,264	1,679	618
acres treated, 2007	438,833	1,210,658	4,968,311	107,885	14,031
2002	329,799	1,165,693	5,370,741	55,138	18,220
Manure [1] ....farms, 2007	5,959	6,971	9,715	2,765	1,941
2002	7,448	7,999	10,173	2,859	2,187
acres treated, 2007	539,372	184,901	885,395	124,051	216,025
2002	580,457	225,199	994,543	112,030	237,859
Chemicals used to control- [1]					
Insects ....farms, 2007	5,683	6,507	24,801	2,525	521
2002	4,128	9,093	27,709	2,641	562
acres treated, 2007	2,970,836	1,299,464	9,088,663	270,095	37,597
2002	1,255,724	1,032,685	7,230,112	264,684	25,951
Weeds, grass, or brush ....farms, 2007	15,563	18,289	59,964	4,469	871
2002	14,105	19,968	62,345	3,908	1,151
acres treated, 2007	11,638,706	2,396,492	14,866,848	441,491	86,442
2002	8,151,070	2,185,450	13,701,320	342,301	91,261
Nematodes ....farms, 2007	257	550	1,618	77	26
2002	1	760	1,668	61	31
acres treated, 2007	81,893	113,134	586,668	5,728	1,819
2002	(D)	91,759	530,679	3,956	2,108
Diseases in crops and orchards ....farms, 2007	1,603	1,664	3,561	308	219
2002	176	2,543	4,282	295	193
acres treated, 2007	789,228	378,723	850,576	8,858	4,096
2002	40,949	161,402	556,678	(D)	6,112
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1] ....farms, 2007	124	1,857	6,040	221	79
2002	9	2,907	4,587	138	43
acres treated, 2007	20,809	512,963	3,307,383	6,443	2,042
2002	(D)	542,879	1,881,805	2,886	1,031

See footnote(s) at end of table.

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Table 42. **Fertilizers and Chemicals Applied: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
Commercial fertilizer, lime, and soil conditioners [1 2]	farms, 2007	22,563	14,769	8,278	39,267	2,764
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
	acres treated, 2007	2,264,507	3,984,358	346,385	6,988,477	707,337
	2002	2,328,792	4,346,053	374,774	6,473,456	857,999
Cropland fertilized, except cropland pastured	farms, 2007	16,694	12,078	6,570	37,826	2,332
	2002	20,626	14,180	6,775	37,335	2,718
	acres treated, 2007	1,704,169	3,838,654	230,835	6,830,248	617,484
	2002	1,742,799	4,214,559	265,360	6,344,416	730,581
Pastureland and rangeland fertilized	farms, 2007	11,602	3,587	3,556	5,107	801
	2002	12,991	3,620	3,392	4,953	735
	acres treated, 2007	560,338	145,704	115,550	158,229	89,853
	2002	585,993	131,494	109,414	129,040	127,418
Manure [1]	farms, 2007	7,009	4,665	4,188	24,890	1,193
	2002	7,317	5,446	4,225	30,491	1,329
	acres treated, 2007	388,988	226,588	134,856	2,011,176	120,402
	2002	382,194	231,497	130,068	2,316,691	138,727
Chemicals used to control- [1]						
Insects	farms, 2007	4,711	6,456	975	13,445	762
	2002	6,133	8,017	989	12,338	593
	acres treated, 2007	748,282	1,286,462	37,030	2,125,800	298,331
	2002	701,322	1,076,928	37,398	1,582,101	110,388
Weeds, grass, or brush	farms, 2007	10,790	12,114	2,788	30,527	2,633
	2002	12,199	13,084	2,223	30,561	2,419
	acres treated, 2007	1,242,555	3,816,454	108,454	5,227,166	605,451
	2002	1,211,547	3,602,017	98,296	4,595,578	463,976
Nematodes	farms, 2007	632	655	56	1,027	46
	2002	1,288	874	69	1,291	81
	acres treated, 2007	101,115	142,248	(D)	128,798	9,794
	2002	129,411	155,841	3,264	152,241	9,003
Diseases in crops and orchards	farms, 2007	1,366	3,403	366	2,124	50
	2002	2,280	4,902	432	1,605	39
	acres treated, 2007	128,557	543,911	9,659	251,421	9,731
	2002	155,107	594,650	13,602	168,150	8,112
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate [1]	farms, 2007	730	2,489	157	640	37
	2002	866	3,163	149	910	80
	acres treated, 2007	79,628	252,324	4,715	67,308	3,594
	2002	93,380	269,037	5,099	84,117	5,465

[1] 2002 data are based on a sample of farms.
[2] 2002 farm count data are not comparable due to calculation change.

Table 43. **Organic Agriculture: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
LAND USED FOR ORGANIC PRODUCTION						
Total acres used for organic production (see text) ..... farms	20,437	63	35	129	83	3,515
acres	2,577,418	1,766	320	16,907	5,865	368,934
Acres from which organic crops were harvested ..... farms	16,778	40	30	79	48	3,072
acres	1,288,088	540	(D)	12,237	3,367	150,809
Acres of organic pastureland ..... farms	7,268	20	4	38	38	475
acres	975,380	1,113	(D)	3,570	2,147	192,334
Acres being converted to organic production ..... farms	11,901	129	18	73	110	1,399
acres	616,358	1,681	222	8,047	3,186	60,051
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales ..... farms	18,211	56	34	112	69	3,235
$1,000	1,709,111	632	687	48,363	2,334	656,821
By value of sales:						
$1 to $4,999 ..... farms	8,285	47	18	56	38	1,079
$1,000	12,665	59	28	77	69	1,898
$5,000 or more ..... farms	9,926	9	16	56	31	2,156
$1,000	1,696,446	573	660	48,286	2,265	654,923
Crops, including nursery and greenhouse ..... farms	14,968	36	30	75	43	3,017
$1,000	1,121,774	111	671	(D)	1,394	552,925
Livestock and poultry ..... farms	2,496	14	2	21	18	159
$1,000	109,943	513	(D)	(D)	140	35,915
Livestock and poultry products ..... farms	3,191	8	2	22	15	175
$1,000	477,394	7	(D)	(D)	800	67,982

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
LAND USED FOR ORGANIC PRODUCTION						
Total acres used for organic production (see text) ..... farms	425	186	14	280	157	594
acres	102,936	1,485	97	9,301	2,015	9,934
Acres from which organic crops were harvested ..... farms	307	163	12	208	116	518
acres	49,305	661	(D)	5,974	1,004	1,944
Acres of organic pastureland ..... farms	182	43	3	49	46	61
acres	41,553	(D)	(D)	731	718	7,236
Acres being converted to organic production ..... farms	227	61	14	215	146	212
acres	19,538	485	66	3,968	2,405	1,569
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales ..... farms	347	167	14	234	136	536
$1,000	50,590	6,351	(D)	17,145	2,042	8,451
By value of sales:						
$1 to $4,999 ..... farms	160	83	12	139	85	324
$1,000	234	134	10	163	110	476
$5,000 or more ..... farms	187	84	2	95	51	212
$1,000	50,356	6,218	(D)	16,981	1,932	7,975
Crops, including nursery and greenhouse ..... farms	266	157	12	204	116	514
$1,000	18,911	5,894	(D)	16,240	(D)	(D)
Livestock and poultry ..... farms	77	15	2	26	16	23
$1,000	(D)	397	(D)	670	351	(D)
Livestock and poultry products ..... farms	49	20	1	17	14	18
$1,000	(D)	61	(D)	235	(D)	(D)

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
LAND USED FOR ORGANIC PRODUCTION						
Total acres used for organic production (see text) ..... farms	299	280	287	566	161	193
acres	111,781	18,514	14,143	72,394	37,845	9,280
Acres from which organic crops were harvested ..... farms	246	244	232	522	119	150
acres	75,472	15,476	9,273	58,458	22,098	3,688
Acres of organic pastureland ..... farms	130	98	129	204	60	93
acres	29,356	2,139	4,245	10,495	8,761	4,635
Acres being converted to organic production ..... farms	167	198	206	290	129	229
acres	23,210	8,904	7,973	14,740	9,877	7,044
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales ..... farms	273	271	239	542	155	169
$1,000	48,102	8,332	8,687	33,736	7,496	2,360
By value of sales:						
$1 to $4,999 ..... farms	95	136	126	138	76	118
$1,000	144	167	173	284	109	107
$5,000 or more ..... farms	178	135	113	404	79	51
$1,000	47,958	8,165	8,513	33,452	7,387	2,253
Crops, including nursery and greenhouse ..... farms	225	234	177	467	111	131
$1,000	15,743	6,757	2,533	18,840	6,705	936
Livestock and poultry ..... farms	44	31	50	58	33	34
$1,000	(D)	349	726	3,301	658	815
Livestock and poultry products ..... farms	28	37	61	93	28	28
$1,000	(D)	1,226	5,428	11,596	133	609

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Table 43. **Organic Agriculture: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
LAND USED FOR ORGANIC PRODUCTION						
Total acres used for organic production (see text) ..... farms	43	582	161	319	632	718
acres	1,822	38,767	6,678	7,326	50,208	96,342
Acres from which organic crops were harvested ..... farms	28	478	134	270	539	609
acres	642	20,206	4,161	3,427	40,830	74,299
Acres of organic pastureland ..... farms	13	246	62	95	230	323
acres	680	6,467	1,637	1,989	4,709	15,146
Acres being converted to organic production ..... farms	88	168	107	116	477	342
acres	2,253	3,016	2,383	2,901	13,659	20,702
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales ..... farms	37	534	146	295	582	636
$1,000	(D)	23,315	5,402	17,515	31,921	39,976
By value of sales:						
$1 to $4,999 ..... farms	26	268	71	155	290	234
$1,000	(D)	414	95	285	415	390
$5,000 or more ..... farms	11	266	75	140	292	402
$1,000	(D)	22,901	5,307	17,230	31,505	39,586
Crops, including nursery and greenhouse ..... farms	24	433	124	264	476	494
$1,000	105	11,035	4,378	12,026	17,765	17,604
Livestock and poultry ..... farms	14	87	23	29	108	102
$1,000	61	973	117	(D)	3,611	2,921
Livestock and poultry products ..... farms	4	144	39	56	114	162
$1,000	(D)	11,307	907	(D)	10,544	19,451

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
LAND USED FOR ORGANIC PRODUCTION						
Total acres used for organic production (see text) ..... farms	83	273	229	190	41	173
acres	2,256	21,738	195,204	82,407	6,237	6,177
Acres from which organic crops were harvested ..... farms	36	188	188	163	26	146
acres	462	10,827	58,868	43,407	2,838	3,357
Acres of organic pastureland ..... farms	29	111	93	78	15	63
acres	1,386	8,550	75,807	28,510	2,694	1,420
Acres being converted to organic production ..... farms	97	278	106	149	25	60
acres	1,892	14,098	37,260	23,007	1,603	1,164
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales ..... farms	54	223	207	178	26	148
$1,000	539	3,821	8,776	18,583	(D)	16,283
By value of sales:						
$1 to $4,999 ..... farms	45	134	86	46	7	69
$1,000	(D)	174	145	97	9	96
$5,000 or more ..... farms	9	89	121	132	19	79
$1,000	(D)	3,647	8,631	18,487	(D)	16,187
Crops, including nursery and greenhouse ..... farms	31	168	176	151	21	133
$1,000	(D)	2,563	6,850	12,914	(D)	(D)
Livestock and poultry ..... farms	18	46	26	34	2	16
$1,000	30	494	847	5,449	(D)	(D)
Livestock and poultry products ..... farms	12	36	25	16	4	21
$1,000	(D)	764	1,078	220	(D)	(D)

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
LAND USED FOR ORGANIC PRODUCTION						
Total acres used for organic production (see text) ..... farms	211	321	1,137	418	129	687
acres	3,449	71,607	131,796	7,711	102,204	55,086
Acres from which organic crops were harvested ..... farms	173	265	1,018	310	113	579
acres	1,925	6,204	91,465	3,021	54,997	42,088
Acres of organic pastureland ..... farms	73	73	601	127	60	323
acres	1,009	59,538	29,233	3,377	39,647	9,437
Acres being converted to organic production ..... farms	102	133	562	376	51	426
acres	1,048	34,748	30,687	7,775	10,457	14,836
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales ..... farms	201	269	1,027	383	124	629
$1,000	4,250	11,262	54,164	7,295	8,736	25,676
By value of sales:						
$1 to $4,999 ..... farms	148	156	411	251	17	306
$1,000	211	275	597	350	34	482
$5,000 or more ..... farms	53	113	616	132	107	323
$1,000	4,038	10,987	53,567	6,945	8,702	25,194
Crops, including nursery and greenhouse ..... farms	170	241	761	304	106	486
$1,000	3,850	4,877	18,173	4,931	6,617	12,208
Livestock and poultry ..... farms	18	29	132	60	30	108
$1,000	190	(D)	2,043	733	1,761	1,449
Livestock and poultry products ..... farms	41	17	330	62	11	178
$1,000	210	(D)	33,948	1,632	358	12,019

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Table 43. **Organic Agriculture: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
LAND USED FOR ORGANIC PRODUCTION					
Total acres used for organic production (see text) ....farms	158	933	775	51	89
acres	22,888	92,405	45,181	216	993
Acres from which organic crops were harvested ....farms	87	729	591	43	50
acres	8,887	45,834	28,846	153	230
Acres of organic pastureland ....farms	83	334	388	3	21
acres	12,823	41,844	11,895	(D)	593
Acres being converted to organic production ....farms	217	470	500	17	90
acres	16,538	16,175	14,346	54	1,904
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES					
Total organic product sales ....farms	131	799	680	50	63
$1,000	3,543	88,379	58,293	1,159	(D)
By value of sales:					
$1 to $4,999 ....farms	85	436	284	23	55
$1,000	112	620	449	49	(D)
$5,000 or more ....farms	46	363	396	27	8
$1,000	3,431	87,760	57,844	1,110	(D)
Crops, including nursery and greenhouse ....farms	79	665	450	43	46
$1,000	936	41,991	29,782	765	158
Livestock and poultry ....farms	48	95	141	7	13
$1,000	648	3,089	7,502	(D)	(D)
Livestock and poultry products ....farms	24	109	208	1	7
$1,000	1,959	43,299	21,009	(D)	2

Item	South Dakota	Tennessee	Texas	Utah	Vermont
LAND USED FOR ORGANIC PRODUCTION					
Total acres used for organic production (see text) .... farms	107	159	660	154	619
acres	105,299	2,020	169,638	86,084	67,315
Acres from which organic crops were harvested .... farms	86	96	423	124	534
acres	33,221	747	37,621	45,564	39,032
Acres of organic pastureland .... farms	56	61	287	64	339
acres	61,170	953	79,971	21,620	21,230
Acres being converted to organic production .... farms	78	148	906	118	178
acres	8,310	1,509	63,932	12,394	7,665
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES					
Total organic product sales .... farms	97	137	523	135	554
$1,000	6,650	1,126	51,741	7,316	38,372
By value of sales:					
$1 to $4,999 .... farms	26	116	338	68	184
$1,000	54	187	447	108	309
$5,000 or more .... farms	71	21	185	67	370
$1,000	6,597	940	51,294	7,208	38,063
Crops, including nursery and greenhouse .... farms	77	92	383	105	398
$1,000	4,244	976	21,167	5,850	(D)
Livestock and poultry .... farms	26	39	100	27	78
$1,000	1,160	82	1,814	792	(D)
Livestock and poultry products .... farms	10	18	73	12	205
$1,000	1,246	68	28,760	674	24,355

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
LAND USED FOR ORGANIC PRODUCTION					
Total acres used for organic production (see text) .... farms	311	1,207	84	1,443	73
acres	13,502	64,830	2,158	147,120	87,237
Acres from which organic crops were harvested .... farms	240	1,007	60	1,282	57
acres	6,907	43,153	783	101,903	21,740
Acres of organic pastureland .... farms	123	356	41	793	31
acres	5,042	15,840	804	35,140	65,497
Acres being converted to organic production .... farms	241	514	132	759	47
acres	6,585	21,628	3,805	33,896	11,162
VALUE OF SALES OF ORGANICALLY PRODUCED COMMODITIES					
Total organic product sales .... farms	266	1,075	62	1,281	70
$1,000	14,615	159,772	260	80,630	5,293
By value of sales:					
$1 to $4,999 .... farms	165	494	48	488	25
$1,000	246	802	61	728	48
$5,000 or more .... farms	101	581	14	793	45
$1,000	14,369	158,970	199	79,902	5,245
Crops, including nursery and greenhouse .... farms	212	950	52	988	50
$1,000	3,486	137,436	222	16,658	(D)
Livestock and poultry .... farms	40	104	11	236	26
$1,000	241	2,611	35	3,866	1,931
Livestock and poultry products .... farms	51	145	6	431	3
$1,000	10,888	19,725	3	60,106	(D)

Table 44. **Selected Practices: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Received irrigation water from the U.S. Bureau of Reclamation (farms)	Generated energy or electricity on the farm (farms)	Used conservation methods (farms)	Practiced rotational or management intensive grazing (farms)	Grazed livestock on a per-head or AUM basis (farms)
UNITED STATES TOTAL					
United States	46,177	23,451	503,917	388,912	42,936
STATES					
Alabama	-	322	5,567	8,372	115
Alaska	-	35	131	95	6
Arizona	893	479	1,080	1,281	815
Arkansas	-	299	6,292	8,543	181
California	9,500	3,230	17,975	8,106	1,366
Colorado	4,003	969	7,043	8,511	3,234
Connecticut	-	55	829	774	6
Delaware	-	22	865	228	-
Florida	-	414	5,618	8,497	113
Georgia	-	360	8,179	8,357	-
Hawaii	-	804	1,265	838	44
Idaho	6,946	337	5,745	5,410	2,034
Illinois	-	393	32,338	7,165	393
Indiana	-	538	21,556	7,055	442
Iowa	-	539	41,350	10,267	732
Kansas	196	529	20,550	11,004	2,424
Kentucky	-	512	15,495	20,478	517
Louisiana	-	177	3,467	5,050	81
Maine	-	184	1,537	1,517	28
Maryland	-	131	5,211	2,749	38
Massachusetts	-	152	1,320	1,207	14
Michigan	-	417	15,220	7,151	149
Minnesota	-	514	22,944	8,855	775
Mississippi	-	243	4,606	5,632	-
Missouri	-	568	24,040	22,517	1,503
Montana	2,830	514	7,115	7,707	4,981
Nebraska	1,604	426	21,190	10,323	3,863
Nevada	510	102	481	551	446
New Hampshire	-	78	888	848	8
New Jersey	-	204	1,905	1,461	-
New Mexico	3,076	556	2,177	3,230	1,919
New York	-	454	7,806	7,076	206
North Carolina	-	467	12,540	9,576	-
North Dakota	109	197	9,393	5,221	1,303
Ohio	-	569	27,166	11,335	506
Oklahoma	91	822	9,642	16,727	1,091
Oregon	3,799	631	9,327	9,694	1,753
Pennsylvania	-	592	17,860	10,871	43
Rhode Island	-	21	207	167	-
South Carolina	-	179	4,305	4,412	49
South Dakota	364	208	10,816	7,473	2,734
Tennessee	-	452	12,472	16,694	172
Texas	1,187	2,300	22,765	50,225	2,545
Utah	3,439	299	2,436	3,413	1,891
Vermont	-	185	1,568	1,748	40
Virginia	-	392	10,883	11,618	323
Washington	5,639	499	8,917	8,582	840
West Virginia	-	163	2,625	5,455	316
Wisconsin	-	545	27,081	11,469	767
Wyoming	1,991	373	2,129	3,377	2,130

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Table 44. **Selected Practices: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Produced and sold value-added commodities (farms)	Marketed products through Community Supported Agriculture (CSA) (farms)	Raised or sold veal calves (farms)	Raised or sold hair sheep or wool-hair crosses (farms)	Had a barn built prior to 1960 (farms)
UNITED STATES TOTAL					
United States	78,418	12,549	17,840	14,398	664,264
STATES					
Alabama	1,637	260	447	183	10,574
Alaska	48	20	5	13	61
Arizona	326	63	52	73	920
Arkansas	1,558	187	413	163	10,704
California	2,733	953	301	770	14,472
Colorado	1,709	214	156	266	8,331
Connecticut	408	102	90	57	1,885
Delaware	67	19	9	4	570
Florida	1,257	193	407	211	4,597
Georgia	1,315	339	438	192	9,541
Hawaii	513	135	17	139	140
Idaho	1,335	136	66	182	6,085
Illinois	1,704	302	303	342	25,767
Indiana	1,645	273	433	337	22,439
Iowa	2,246	487	752	436	34,224
Kansas	1,683	173	276	231	21,046
Kentucky	3,368	544	1,241	502	35,224
Louisiana	890	111	443	115	5,138
Maine	724	159	59	121	2,552
Maryland	683	161	91	172	5,219
Massachusetts	613	221	61	104	2,565
Michigan	2,194	463	227	396	21,368
Minnesota	2,212	368	241	314	27,165
Mississippi	1,163	191	367	118	7,597
Missouri	3,505	450	1,249	692	36,007
Montana	1,224	148	-	163	8,274
Nebraska	1,303	161	129	191	17,592
Nevada	166	28	27	29	506
New Hampshire	403	87	33	63	1,521
New Jersey	565	81	25	173	3,019
New Mexico	865	139	229	193	3,372
New York	2,192	364	436	281	17,506
North Carolina	1,429	413	-	416	15,684
North Dakota	673	46	144	-	8,737
Ohio	2,899	424	451	479	33,762
Oklahoma	2,891	286	1,036	449	22,125
Oregon	2,807	311	148	570	11,444
Pennsylvania	2,766	379	876	627	29,321
Rhode Island	89	33	5	8	351
South Carolina	774	193	295	96	5,719
South Dakota	959	102	167	205	12,379
Tennessee	2,719	251	371	246	27,555
Texas	7,865	883	3,617	1,844	51,236
Utah	962	110	166	161	3,169
Vermont	635	164	83	96	2,727
Virginia	2,058	335	569	681	17,363
Washington	2,214	437	104	590	9,744
West Virginia	1,011	163	248	184	8,470
Wisconsin	2,821	437	437	408	35,386
Wyoming	592	50	100	112	3,111

Table 45. **Farms by North American Industry Classification System: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
Total farms	2,204,792	48,753	686	15,637	49,346	81,033
Oilseed and grain farming (1111)	338,237	954	9	77	4,546	2,063
Vegetable and melon farming (1112)	40,589	1,118	64	2,008	597	2,638
Fruit and tree nut farming (1113)	98,281	1,447	10	850	461	37,500
Greenhouse, nursery, and floriculture production (1114)	54,889	647	111	258	362	3,549
Other crop farming (1119)	519,893	12,191	209	1,209	9,865	5,527
Tobacco farming (11191)	9,626	-	-	-	-	-
Cotton farming (11192)	9,968	409	-	173	527	285
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	500,299	11,782	209	1,036	9,338	5,242
Beef cattle ranching and farming (112111)	656,475	20,314	41	4,901	22,854	11,153
Cattle feedlots (112112)	31,065	16	4	65	65	404
Dairy cattle and milk production (11212)	57,318	116	6	146	291	1,839
Hog and pig farming (1122)	30,546	287	14	86	396	425
Poultry and egg production (1123)	64,570	3,818	32	468	4,212	1,798
Sheep and goat farming (1124)	67,254	1,626	19	2,513	775	3,041
Animal aquaculture and other animal production (1125,1129)	245,675	6,219	167	3,056	4,922	11,096

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
Total farms	37,054	4,916	2,546	47,463	47,846	7,521
Oilseed and grain farming (1111)	3,394	37	701	217	1,749	12
Vegetable and melon farming (1112)	429	385	117	1,081	946	574
Fruit and tree nut farming (1113)	644	333	19	8,404	2,952	3,528
Greenhouse, nursery, and floriculture production (1114)	562	762	155	4,492	1,062	1,393
Other crop farming (1119)	11,399	1,305	237	4,430	12,452	346
Tobacco farming (11191)	-	70	-	14	96	-
Cotton farming (11192)	-	-	-	81	1,142	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	11,399	1,235	237	4,335	11,214	346
Beef cattle ranching and farming (112111)	9,598	490	155	16,819	15,796	860
Cattle feedlots (112112)	615	32	21	240	313	30
Dairy cattle and milk production (11212)	267	212	63	210	487	6
Hog and pig farming (1122)	453	69	13	594	384	116
Poultry and egg production (1123)	742	273	777	1,185	3,860	107
Sheep and goat farming (1124)	1,010	198	77	1,260	1,544	190
Animal aquaculture and other animal production (1125,1129)	7,941	820	211	8,531	6,301	359

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
Total farms	25,349	76,860	60,938	92,856	65,531	85,260
Oilseed and grain farming (1111)	2,186	39,081	25,150	42,687	21,890	4,592
Vegetable and melon farming (1112)	679	642	665	368	287	1,162
Fruit and tree nut farming (1113)	358	539	541	457	276	567
Greenhouse, nursery, and floriculture production (1114)	546	1,150	877	485	358	870
Other crop farming (1119)	7,854	18,658	11,889	21,894	17,011	28,053
Tobacco farming (11191)	-	5	153	-	-	5,034
Cotton farming (11192)	-	-	-	-	16	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	7,854	18,653	11,736	21,894	16,995	23,019
Beef cattle ranching and farming (112111)	7,712	7,296	8,676	10,673	18,708	33,966
Cattle feedlots (112112)	517	1,133	1,114	3,119	894	1,073
Dairy cattle and milk production (11212)	677	900	1,462	1,686	523	1,641
Hog and pig farming (1122)	250	1,259	1,959	4,970	618	354
Poultry and egg production (1123)	267	938	1,442	775	691	1,593
Sheep and goat farming (1124)	835	1,078	1,547	1,434	782	2,038
Animal aquaculture and other animal production (1125,1129)	3,468	4,186	5,616	4,308	3,493	9,351

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
Total farms	30,106	8,136	12,834	7,691	56,014	80,992
Oilseed and grain farming (1111)	2,579	34	2,049	22	12,300	26,654
Vegetable and melon farming (1112)	540	650	518	662	1,534	972
Fruit and tree nut farming (1113)	763	961	390	893	2,873	690
Greenhouse, nursery, and floriculture production (1114)	661	682	673	865	2,723	1,054
Other crop farming (1119)	7,149	2,598	3,094	1,570	17,157	24,375
Tobacco farming (11191)	-	-	39	46	-	-
Cotton farming (11192)	291	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	6,858	2,598	3,055	1,524	17,157	24,375
Beef cattle ranching and farming (112111)	11,775	765	1,582	751	5,253	9,921
Cattle feedlots (112112)	-	119	189	53	1,481	2,421
Dairy cattle and milk production (11212)	282	396	565	258	1,971	4,385
Hog and pig farming (1122)	232	97	109	82	1,017	2,462
Poultry and egg production (1123)	808	323	1,001	480	1,635	1,643
Sheep and goat farming (1124)	627	364	594	279	1,241	1,310
Animal aquaculture and other animal production (1125,1129)	4,690	1,147	2,070	1,776	6,829	5,105

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Table 45. **Farms by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
Total farms	41,959	107,825	29,524	47,712	3,131	4,166
Oilseed and grain farming (1111)	2,833	17,067	4,197	21,475	9	10
Vegetable and melon farming (1112)	949	649	170	188	31	251
Fruit and tree nut farming (1113)	828	559	344	214	38	277
Greenhouse, nursery, and floriculture production (1114)	861	747	344	356	41	408
Other crop farming (1119)	12,788	27,350	7,867	8,431	910	1,265
Tobacco farming (11191)	-	51	-	-	-	-
Cotton farming (11192)	528	283	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	12,260	27,016	7,867	8,431	910	1,265
Beef cattle ranching and farming (112111)	15,018	44,336	9,804	10,775	1,067	328
Cattle feedlots (112112)	-	1,300	244	1,534	20	3
Dairy cattle and milk production (11212)	187	1,705	138	267	35	194
Hog and pig farming (1122)	228	1,056	118	936	15	62
Poultry and egg production (1123)	2,449	2,245	398	489	64	247
Sheep and goat farming (1124)	704	1,595	606	558	184	257
Animal aquaculture and other animal production (1125,1129)	5,114	9,216	5,294	2,489	717	864

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
Total farms	10,327	20,930	36,352	52,913	31,970	75,861
Oilseed and grain farming (1111)	639	419	1,714	5,147	12,705	24,492
Vegetable and melon farming (1112)	953	1,190	1,876	2,470	140	1,525
Fruit and tree nut farming (1113)	706	2,060	2,339	1,370	46	1,147
Greenhouse, nursery, and floriculture production (1114)	2,123	179	2,193	2,942	72	2,115
Other crop farming (1119)	1,873	4,319	10,621	11,745	10,687	16,774
Tobacco farming (11191)	-	-	-	1,844	-	241
Cotton farming (11192)	-	61	-	457	-	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	1,873	4,258	10,621	9,444	10,687	16,533
Beef cattle ranching and farming (112111)	704	7,219	4,302	14,413	5,961	12,297
Cattle feedlots (112112)	75	102	501	3	252	1,890
Dairy cattle and milk production (11212)	123	196	5,237	381	212	2,955
Hog and pig farming (1122)	95	125	385	1,619	74	1,594
Poultry and egg production (1123)	405	396	1,005	4,096	130	1,650
Sheep and goat farming (1124)	669	1,634	1,068	2,437	276	2,227
Animal aquaculture and other animal production (1125,1129)	1,962	3,091	5,111	6,290	1,415	7,195

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
Total farms	86,565	38,553	63,163	1,219	25,867
Oilseed and grain farming (1111)	4,890	811	5,859	2	2,120
Vegetable and melon farming (1112)	533	794	1,881	141	1,056
Fruit and tree nut farming (1113)	1,328	3,766	2,147	92	855
Greenhouse, nursery, and floriculture production (1114)	431	3,662	3,027	252	846
Other crop farming (1119)	17,532	7,417	19,019	218	7,657
Tobacco farming (11191)	-	-	134	-	171
Cotton farming (11192)	167	-	-	-	124
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	17,365	7,417	18,885	218	7,362
Beef cattle ranching and farming (112111)	45,871	12,071	8,350	102	6,931
Cattle feedlots (112112)	956	778	1,611	8	168
Dairy cattle and milk production (11212)	721	432	7,434	34	102
Hog and pig farming (1122)	986	425	1,072	31	300
Poultry and egg production (1123)	2,358	891	2,691	49	1,226
Sheep and goat farming (1124)	2,446	2,103	2,010	53	859
Animal aquaculture and other animal production (1125,1129)	8,513	5,403	8,062	237	3,747

Item	South Dakota	Tennessee	Texas	Utah	Vermont
Total farms	31,169	79,280	247,437	16,700	6,984
Oilseed and grain farming (1111)	10,752	3,510	8,063	489	55
Vegetable and melon farming (1112)	74	801	1,672	300	252
Fruit and tree nut farming (1113)	65	467	5,508	544	352
Greenhouse, nursery, and floriculture production (1114)	123	1,431	2,298	244	492
Other crop farming (1119)	6,595	17,024	52,193	4,918	2,476
Tobacco farming (11191)	-	975	-	-	-
Cotton farming (11192)	-	420	4,928	-	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	6,595	15,629	47,265	4,918	2,476
Beef cattle ranching and farming (112111)	9,031	41,886	124,992	5,183	668
Cattle feedlots (112112)	794	37	2,229	415	61
Dairy cattle and milk production (11212)	348	893	1,027	335	1,141
Hog and pig farming (1122)	313	504	1,732	205	26
Poultry and egg production (1123)	274	1,694	5,829	359	235
Sheep and goat farming (1124)	706	2,023	13,272	895	371
Animal aquaculture and other animal production (1125,1129)	2,094	9,010	28,622	2,813	855

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Table 45. **Farms by North American Industry Classification System: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
Total farms	47,383	39,284	23,618	78,463	11,069
Oilseed and grain farming (1111)	1,761	2,256	175	13,508	296
Vegetable and melon farming (1112)	923	1,126	339	1,645	24
Fruit and tree nut farming (1113)	995	5,185	258	1,320	15
Greenhouse, nursery, and floriculture production (1114)	1,085	1,721	403	2,147	49
Other crop farming (1119)	10,326	8,107	6,449	22,081	2,779
Tobacco farming (11191)	637	-	44	72	-
Cotton farming (11192)	76	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193,11194,11199)	9,613	8,107	6,405	22,009	2,779
Beef cattle ranching and farming (112111)	20,923	8,200	10,481	11,593	3,910
Cattle feedlots (112112)	778	498	297	2,485	108
Dairy cattle and milk production (11212)	934	626	165	13,081	26
Hog and pig farming (1122)	375	567	335	989	133
Poultry and egg production (1123)	1,798	1,231	1,113	2,297	83
Sheep and goat farming (1124)	1,512	1,556	968	1,501	382
Animal aquaculture and other animal production (1125,1129)	5,973	8,211	2,635	5,816	3,264

Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002**

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
FARMS						
Land in farms ....farms, 2007	2,204,792	48,753	686	15,637	49,346	81,033
2002	2,128,982	45,126	609	7,294	47,483	79,631
acres, 2007	922,095,840	9,033,537	881,585	26,117,899	13,872,862	25,364,695
2002	938,279,056	8,904,387	900,715	26,586,577	14,502,793	27,589,027
Harvested cropland ....farms, 2007	1,328,004	23,336	424	4,993	29,050	53,000
2002	1,362,608	23,327	393	3,139	29,466	54,115
acres, 2007	309,607,601	1,994,743	30,772	832,406	7,367,068	7,633,173
2002	302,697,252	1,995,139	31,824	887,966	7,457,599	8,466,321
TENURE						
Full owners ....farms, 2007	1,522,033	35,069	492	13,989	34,736	63,777
2002	1,428,136	32,157	431	5,723	31,523	60,894
acres, 2007	343,952,327	5,053,998	195,755	23,861,031	5,161,325	10,082,984
2002	356,767,305	5,035,168	193,920	25,273,587	5,609,225	10,899,151
Harvested cropland ....farms, 2007	776,806	13,920	307	4,168	17,659	41,451
2002	794,090	14,003	286	2,245	17,051	41,163
acres, 2007	62,191,104	498,344	17,254	156,642	1,290,283	3,032,616
2002	73,054,950	600,845	16,538	273,788	1,617,898	3,522,071
Part owners ....farms, 2007	542,192	11,454	110	913	11,287	9,843
2002	551,004	10,906	92	904	12,291	10,636
acres, 2007	496,344,290	3,550,745	86,370	1,091,864	6,165,011	11,480,879
2002	495,012,197	3,457,064	153,649	850,797	6,493,882	12,244,863
Owned land in farms ....acres, 2007	227,351,160	1,640,411	21,995	387,881	2,338,109	4,312,543
2002	228,196,318	1,627,452	21,624	388,937	2,477,481	4,644,212
Rented land in farms ....acres, 2007	268,993,130	1,910,334	64,375	703,983	3,826,902	7,168,336
2002	266,815,879	1,829,612	132,025	461,860	4,016,401	7,600,651
Harvested cropland ....farms, 2007	453,901	8,323	89	402	8,901	6,676
2002	461,474	8,155	83	487	9,688	7,441
acres, 2007	210,295,715	1,307,441	12,061	255,660	3,801,887	3,216,666
2002	193,427,322	1,194,469	12,684	292,565	3,807,464	3,422,788
Tenants ....farms, 2007	140,567	2,230	84	735	3,323	7,413
2002	149,842	2,063	86	667	3,669	8,101
acres, 2007	81,799,223	428,794	599,460	1,165,004	2,546,526	3,800,832
2002	86,499,554	412,155	553,146	462,193	2,399,686	4,445,013
Harvested cropland ....farms, 2007	97,297	1,093	28	423	2,490	4,873
2002	107,044	1,169	24	407	2,727	5,511
acres, 2007	37,120,782	188,958	1,457	420,104	2,274,898	1,383,891
2002	36,214,980	199,825	2,602	321,613	2,032,237	1,521,462
2007 NUMBER OF ALL OPERATORS						
Total operators .... number	3,337,450	70,959	1,146	26,183	75,308	130,756
Farms by number of operators:						
1 operator	1,273,122	30,182	337	7,715	27,307	41,998
2 operators	786,598	15,790	286	6,076	19,197	31,976
3 operators	112,285	2,220	39	1,479	2,184	5,248
4 operators	22,529	395	15	185	449	1,137
5 or more operators	10,258	166	9	182	209	674
Total women operators .... number	1,008,943	20,692	444	11,553	24,065	43,239
Farms by number of women operators:						
1 operator	894,347	18,631	357	9,062	21,911	37,150
2 operators	45,408	838	32	925	857	2,357
3 operators	5,439	105	5	157	115	324
4 operators	1,017	15	2	19	12	36
5 or more operators	546	2	-	18	7	45
2002 NUMBER OF ALL OPERATORS						
Total operators .... number	3,115,172	62,572	912	12,259	69,504	125,095
Farms by number of operators:						
1 operator	1,325,855	30,485	373	3,580	28,926	44,967
2 operators	681,435	12,717	200	2,962	16,233	28,058
3 operators	84,917	1,390	21	501	1,651	4,385
4 operators	24,819	355	6	149	479	1,335
5 or more operators	11,956	179	9	102	194	886
Total women operators .... number	847,832	16,060	312	4,302	19,856	36,991
Farms by number of women operators:						
1 operator	745,369	14,411	249	3,475	17,860	31,404
2 operators	40,423	608	22	324	831	2,197
3 operators	5,125	108	5	47	79	289
4 operators	944	15	1	7	14	46
5 or more operators	393	6	-	2	6	26
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male ....farms, 2007	1,898,583	42,309	518	9,617	43,015	66,068
2002	1,891,163	40,305	492	5,774	42,644	67,016
acres, 2007	857,831,274	8,215,222	(D)	22,765,861	12,942,204	23,305,862
2002	878,895,499	8,157,718	882,488	20,883,136	13,655,850	25,555,557
Female ....farms, 2007	306,209	6,444	168	6,020	6,331	14,965
2002	237,819	4,821	117	1,520	4,839	12,615
acres, 2007	64,264,566	818,315	(D)	3,352,038	930,658	2,058,833
2002	59,383,557	746,669	18,227	5,703,441	846,943	2,033,470
Primary occupation:						
Farming 2007	993,881	19,416	365	9,553	21,960	40,910
2002	1,224,246	23,950	370	4,296	27,411	49,132
Other 2007	1,210,911	29,337	321	6,084	27,386	40,123
2002	904,736	21,176	239	2,998	20,072	30,499

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
FARMS						
Land in farms ..... farms, 2007	37,054	4,916	2,546	47,463	47,846	7,521
2002	31,369	4,191	2,391	44,081	49,311	5,398
acres, 2007	31,604,911	405,616	510,253	9,231,570	10,150,539	1,121,329
2002	31,093,336	357,154	540,080	10,414,877	10,744,239	1,300,499
Harvested cropland ..... farms, 2007	17,899	3,517	1,615	20,486	23,179	6,044
2002	14,655	3,000	1,548	20,495	24,424	4,522
acres, 2007	5,888,926	136,833	409,468	2,112,129	3,390,437	103,120
2002	4,346,955	131,248	433,105	2,313,537	3,245,784	109,461
TENURE						
Full owners ..... farms, 2007	26,486	3,490	1,661	39,746	36,526	5,061
2002	20,809	2,886	1,597	36,593	37,393	3,202
acres, 2007	12,681,773	182,185	(D)	5,534,084	5,676,052	300,237
2002	11,261,149	166,173	108,717	6,612,521	6,237,613	246,865
Harvested cropland ..... farms, 2007	10,975	2,338	801	16,683	14,714	4,185
2002	8,489	1,953	813	17,007	15,594	2,814
acres, 2007	1,807,121	38,281	48,025	1,052,536	913,274	49,630
2002	1,470,950	34,778	51,800	1,401,387	961,958	18,459
Part owners ..... farms, 2007	8,174	1,097	630	6,050	9,299	775
2002	8,131	955	618	5,510	9,589	589
acres, 2007	16,743,142	169,417	342,275	3,158,512	3,994,899	637,776
2002	17,636,916	163,086	365,802	3,181,840	4,020,298	(D)
Owned land in farms ..... acres, 2007	9,234,859	82,211	129,030	1,476,022	1,953,891	294,309
2002	9,094,645	88,155	149,426	1,377,204	1,995,132	426,293
Rented land in farms ..... acres, 2007	7,508,283	87,206	213,245	1,682,490	2,041,008	343,467
2002	8,542,271	74,931	216,376	1,804,636	2,025,166	(D)
Harvested cropland ..... farms, 2007	5,679	947	589	3,004	7,171	518
2002	4,906	814	583	2,602	7,450	414
acres, 2007	3,472,240	85,801	304,466	927,310	2,152,976	37,716
2002	2,429,064	83,943	318,070	784,559	1,970,019	36,053
Tenants ..... farms, 2007	2,394	329	255	1,667	2,021	1,685
2002	2,429	350	176	1,978	2,329	1,607
acres, 2007	2,179,996	54,014	(D)	538,974	479,588	183,316
2002	2,195,271	27,895	65,561	620,516	486,328	(D)
Harvested cropland ..... farms, 2007	1,245	232	225	799	1,294	1,341
2002	1,260	233	152	886	1,380	1,294
acres, 2007	609,565	12,751	56,977	132,283	324,187	15,774
2002	446,941	12,527	63,235	127,591	313,807	54,949
2007 NUMBER OF ALL OPERATORS						
Total operators ..... number	60,684	7,913	3,928	73,146	69,060	11,412
Farms by number of operators:						
1 operator	17,452	2,520	1,451	26,435	30,138	4,326
2 operators	16,779	1,982	877	17,804	15,030	2,721
3 operators	2,097	299	173	2,454	2,129	375
4 operators	511	72	29	536	402	58
5 or more operators	215	43	16	234	147	41
Total women operators ..... number	22,082	2,928	1,160	26,292	20,189	4,185
Farms by number of women operators:						
1 operator	18,993	2,366	1,020	22,942	18,053	3,607
2 operators	1,311	203	55	1,327	855	239
3 operators	106	35	4	158	107	15
4 operators	25	10	2	29	18	6
5 or more operators	6	2	2	13	5	5
2002 NUMBER OF ALL OPERATORS						
Total operators ..... number	50,187	6,626	3,685	64,363	67,229	8,009
Farms by number of operators:						
1 operator	16,055	2,278	1,351	27,649	34,598	3,306
2 operators	12,895	1,537	855	13,960	12,590	1,767
3 operators	1,668	274	139	1,683	1,523	237
4 operators	560	73	32	534	377	45
5 or more operators	191	29	14	255	223	43
Total women operators ..... number	17,382	2,255	1,080	20,537	17,067	2,652
Farms by number of women operators:						
1 operator	14,879	1,819	915	17,642	14,894	2,273
2 operators	986	177	78	1,157	812	148
3 operators	126	26	3	125	120	16
4 operators	26	1	-	27	35	2
5 or more operators	8	-	-	14	8	3
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male ..... farms, 2007	30,112	3,755	2,137	37,034	40,314	5,715
2002	26,152	3,323	2,062	35,965	42,856	4,338
acres, 2007	28,446,637	347,687	(D)	8,461,769	9,282,258	1,057,194
2002	28,620,194	316,978	516,292	9,598,440	9,855,722	1,189,541
Female ..... farms, 2007	6,942	1,161	409	10,429	7,532	1,806
2002	5,217	868	329	8,116	6,455	1,060
acres, 2007	3,158,274	57,929	(D)	769,801	868,281	64,135
2002	2,473,142	40,176	23,788	816,437	888,517	110,958
Primary occupation:						
Farming 2007	14,958	2,273	1,504	20,904	20,106	3,861
2002	18,331	2,077	1,659	22,998	25,076	3,125
Other 2007	22,096	2,643	1,042	26,559	27,740	3,660
2002	13,038	2,114	732	21,083	24,235	2,273

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
FARMS						
Land in farms ....farms, 2007	25,349	76,860	60,938	92,856	65,531	85,260
2002	25,017	73,027	60,296	90,655	64,414	86,541
acres, 2007	11,497,383	26,775,100	14,773,184	30,747,550	46,345,827	13,993,121
2002	11,767,294	27,310,833	15,058,670	31,729,490	47,227,944	13,843,706
Harvested cropland ....farms, 2007	13,975	54,185	41,743	63,672	43,553	57,528
2002	13,444	56,083	44,298	67,338	44,073	65,815
acres, 2007	4,225,786	22,611,443	12,108,940	23,799,380	19,886,655	5,057,883
2002	4,313,288	22,562,904	11,937,370	23,994,343	18,976,719	4,978,994
TENURE						
Full owners ....farms, 2007	18,324	45,136	40,550	53,492	38,452	65,445
2002	17,848	39,565	39,082	49,889	36,925	66,456
acres, 2007	5,274,991	4,733,190	3,123,539	7,619,098	10,867,445	7,689,488
2002	4,958,174	5,908,357	3,516,806	8,626,697	13,715,110	7,861,435
Harvested cropland ....farms, 2007	8,721	24,030	22,652	26,540	20,079	40,507
2002	8,016	23,781	24,244	28,352	20,110	47,877
acres, 2007	1,144,267	2,491,442	1,514,901	3,690,076	3,316,851	1,764,340
2002	1,096,645	3,531,440	1,742,786	4,664,209	4,752,174	1,869,012
Part owners ....farms, 2007	5,472	23,512	16,180	28,937	22,030	16,534
2002	5,557	25,334	17,580	30,265	22,300	15,937
acres, 2007	5,388,009	18,439,334	10,341,144	19,529,558	30,964,176	5,767,074
2002	5,880,398	17,942,767	10,270,502	19,260,548	29,308,334	5,375,117
Owned land in farms ....acres, 2007	2,762,545	5,534,667	3,619,954	6,957,334	12,200,036	2,606,703
2002	3,105,063	5,661,124	3,659,939	7,019,775	11,508,859	2,405,130
Rented land in farms ....acres, 2007	2,625,464	12,904,667	6,721,190	12,572,224	18,764,140	3,160,371
2002	2,775,335	12,281,643	6,610,563	12,240,773	17,799,475	2,969,987
Harvested cropland ....farms, 2007	4,241	22,715	15,418	27,908	19,789	14,628
2002	4,407	24,712	16,852	29,342	20,116	14,506
acres, 2007	2,560,724	16,736,100	9,367,908	16,850,476	14,338,885	3,029,828
2002	2,724,212	15,862,361	9,039,992	15,973,117	12,363,925	2,830,869
Tenants ....farms, 2007	1,553	8,212	4,208	10,427	5,049	3,281
2002	1,612	8,128	3,634	10,501	5,189	4,148
acres, 2007	834,383	3,602,576	1,308,501	3,598,894	4,514,206	536,559
2002	928,722	3,459,709	1,271,362	3,842,245	4,204,500	607,154
Harvested cropland ....farms, 2007	1,013	7,440	3,673	9,224	3,685	2,393
2002	1,021	7,590	3,202	9,644	3,847	3,432
acres, 2007	520,795	3,383,901	1,226,131	3,258,828	2,230,919	263,715
2002	492,431	3,169,103	1,154,592	3,357,017	1,860,620	279,113
2007 NUMBER OF ALL OPERATORS						
Total operators .... number	40,427	111,089	91,590	136,068	97,150	123,971
Farms by number of operators:						
1 operator	12,967	49,356	36,059	57,549	39,263	52,524
2 operators	10,583	22,595	20,708	29,474	22,249	28,085
3 operators	1,304	3,878	3,193	4,638	3,165	3,724
4 operators	316	668	699	820	610	681
5 or more operators	179	363	279	375	244	246
Total women operators .... number	13,020	25,593	24,443	33,763	27,416	33,292
Farms by number of women operators:						
1 operator	11,679	23,047	21,802	31,016	24,827	30,037
2 operators	516	956	1,015	1,054	977	1,333
3 operators	52	127	129	141	144	151
4 operators	21	21	18	34	38	28
5 or more operators	11	26	21	15	9	4
2002 NUMBER OF ALL OPERATORS						
Total operators .... number	38,862	101,574	86,493	127,166	90,392	123,214
Farms by number of operators:						
1 operator	13,843	50,203	38,367	60,439	43,156	56,203
2 operators	9,496	18,908	18,721	25,841	18,133	26,092
3 operators	1,141	2,816	2,404	3,175	2,184	3,035
4 operators	340	740	636	833	627	825
5 or more operators	197	360	168	367	314	386
Total women operators .... number	11,682	19,840	20,246	28,143	21,632	30,194
Farms by number of women operators:						
1 operator	10,487	17,641	18,590	25,714	19,322	27,029
2 operators	471	918	756	946	857	1,269
3 operators	63	75	38	133	130	161
4 operators	8	28	5	14	39	26
5 or more operators	5	4	2	15	10	7
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male ....farms, 2007	22,198	69,196	54,561	84,404	57,588	76,150
2002	22,174	67,774	55,776	84,451	58,754	78,267
acres, 2007	10,831,026	25,951,006	14,252,747	29,656,571	43,947,714	13,038,633
2002	11,181,730	26,584,534	14,656,587	30,747,237	45,499,446	12,939,516
Female ....farms, 2007	3,151	7,664	6,377	8,452	7,943	9,110
2002	2,843	5,253	4,520	6,204	5,660	8,274
acres, 2007	666,357	824,094	520,437	1,090,979	2,398,113	954,488
2002	585,564	726,299	402,083	982,253	1,728,498	904,190
Primary occupation:						
Farming 2007	11,579	37,223	25,510	48,637	30,873	33,935
2002	13,857	46,822	33,612	61,935	40,645	46,939
Other 2007	13,770	39,637	35,428	44,219	34,658	51,325
2002	11,160	26,205	26,684	28,720	23,769	39,602

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
FARMS						
Land in farms ..... farms, 2007	30,106	8,136	12,834	7,691	56,014	80,992
2002	27,413	7,196	12,198	6,075	53,315	80,839
acres, 2007	8,109,975	1,347,566	2,051,756	517,879	10,031,807	26,917,962
2002	7,830,664	1,369,768	2,077,630	518,570	10,142,958	27,512,270
Harvested cropland ..... farms, 2007	13,783	5,189	8,278	4,792	37,868	53,943
2002	14,017	4,869	8,335	4,210	38,244	57,323
acres, 2007	3,342,048	393,738	1,246,603	153,993	6,859,081	19,267,018
2002	3,332,146	394,121	1,282,004	159,253	6,827,903	19,398,309
TENURE						
Full owners ..... farms, 2007	20,472	6,074	9,035	5,647	39,311	51,425
2002	17,184	5,242	8,479	4,355	37,089	51,312
acres, 2007	2,903,412	737,642	760,358	298,591	3,067,814	8,484,843
2002	2,431,580	715,764	758,901	283,922	3,325,819	9,926,985
Harvested cropland ..... farms, 2007	7,378	3,497	4,917	3,293	22,440	25,940
2002	6,948	3,239	5,035	2,900	23,050	29,436
acres, 2007	565,186	105,159	231,546	54,765	1,088,425	3,556,088
2002	535,372	100,051	271,769	52,934	1,270,011	4,967,619
Part owners ..... farms, 2007	7,024	1,681	2,763	1,373	14,703	24,394
2002	7,358	1,604	2,704	1,221	14,199	24,073
acres, 2007	3,581,719	569,648	1,053,640	193,496	6,443,769	16,421,535
2002	3,799,254	596,358	1,067,489	210,371	6,317,989	15,479,719
Owned land in farms ..... acres, 2007	1,130,211	373,539	425,706	115,070	2,988,256	7,028,913
2002	1,135,867	413,610	449,016	127,708	2,946,525	6,682,274
Rented land in farms ..... acres, 2007	2,451,508	196,109	627,934	78,426	3,455,513	9,392,622
2002	2,663,387	182,748	618,473	82,663	3,371,464	8,797,445
Harvested cropland ..... farms, 2007	4,893	1,492	2,505	1,146	13,811	23,349
2002	5,182	1,424	2,462	1,019	13,479	22,978
acres, 2007	1,737,644	274,473	815,461	88,146	5,313,290	13,883,848
2002	1,781,224	262,766	804,855	95,023	5,114,775	12,549,071
Tenants ..... farms, 2007	2,610	381	1,036	671	2,000	5,173
2002	2,871	350	1,015	499	2,027	5,454
acres, 2007	1,624,844	40,276	237,758	25,792	520,224	2,011,584
2002	1,599,830	57,646	251,240	24,277	499,150	2,105,566
Harvested cropland ..... farms, 2007	1,512	200	856	353	1,617	4,654
2002	1,887	206	838	291	1,715	4,909
acres, 2007	1,039,218	14,106	199,596	11,082	457,366	1,827,082
2002	1,015,550	31,304	205,380	11,296	443,117	1,881,619
2007 NUMBER OF ALL OPERATORS						
Total operators ..... number	43,774	13,063	20,241	12,265	85,339	119,650
Farms by number of operators:						
1 operator	18,946	3,995	7,010	4,075	31,730	49,377
2 operators	9,299	3,575	4,709	2,940	20,644	26,670
3 operators	1,467	431	843	480	2,799	3,765
4 operators	278	88	185	158	576	788
5 or more operators	116	47	87	38	265	392
Total women operators ..... number	12,414	5,153	6,471	4,834	26,539	31,033
Farms by number of women operators:						
1 operator	10,913	4,398	5,387	3,888	23,374	28,080
2 operators	536	303	401	378	1,291	1,143
3 operators	94	40	66	41	135	143
4 operators	25	3	12	13	23	39
5 or more operators	7	3	6	2	14	14
2002 NUMBER OF ALL OPERATORS						
Total operators ..... number	38,507	11,346	18,596	9,768	79,883	114,218
Farms by number of operators:						
1 operator	18,438	3,726	7,115	3,199	31,833	53,372
2 operators	7,545	2,993	4,145	2,298	18,086	23,568
3 operators	1,016	335	679	407	2,376	2,666
4 operators	281	106	186	121	693	804
5 or more operators	133	36	73	50	327	429
Total women operators ..... number	9,465	4,233	5,530	3,469	22,560	26,526
Farms by number of women operators:						
1 operator	8,323	3,616	4,616	2,742	19,397	23,917
2 operators	425	240	353	307	1,238	1,017
3 operators	53	39	47	31	152	141
4 operators	13	5	11	5	28	21
5 or more operators	10	-	3	-	16	12
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male ..... farms, 2007	26,248	6,093	10,618	5,465	47,739	73,631
2002	24,866	5,637	10,281	4,770	47,411	74,469
acres, 2007	7,649,475	1,195,735	1,916,758	432,956	9,479,732	25,842,724
2002	7,462,912	1,243,921	1,944,528	447,510	9,704,219	26,555,759
Female ..... farms, 2007	3,858	2,043	2,216	2,226	8,275	7,361
2002	2,547	1,559	1,917	1,305	5,904	6,370
acres, 2007	460,500	151,831	134,998	84,923	552,075	1,075,238
2002	367,752	125,847	133,102	71,060	438,739	956,511
Primary occupation:						
Farming 2007	12,591	3,540	6,269	3,688	24,795	39,628
2002	14,805	3,409	6,977	3,283	29,071	50,808
Other 2007	17,515	4,596	6,565	4,003	31,219	41,364
2002	12,608	3,787	5,221	2,792	24,244	30,031

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
FARMS						
Land in farms ....farms, 2007	41,959	107,825	29,524	47,712	3,131	4,166
2002	42,186	106,797	27,870	49,355	2,989	3,363
acres, 2007	11,456,241	29,026,573	61,388,462	45,480,358	5,865,392	471,911
2002	11,097,543	29,946,035	59,612,403	45,903,116	6,330,622	444,879
Harvested cropland ....farms, 2007	18,773	69,585	16,441	34,715	1,572	2,494
2002	19,405	71,698	16,543	37,143	1,521	2,043
acres, 2007	4,223,708	12,980,113	9,163,867	18,169,876	504,311	99,520
2002	4,139,341	13,137,184	8,742,111	17,336,624	549,076	95,983
TENURE						
Full owners ....farms, 2007	30,932	77,385	18,812	23,989	2,490	3,164
2002	31,248	75,511	17,013	24,191	2,354	2,474
acres, 2007	5,777,656	12,618,001	19,813,476	11,495,017	3,803,488	285,030
2002	6,082,694	14,073,372	18,003,093	13,765,932	4,280,416	256,630
Harvested cropland ....farms, 2007	10,924	44,244	8,387	13,383	1,163	1,723
2002	11,783	45,745	8,127	14,539	1,124	1,356
acres, 2007	703,486	3,486,270	2,138,357	2,994,391	286,280	28,963
2002	1,231,785	4,420,043	1,830,747	4,138,475	370,739	27,222
Part owners ....farms, 2007	8,572	25,147	8,480	17,958	465	804
2002	8,474	25,795	8,674	18,646	458	767
acres, 2007	3,973,310	14,705,982	36,633,471	29,625,265	1,968,715	160,767
2002	3,498,701	14,058,625	37,157,914	27,308,269	(D)	(D)
Owned land in farms ....acres, 2007	1,854,805	6,560,713	21,557,255	14,095,143	1,093,122	107,234
2002	1,575,373	6,335,568	22,957,136	13,037,817	478,389	119,579
Rented land in farms ....acres, 2007	2,118,505	8,145,269	15,076,216	15,530,122	875,593	53,533
2002	1,923,328	7,723,057	14,200,778	14,270,452	(D)	(D)
Harvested cropland ....farms, 2007	6,313	21,700	6,825	16,893	335	662
2002	6,079	21,939	7,065	17,458	320	609
acres, 2007	2,089,596	8,343,291	6,118,248	12,969,384	199,137	64,824
2002	1,723,126	7,511,358	6,046,127	11,010,265	143,102	64,745
Tenants ....farms, 2007	2,455	5,293	2,232	5,765	176	198
2002	2,464	5,491	2,183	6,518	177	122
acres, 2007	1,705,275	1,702,590	4,941,515	4,360,076	93,189	26,114
2002	1,516,148	1,814,038	4,451,396	4,828,915	(D)	(D)
Harvested cropland ....farms, 2007	1,536	3,641	1,229	4,439	74	109
2002	1,543	4,014	1,351	5,146	77	78
acres, 2007	1,430,626	1,150,552	907,262	2,206,101	18,894	5,733
2002	1,184,430	1,205,783	865,237	2,187,884	35,235	4,016
2007 NUMBER OF ALL OPERATORS						
Total operators .... number	60,669	163,553	46,903	71,924	5,117	7,022
Farms by number of operators:						
1 operator	26,787	61,062	15,521	28,004	1,543	1,837
2 operators	12,571	40,191	11,605	16,438	1,338	1,985
3 operators	2,082	5,134	1,805	2,511	181	234
4 operators	344	1,006	399	528	42	66
5 or more operators	175	432	194	231	27	44
Total women operators .... number	17,547	49,611	15,795	18,720	1,781	2,966
Farms by number of women operators:						
1 operator	15,555	45,035	13,817	17,025	1,562	2,450
2 operators	729	1,857	765	682	95	201
3 operators	130	202	104	73	4	24
4 operators	22	35	22	8	3	3
5 or more operators	9	20	8	6	1	6
2002 NUMBER OF ALL OPERATORS						
Total operators .... number	57,778	157,863	43,342	70,668	5,005	5,540
Farms by number of operators:						
1 operator	29,578	64,172	15,690	31,951	1,438	1,571
2 operators	10,843	37,102	10,106	14,589	1,266	1,533
3 operators	1,217	3,894	1,391	2,047	191	176
4 operators	350	1,067	461	568	61	55
5 or more operators	198	562	222	200	33	28
Total women operators .... number	14,840	44,730	13,361	15,877	1,735	2,171
Farms by number of women operators:						
1 operator	13,078	40,407	11,518	14,400	1,507	1,831
2 operators	655	1,724	712	623	97	142
3 operators	76	209	90	66	8	13
4 operators	39	34	20	7	-	3
5 or more operators	12	19	8	1	2	1
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male ....farms, 2007	35,829	95,071	24,938	43,687	2,530	2,929
2002	36,945	95,979	24,203	46,350	2,472	2,525
acres, 2007	10,363,301	27,072,936	57,521,013	43,248,525	5,700,187	401,302
2002	10,263,424	28,144,343	55,807,532	43,952,598	6,094,426	384,047
Female ....farms, 2007	6,130	12,754	4,586	4,025	601	1,237
2002	5,241	10,818	3,667	3,005	517	838
acres, 2007	1,092,940	1,953,637	3,867,449	2,231,833	165,205	70,609
2002	834,119	1,801,692	3,804,871	1,950,518	236,196	60,832
Primary occupation:						
Farming 2007	15,935	45,031	14,957	28,854	1,650	1,930
2002	20,582	61,035	17,710	36,031	1,754	1,636
Other 2007	26,024	62,794	14,567	18,858	1,481	2,236
2002	21,604	45,762	10,160	13,324	1,235	1,727

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
FARMS						
Land in farms ..... farms, 2007	10,327	20,930	36,352	52,913	31,970	75,861
2002	9,924	15,170	37,255	53,930	30,619	77,797
acres, 2007	733,450	43,238,049	7,174,743	8,474,671	39,674,586	13,956,563
2002	805,682	44,810,083	7,660,969	9,079,001	39,294,879	14,583,435
Harvested cropland ..... farms, 2007	7,180	9,311	26,814	32,803	20,408	54,790
2002	7,230	7,204	29,162	36,622	20,789	58,577
acres, 2007	415,542	1,009,683	3,651,278	4,188,658	22,035,717	9,991,007
2002	444,670	856,166	3,846,368	4,308,209	19,908,697	10,041,416
TENURE						
Full owners ..... farms, 2007	8,351	15,850	24,565	34,526	16,303	51,174
2002	7,990	10,666	24,722	34,489	14,499	52,168
acres, 2007	310,100	17,016,596	2,861,014	3,038,234	7,702,479	4,206,870
2002	372,321	16,098,011	3,164,333	3,132,551	8,058,659	4,763,213
Harvested cropland ..... farms, 2007	5,560	7,033	16,195	17,723	5,951	31,797
2002	5,526	5,317	17,680	19,767	5,943	34,696
acres, 2007	109,758	446,270	891,785	701,397	2,145,721	1,768,965
2002	127,422	349,695	1,084,270	703,538	2,499,532	2,022,154
Part owners ..... farms, 2007	1,366	4,007	10,424	15,181	12,796	20,629
2002	1,345	3,612	11,040	16,030	13,070	20,863
acres, 2007	350,079	23,307,711	4,117,747	4,867,388	28,623,222	8,826,308
2002	350,350	25,824,417	4,239,548	5,287,508	27,582,773	8,742,151
Owned land in farms ..... acres, 2007	138,501	12,179,404	2,467,708	1,878,712	12,275,126	3,423,881
2002	143,429	13,671,703	2,586,934	1,979,225	11,803,679	3,354,793
Rented land in farms ..... acres, 2007	211,578	11,128,307	1,650,039	2,988,676	16,348,096	5,402,427
2002	206,921	12,152,714	1,652,614	3,308,283	15,779,094	5,387,358
Harvested cropland ..... farms, 2007	1,214	1,920	9,662	12,860	12,117	19,539
2002	1,231	1,593	10,349	14,153	12,290	19,751
acres, 2007	256,995	473,553	2,641,935	3,056,344	17,810,862	7,413,492
2002	253,171	437,315	2,607,378	3,121,377	15,458,616	7,135,988
Tenants ..... farms, 2007	610	1,073	1,363	3,206	2,871	4,058
2002	589	892	1,493	3,411	3,050	4,766
acres, 2007	73,271	2,913,742	195,982	569,049	3,348,885	923,385
2002	83,011	2,887,655	257,088	658,942	3,653,447	1,078,071
Harvested cropland ..... farms, 2007	406	358	957	2,220	2,340	3,454
2002	473	294	1,133	2,702	2,556	4,130
acres, 2007	48,789	89,860	117,558	430,917	2,079,134	808,550
2002	64,077	69,156	154,720	483,294	1,950,549	883,274
2007 NUMBER OF ALL OPERATORS						
Total operators ..... number	16,182	32,109	57,984	76,832	45,114	114,172
Farms by number of operators:						
1 operator	5,509	12,263	18,840	33,351	21,082	45,153
2 operators	4,027	7,063	14,511	16,372	9,124	25,360
3 operators	653	1,214	2,284	2,523	1,420	4,166
4 operators	91	251	485	491	245	749
5 or more operators	47	139	232	176	99	433
Total women operators ..... number	5,713	11,032	19,333	20,609	11,281	31,277
Farms by number of women operators:						
1 operator	4,877	9,266	16,663	18,094	10,414	27,519
2 operators	355	706	1,078	1,071	302	1,440
3 operators	22	77	125	83	60	184
4 operators	8	18	31	18	11	41
5 or more operators	5	8	3	10	7	23
2002 NUMBER OF ALL OPERATORS						
Total operators ..... number	15,339	22,786	57,980	75,684	41,629	113,698
Farms by number of operators:						
1 operator	5,583	9,219	21,006	36,503	21,475	49,102
2 operators	3,594	4,973	13,337	14,555	7,817	23,770
3 operators	543	636	1,999	2,039	978	3,471
4 operators	136	193	594	540	236	993
5 or more operators	68	149	319	293	113	461
Total women operators ..... number	5,138	6,946	17,796	17,498	8,725	28,890
Farms by number of women operators:						
1 operator	4,352	5,825	15,197	15,273	8,069	24,863
2 operators	314	413	987	884	237	1,551
3 operators	40	71	135	114	47	228
4 operators	4	7	31	18	9	41
5 or more operators	3	9	15	8	1	14
PRINCIPAL OPERATOR CHARACTERISTICS						
Sex of operator:						
Male ..... farms, 2007	8,066	16,284	29,664	45,897	28,314	66,734
2002	8,002	13,002	31,583	48,574	28,125	70,137
acres, 2007	666,864	39,139,878	6,581,956	7,960,548	37,880,004	13,234,712
2002	739,430	41,315,201	7,130,044	8,623,491	38,077,761	13,962,956
Female ..... farms, 2007	2,261	4,646	6,688	7,016	3,656	9,127
2002	1,922	2,168	5,672	5,356	2,494	7,660
acres, 2007	66,586	4,098,171	592,787	514,123	1,794,582	721,851
2002	66,252	3,494,882	530,925	455,510	1,217,118	620,479
Primary occupation:						
Farming 2007	4,626	10,040	19,624	24,244	18,525	32,676
2002	5,193	8,482	22,664	31,669	21,644	43,488
Other 2007	5,701	10,890	16,728	28,669	13,445	43,185
2002	4,731	6,688	14,591	22,261	8,975	34,309

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
FARMS					
Land in farms ....farms, 2007	86,565	38,553	63,163	1,219	25,867
2002	83,300	40,033	58,105	858	24,541
acres, 2007	35,087,269	16,399,647	7,809,244	67,819	4,889,339
2002	33,661,826	17,080,422	7,745,336	61,223	4,845,923
Harvested cropland ....farms, 2007	46,224	22,131	44,269	823	12,962
2002	43,930	23,013	45,374	628	13,321
acres, 2007	7,650,080	3,037,261	3,942,079	19,325	1,551,670
2002	7,705,860	3,119,384	4,079,276	17,820	1,374,617
TENURE					
Full owners ....farms, 2007	56,948	30,160	44,616	897	19,440
2002	52,817	31,277	39,742	610	18,476
acres, 2007	12,637,776	7,449,003	3,570,352	43,062	2,672,689
2002	11,377,696	7,833,522	3,642,502	38,991	2,803,484
Harvested cropland ....farms, 2007	26,711	16,153	27,309	568	8,066
2002	24,449	16,762	28,427	422	8,646
acres, 2007	2,276,184	862,003	993,603	7,103	350,709
2002	2,143,075	890,195	1,315,367	5,481	452,414
Part owners ....farms, 2007	24,270	6,168	14,333	198	5,384
2002	24,497	6,494	13,976	170	5,059
acres, 2007	20,166,877	7,445,870	3,764,432	19,253	1,999,087
2002	19,835,231	7,702,880	3,600,669	(D)	1,826,379
Owned land in farms ....acres, 2007	9,060,328	3,853,658	1,901,252	10,554	921,991
2002	8,689,233	3,810,710	1,882,962	9,609	846,043
Rented land in farms ....acres, 2007	11,106,549	3,592,212	1,863,180	8,699	1,077,096
2002	11,145,998	3,892,170	1,717,707	(D)	980,336
Harvested cropland ....farms, 2007	17,092	4,626	13,524	173	4,244
2002	16,762	4,765	13,250	151	4,022
acres, 2007	4,846,417	1,720,872	2,601,170	10,132	1,055,190
2002	4,938,742	1,775,191	2,409,116	10,051	796,662
Tenants ....farms, 2007	5,347	2,225	4,214	124	1,043
2002	5,986	2,262	4,387	78	1,006
acres, 2007	2,282,616	1,504,774	474,460	5,504	217,563
2002	2,448,899	1,544,020	502,165	(D)	216,060
Harvested cropland ....farms, 2007	2,421	1,352	3,436	82	652
2002	2,719	1,486	3,697	55	653
acres, 2007	527,479	454,386	347,306	2,090	145,771
2002	624,043	453,998	354,793	2,288	125,541
2007 NUMBER OF ALL OPERATORS					
Total operators .... number	131,232	64,503	94,500	1,912	37,082
Farms by number of operators:					
1 operator	48,253	16,870	37,997	670	16,701
2 operators	33,587	18,809	20,705	445	7,636
3 operators	3,700	2,090	3,418	84	1,251
4 operators	724	541	727	12	186
5 or more operators	301	243	316	8	93
Total women operators .... number	42,820	25,577	27,139	683	10,626
Farms by number of women operators:					
1 operator	38,848	22,210	23,648	562	9,231
2 operators	1,615	1,386	1,422	52	547
3 operators	175	138	161	1	73
4 operators	23	26	26	2	8
5 or more operators	24	14	10	1	8
2002 NUMBER OF ALL OPERATORS					
Total operators .... number	121,266	65,555	87,351	1,296	33,610
Farms by number of operators:					
1 operator	51,025	18,667	35,431	505	17,429
2 operators	28,341	18,596	18,396	294	5,937
3 operators	2,723	1,921	2,917	37	789
4 operators	879	584	905	18	241
5 or more operators	332	265	456	4	145
Total women operators .... number	35,704	24,604	23,639	402	8,693
Farms by number of women operators:					
1 operator	32,074	21,415	20,121	354	7,485
2 operators	1,436	1,290	1,344	24	474
3 operators	193	153	180	-	63
4 operators	31	21	44	-	11
5 or more operators	10	10	16	-	5
PRINCIPAL OPERATOR CHARACTERISTICS					
Sex of operator:					
Male ....farms, 2007	75,716	30,298	54,613	922	21,782
2002	74,580	32,941	52,026	716	21,030
acres, 2007	32,477,705	14,971,894	7,224,026	57,574	4,425,718
2002	31,411,761	16,065,769	7,308,572	53,764	4,425,430
Female ....farms, 2007	10,849	8,255	8,550	297	4,085
2002	8,720	7,092	6,079	142	3,511
acres, 2007	2,609,564	1,427,753	585,218	10,245	463,621
2002	2,250,065	1,014,653	436,764	7,459	420,493
Primary occupation:					
Farming 2007	36,052	17,825	28,751	621	9,739
2002	46,053	21,580	32,939	442	11,377
Other 2007	50,513	20,728	34,412	598	16,128
2002	37,247	18,453	25,166	416	13,164

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
FARMS					
Land in farms ..... farms, 2007	31,169	79,280	247,437	16,700	6,984
2002	31,736	87,595	228,926	15,282	6,571
acres, 2007	43,666,403	10,969,798	130,398,753	11,094,700	1,233,313
2002	43,785,079	11,681,533	129,877,666	11,731,228	1,244,909
Harvested cropland ..... farms, 2007	21,902	48,292	111,671	10,259	4,707
2002	22,931	56,316	106,827	9,661	4,373
acres, 2007	15,278,709	4,226,440	19,174,301	964,702	433,074
2002	13,492,286	4,365,360	17,750,938	961,037	454,699
TENURE					
Full owners ..... farms, 2007	15,626	57,951	177,147	11,797	4,502
2002	15,886	64,279	155,053	10,504	4,011
acres, 2007	11,646,998	(D)	53,364,871	7,221,482	548,954
2002	14,101,000	5,628,032	50,500,966	7,259,134	538,160
Harvested cropland ..... farms, 2007	8,169	30,968	70,071	6,589	2,764
2002	9,110	37,390	64,211	6,131	2,408
acres, 2007	2,576,102	1,149,797	5,047,316	366,318	106,116
2002	3,397,516	1,223,022	4,737,968	382,774	104,930
Part owners ..... farms, 2007	12,754	18,733	54,773	3,971	2,116
2002	12,781	19,844	55,703	3,930	2,162
acres, 2007	28,889,546	5,439,691	60,245,492	3,587,185	642,296
2002	26,266,242	5,520,428	61,246,178	4,161,976	645,263
Owned land in farms ..... acres, 2007	14,871,080	2,199,749	24,334,883	1,895,572	406,686
2002	13,388,690	2,369,072	25,077,274	2,378,361	411,667
Rented land in farms ..... acres, 2007	14,018,466	3,239,942	35,910,609	1,691,613	235,610
2002	12,877,552	3,151,356	36,168,904	1,783,615	233,596
Harvested cropland ..... farms, 2007	11,797	15,611	34,653	3,097	1,712
2002	11,557	16,524	34,159	3,056	1,713
acres, 2007	11,492,480	2,805,539	11,002,276	533,113	308,642
2002	9,014,428	2,841,173	9,811,607	517,176	321,353
Tenants ..... farms, 2007	2,789	2,596	15,517	932	366
2002	3,069	3,472	18,170	848	398
acres, 2007	3,129,859	(D)	16,788,390	286,033	42,063
2002	3,417,837	533,073	18,130,522	310,118	61,486
Harvested cropland ..... farms, 2007	1,936	1,713	6,947	573	231
2002	2,264	2,402	8,457	474	252
acres, 2007	1,210,127	271,104	3,124,709	65,271	18,316
2002	1,080,342	301,165	3,201,363	61,087	28,416
2007 NUMBER OF ALL OPERATORS					
Total operators ..... number	46,710	117,044	372,563	26,424	11,392
Farms by number of operators:					
1 operator	18,743	47,849	142,175	9,214	3,357
2 operators	10,157	26,678	90,580	5,946	3,062
3 operators	1,704	3,798	11,487	1,137	413
4 operators	397	684	2,306	261	116
5 or more operators	168	271	889	142	36
Total women operators ..... number	11,499	33,707	118,431	7,145	4,210
Farms by number of women operators:					
1 operator	10,454	30,043	105,930	6,132	3,637
2 operators	436	1,478	4,974	367	232
3 operators	47	147	624	66	23
4 operators	8	26	118	14	10
5 or more operators	-	28	36	5	-
2002 NUMBER OF ALL OPERATORS					
Total operators ..... number	45,810	123,277	335,326	23,788	10,784
Farms by number of operators:					
1 operator	20,505	58,156	140,610	8,720	3,200
2 operators	9,344	25,386	76,231	5,272	2,834
3 operators	1,293	2,806	8,327	884	365
4 operators	408	823	2,589	268	115
5 or more operators	186	424	1,169	138	57
Total women operators ..... number	10,494	31,880	97,624	5,986	3,586
Farms by number of women operators:					
1 operator	9,398	28,215	85,790	5,170	3,154
2 operators	430	1,467	4,613	317	170
3 operators	55	163	642	41	16
4 operators	11	24	100	10	11
5 or more operators	4	22	47	3	-
PRINCIPAL OPERATOR CHARACTERISTICS					
Sex of operator:					
Male ..... farms, 2007	28,775	69,320	212,426	14,903	5,518
2002	29,552	78,182	201,734	14,054	5,604
acres, 2007	41,768,446	10,178,300	118,123,569	10,747,399	1,088,439
2002	41,959,275	10,906,287	118,699,139	11,552,969	1,150,559
Female ..... farms, 2007	2,394	9,960	35,011	1,797	1,466
2002	2,184	9,413	27,192	1,228	967
acres, 2007	1,897,957	791,498	12,275,184	347,301	144,874
2002	1,825,804	775,246	11,178,527	178,259	94,350
Primary occupation:					
Farming 2007	18,775	30,849	98,692	6,340	3,461
2002	23,049	44,100	122,719	7,447	3,486
Other 2007	12,394	48,431	148,745	10,360	3,523
2002	8,687	43,495	106,207	7,835	3,085

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
FARMS					
Land in farms ....farms, 2007	47,383	39,284	23,618	78,463	11,069
2002	47,606	35,939	20,812	77,131	9,422
acres, 2007	8,103,925	14,972,789	3,697,606	15,190,804	30,169,526
2002	8,624,829	15,318,008	3,584,668	15,741,552	34,402,726
Harvested cropland ....farms, 2007	30,563	20,091	17,494	54,105	5,573
2002	33,791	21,802	15,827	54,741	5,003
acres, 2007	2,544,997	4,387,169	692,003	8,884,628	1,536,240
2002	2,623,776	4,894,634	648,635	8,928,083	1,298,709
TENURE					
Full owners ....farms, 2007	32,143	30,268	17,694	53,783	7,124
2002	31,814	26,244	15,534	52,370	5,560
acres, 2007	3,504,581	6,316,566	2,050,782	5,825,339	8,711,896
2002	3,800,477	6,292,601	1,975,005	6,390,508	8,860,363
Harvested cropland ....farms, 2007	18,116	13,646	12,438	30,889	3,071
2002	20,425	14,412	11,218	31,367	2,703
acres, 2007	670,604	975,131	320,449	1,841,135	519,839
2002	746,320	1,175,645	296,993	2,121,110	432,024
Part owners ....farms, 2007	12,799	6,593	5,259	21,501	3,276
2002	13,138	7,199	4,637	21,205	3,082
acres, 2007	4,084,578	6,651,624	1,540,110	8,756,260	19,838,032
2002	4,316,919	6,968,685	1,493,503	8,633,835	22,824,896
Owned land in farms ....acres, 2007	1,828,985	2,961,738	754,351	4,865,557	12,238,977
2002	1,966,391	3,041,215	739,337	4,975,293	13,161,385
Rented land in farms ....acres, 2007	2,255,593	3,689,886	785,759	3,890,703	7,599,055
2002	2,350,528	3,927,470	754,166	3,658,542	9,663,511
Harvested cropland ....farms, 2007	10,884	4,842	4,610	20,622	2,180
2002	11,456	5,583	4,155	20,415	1,967
acres, 2007	1,613,435	2,473,630	343,834	6,551,145	929,172
2002	1,625,662	2,735,407	326,336	6,271,188	766,794
Tenants ....farms, 2007	2,441	2,423	665	3,179	669
2002	2,654	2,496	641	3,556	780
acres, 2007	514,766	2,004,599	106,714	609,205	1,619,598
2002	507,433	2,056,722	116,160	717,209	2,717,467
Harvested cropland ....farms, 2007	1,563	1,603	446	2,594	322
2002	1,910	1,807	454	2,959	333
acres, 2007	260,958	938,408	27,720	492,348	87,229
2002	251,794	983,582	25,306	535,785	99,891
2007 NUMBER OF ALL OPERATORS					
Total operators .... number	71,281	63,645	34,720	123,217	18,522
Farms by number of operators:					
1 operator	27,754	19,049	14,341	41,387	5,098
2 operators	16,528	17,387	7,857	31,681	4,906
3 operators	2,446	2,115	1,158	4,142	751
4 operators	466	486	186	830	254
5 or more operators	189	247	76	423	60
Total women operators .... number	21,946	23,678	10,217	38,263	6,537
Farms by number of women operators:					
1 operator	19,090	20,589	9,115	34,412	5,629
2 operators	1,143	1,254	462	1,494	363
3 operators	114	125	49	164	50
4 operators	17	24	6	37	3
5 or more operators	21	20	1	31	4
2002 NUMBER OF ALL OPERATORS					
Total operators .... number	69,577	56,386	29,573	118,065	15,736
Farms by number of operators:					
1 operator	29,651	19,531	13,617	43,522	4,536
2 operators	15,166	13,874	6,064	28,659	3,956
3 operators	2,052	1,717	826	3,365	607
4 operators	511	520	232	1,121	214
5 or more operators	226	297	73	464	109
Total women operators .... number	19,490	18,465	7,859	34,211	5,474
Farms by number of women operators:					
1 operator	16,883	15,878	6,915	30,408	4,574
2 operators	1,088	1,023	403	1,525	343
3 operators	120	124	39	182	50
4 operators	14	19	4	43	11
5 or more operators	3	12	1	6	4
PRINCIPAL OPERATOR CHARACTERISTICS					
Sex of operator:					
Male ....farms, 2007	39,537	31,194	20,399	69,287	9,465
2002	40,825	30,307	18,490	69,778	7,890
acres, 2007	7,355,146	14,091,177	3,319,015	14,330,674	27,760,155
2002	7,900,068	14,711,431	3,295,238	14,926,583	31,833,586
Female ....farms, 2007	7,846	8,090	3,219	9,176	1,604
2002	6,781	5,632	2,322	7,353	1,532
acres, 2007	748,779	881,612	378,591	860,130	2,409,371
2002	724,761	606,577	289,430	814,969	2,569,140
Primary occupation:					
Farming 2007	20,294	18,021	9,799	37,047	5,445
2002	25,500	21,013	10,507	45,798	5,760
Other 2007	27,089	21,263	13,819	41,416	5,624
2002	22,106	14,926	10,305	31,333	3,662

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		United States	Alabama	Alaska	Arizona	Arkansas	California
PRINCIPAL OPERATOR CHARACTERISTICS - Con.							
Place of residence:							
On farm operated	2007	1,693,362	37,966	564	12,384	38,103	59,464
	2002	1,680,160	36,076	462	5,426	38,030	57,739
Not on farm operated	2007	511,430	10,787	122	3,253	11,243	21,569
	2002	448,822	9,050	147	1,868	9,453	21,892
Days worked off farm:							
None	2007	777,747	17,262	223	6,646	18,241	26,322
	2002	962,200	20,519	272	3,579	21,312	40,223
Any	2007	1,427,045	31,491	463	8,991	31,105	54,711
	2002	1,166,782	24,607	337	3,715	26,171	39,408
1 to 49 days	2007	238,479	4,666	92	1,627	3,995	10,663
	2002	122,248	2,120	48	431	1,960	5,037
50 to 99 days	2007	115,578	2,613	57	1,063	2,256	5,353
	2002	66,306	1,224	38	249	1,220	2,813
100 to 199 days	2007	196,687	4,464	95	1,391	4,099	8,185
	2002	145,880	2,820	79	456	2,947	5,521
200 days or more	2007	876,301	19,748	219	4,910	20,755	30,510
	2002	832,348	18,443	172	2,579	20,044	26,037
Years on present farm:							
2 years or less	2007	84,883	2,230	29	523	2,452	3,793
	2002	74,754	1,440	17	420	1,746	3,239
3 or 4 years	2007	138,858	3,423	46	1,029	4,066	6,780
	2002	143,599	3,015	46	754	3,335	6,278
5 to 9 years	2007	359,545	8,093	130	2,677	8,686	16,286
	2002	374,756	8,379	112	1,673	9,346	14,711
10 years or more	2007	1,621,506	35,007	481	11,408	34,142	54,174
	2002	1,535,873	32,292	434	4,447	33,056	55,403
Average years on present farm	2007	21.6	20.5	18.4	22.3	19.8	18.6
	2002	20.7	20.0	18.2	16.5	19.5	18.4
Age group:							
Under 25 years	2007	11,878	240	1	80	222	292
	2002	16,962	252	1	37	384	364
25 to 34 years	2007	106,735	2,259	25	679	2,736	2,466
	2002	106,097	1,927	13	361	2,599	2,299
35 to 44 years	2007	268,818	5,959	77	1,732	6,695	8,279
	2002	366,306	6,564	86	1,180	8,031	11,470
45 to 54 years	2007	565,401	11,251	223	3,677	11,960	20,672
	2002	572,664	11,250	218	2,217	12,602	22,904
55 to 59 years	2007	312,577	6,947	120	2,015	7,051	12,442
	2002	268,712	6,462	84	939	6,303	10,870
60 to 64 years	2007	283,729	6,818	83	1,960	6,455	11,752
	2002	240,411	5,701	76	858	5,841	9,528
65 to 69 years	2007	235,152	5,661	63	1,791	5,571	9,264
	2002	197,476	4,896	48	671	4,522	7,219
70 years and over	2007	420,502	9,618	94	3,703	8,656	15,866
	2002	360,354	8,074	83	1,031	7,201	14,977
Average age	2007	57.1	57.6	56.2	58.5	56.5	58.4
	2002	55.3	56.6	55.2	54.9	54.9	56.8
INTERNET ACCESS							
Farms with-							
Internet access	2007	1,246,723	24,457	505	6,266	25,667	53,738
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access	2007	726,700	13,524	325	4,208	14,631	35,276
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)							
Small family farms:							
Limited-resource	farms, 2007	308,837	7,377	108	5,692	7,581	8,752
	acres, 2007	42,419,764	805,190	121,302	214,774	840,333	767,803
Retirement	farms, 2007	456,093	12,350	122	2,161	9,932	17,209
	acres, 2007	89,580,775	2,105,944	94,431	446,786	1,667,905	1,861,627
Residential/lifestyle	farms, 2007	801,844	18,948	210	3,639	18,434	24,566
	acres, 2007	121,143,585	2,496,095	38,925	456,668	2,294,701	2,249,975
Farming occupation/lower sales	farms, 2007	258,899	4,675	143	2,558	4,797	10,129
	acres, 2007	87,190,445	901,047	66,169	572,469	1,033,069	2,167,692
Farming occupation/higher sales	farms, 2007	100,126	577	17	151	953	2,949
	acres, 2007	104,081,344	452,017	(D)	225,779	594,455	2,346,296
Large family farms	farms, 2007	86,551	1,313	13	161	1,727	3,197
	acres, 2007	123,024,138	561,015	3,980	303,662	1,117,691	2,418,733
Very large family farms	farms, 2007	101,265	2,153	4	414	4,135	6,293
	acres, 2007	211,224,012	1,053,688	(D)	812,187	4,954,308	8,128,107
Nonfamily farms	farms, 2007	91,177	1,360	69	861	1,787	7,938
	acres, 2007	143,431,777	658,541	522,605	23,085,574	1,370,400	5,424,462
TYPE OF ORGANIZATION							
Family or individual	farms, 2007	1,906,335	45,014	550	13,721	42,470	64,001
	2002	1,909,598	42,359	497	5,695	43,458	64,442
	acres, 2007	574,150,050	7,085,414	(D)	1,597,797	8,338,563	12,828,975
	2002	621,800,072	7,199,848	275,099	2,322,529	10,260,591	14,779,799
Partnership	farms, 2007	174,247	2,377	42	962	4,667	9,552
	2002	129,593	1,882	30	841	2,626	8,953
	acres, 2007	161,416,999	1,278,960	46,654	1,378,550	4,141,737	7,085,500
	2002	146,461,777	1,180,055	34,647	1,482,031	3,177,056	7,542,134

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Place of residence:						
On farm operated 2007	28,158	4,062	2,039	35,822	37,776	5,355
2002	25,444	3,380	2,030	33,160	39,766	3,538
Not on farm operated 2007	8,896	854	507	11,641	10,070	2,166
2002	5,925	811	361	10,921	9,545	1,860
Days worked off farm:						
None 2007	11,079	1,561	1,126	16,063	17,549	1,903
2002	13,568	1,919	1,296	22,094	22,903	2,786
Any 2007	25,975	3,355	1,420	31,400	30,297	5,618
2002	17,801	2,272	1,095	21,987	26,408	2,612
1 to 49 days 2007	5,516	492	236	5,397	4,585	1,015
2002	2,187	205	152	2,111	2,324	332
50 to 99 days 2007	1,949	222	112	2,946	2,522	857
2002	1,108	105	83	1,160	1,430	226
100 to 199 days 2007	3,798	548	154	4,314	4,103	919
2002	2,425	343	170	2,613	3,048	393
200 days or more 2007	14,712	2,093	918	18,743	19,087	2,827
2002	12,081	1,619	690	16,103	19,606	1,661
Years on present farm:						
2 years or less 2007	1,468	144	102	2,199	1,998	406
2002	1,318	138	56	1,718	1,778	322
3 or 4 years 2007	2,755	322	143	4,026	3,686	672
2002	2,720	253	102	3,770	3,596	547
5 to 9 years 2007	6,615	840	418	10,153	8,551	1,642
2002	6,661	751	345	9,364	9,529	1,194
10 years or more 2007	26,216	3,610	1,883	31,085	33,611	4,801
2002	20,670	3,049	1,888	29,229	34,408	3,335
Average years on present farm 2007	19.6	22.3	21.9	17.9	20.1	16.4
2002	18.6	20.7	21.8	17.7	19.7	15.5
Age group:						
Under 25 years 2007	170	24	31	89	176	14
2002	266	24	7	203	290	14
25 to 34 years 2007	1,636	161	101	1,540	2,062	198
2002	1,413	119	77	1,660	1,930	154
35 to 44 years 2007	4,156	537	355	5,278	5,510	626
2002	6,033	806	487	6,999	7,261	720
45 to 54 years 2007	10,449	1,409	718	11,993	11,304	1,886
2002	9,048	1,169	645	10,648	13,021	1,772
55 to 59 years 2007	5,284	706	384	6,633	6,914	1,522
2002	3,951	542	309	5,889	6,630	796
60 to 64 years 2007	4,435	620	325	6,657	6,906	1,181
2002	3,281	463	334	5,242	6,298	504
65 to 69 years 2007	3,434	547	301	5,449	5,693	715
2002	2,697	335	188	4,397	4,983	426
70 years and over 2007	7,490	912	331	9,824	9,281	1,379
2002	4,680	733	344	9,043	8,898	1,012
Average age 2007	57.0	57.6	55.4	58.4	57.8	58.6
2002	54.5	55.4	54.8	57.0	56.5	56.5
INTERNET ACCESS						
Farms with-						
Internet access 2007	25,841	3,170	1,499	26,471	25,290	4,197
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access 2007	17,765	2,579	713	17,414	17,240	3,158
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited-resource ..... farms, 2007	4,573	738	332	7,798	7,112	1,450
acres, 2007	1,439,154	37,717	19,539	420,083	697,835	21,214
Retirement ..... farms, 2007	6,389	960	331	11,144	11,367	1,744
acres, 2007	2,697,586	61,667	25,207	1,115,614	1,774,369	112,340
Residential/lifestyle ..... farms, 2007	15,498	1,795	551	16,561	17,514	2,240
acres, 2007	5,057,079	76,303	29,021	1,173,395	2,123,546	100,721
Farming occupation/lower sales ..... farms, 2007	4,692	801	303	6,019	4,611	1,214
acres, 2007	3,700,672	65,443	30,013	724,596	802,620	65,681
Farming occupation/higher sales ..... farms, 2007	1,507	137	93	877	1,401	149
acres, 2007	3,521,294	22,051	36,230	382,104	833,510	(D)
Large family farms ..... farms, 2007	1,127	83	128	821	1,134	72
acres, 2007	4,009,910	14,395	55,411	668,014	758,187	89,953
Very large family farms ..... farms, 2007	1,233	145	630	1,455	3,030	60
acres, 2007	6,044,747	83,089	242,815	1,875,670	2,202,275	(D)
Nonfamily farms ..... farms, 2007	2,035	257	178	2,788	1,677	592
acres, 2007	5,134,469	44,951	72,017	2,872,094	958,197	570,950
TYPE OF ORGANIZATION						
Family or individual ..... farms, 2007	30,164	3,967	2,006	39,792	41,703	6,363
2002	27,280	3,436	2,015	37,119	45,050	4,629
acres, 2007	19,125,603	267,555	275,087	4,300,146	7,161,244	279,190
2002	20,505,316	236,889	321,555	5,163,088	8,046,717	329,179
Partnership ..... farms, 2007	3,762	485	210	2,417	3,850	437
2002	2,109	341	136	2,429	2,490	225
acres, 2007	6,527,619	60,415	80,861	1,177,990	1,750,488	137,319
2002	5,165,587	63,369	75,704	1,355,278	1,546,812	116,737

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
PRINCIPAL OPERATOR CHARACTERISTICS - Con.							
Place of residence:							
On farm operated	2007	20,946	54,591	48,870	65,736	44,116	67,854
	2002	21,229	54,949	51,031	69,329	46,076	69,556
Not on farm operated	2007	4,403	22,269	12,068	27,120	21,415	17,406
	2002	3,788	18,078	9,265	21,326	18,338	16,985
Days worked off farm:							
None	2007	8,170	28,398	20,161	35,689	24,419	29,156
	2002	10,348	33,260	23,945	41,409	30,423	37,365
Any	2007	17,179	48,462	40,777	57,167	41,112	56,104
	2002	14,669	39,767	36,351	49,246	33,991	49,176
1 to 49 days	2007	3,015	9,344	6,244	9,827	7,004	8,671
	2002	1,528	5,263	3,438	6,380	3,974	4,410
50 to 99 days	2007	1,372	3,671	2,485	4,306	2,753	4,483
	2002	812	2,750	1,690	3,131	1,973	2,529
100 to 199 days	2007	2,460	5,934	4,817	7,065	4,602	7,802
	2002	1,862	5,195	4,159	6,084	3,751	5,705
200 days or more	2007	10,332	29,513	27,231	35,969	26,753	35,148
	2002	10,467	26,559	27,064	33,651	24,293	36,532
Years on present farm:							
2 years or less	2007	1,169	2,304	1,971	2,947	2,180	3,509
	2002	1,073	1,834	1,794	2,314	1,805	3,231
3 or 4 years	2007	1,903	3,828	3,327	4,325	3,316	5,500
	2002	2,065	3,649	3,386	4,493	3,666	5,779
5 to 9 years	2007	4,237	10,326	8,912	11,480	9,167	13,689
	2002	4,946	9,355	9,380	12,038	9,586	15,288
10 years or more	2007	18,040	60,402	46,728	74,104	50,868	62,562
	2002	16,933	58,189	45,736	71,810	49,357	62,243
Average years on present farm	2007	20.3	24.0	22.8	24.9	24.4	21.1
	2002	18.7	23.9	22.2	23.9	23.6	20.2
Age group:							
Under 25 years	2007	112	594	396	686	417	421
	2002	162	607	537	869	561	664
25 to 34 years	2007	1,326	4,102	4,136	5,592	3,909	4,420
	2002	1,261	3,539	4,001	5,282	3,688	4,418
35 to 44 years	2007	2,929	9,657	9,217	12,358	7,141	11,239
	2002	4,773	12,594	11,729	17,331	10,535	14,965
45 to 54 years	2007	7,043	20,938	16,832	25,023	16,770	21,526
	2002	7,401	19,960	16,260	24,555	16,543	22,352
55 to 59 years	2007	3,717	11,091	7,999	12,556	8,638	12,157
	2002	3,327	9,183	7,424	10,582	7,061	11,336
60 to 64 years	2007	3,374	9,241	7,004	10,645	7,594	11,158
	2002	2,618	8,644	6,667	9,645	6,440	10,383
65 to 69 years	2007	2,658	7,761	5,820	8,835	6,350	9,498
	2002	2,030	6,645	5,268	8,075	6,324	8,238
70 years and over	2007	4,190	13,476	9,534	17,161	14,712	14,841
	2002	3,445	11,855	8,410	14,316	13,262	14,185
Average age	2007	56.5	56.2	55.0	56.1	57.7	56.5
	2002	54.1	55.1	53.7	54.3	56.0	55.2
INTERNET ACCESS							
Farms with-							
Internet access	2007	16,703	46,069	34,489	58,087	37,413	43,127
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access	2007	10,108	26,967	17,114	36,194	24,457	24,824
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)							
Small family farms:							
Limited-resource	farms, 2007	3,508	6,859	6,693	7,246	7,284	14,960
	acres, 2007	480,600	466,924	394,539	655,246	1,651,641	1,536,404
Retirement	farms, 2007	4,644	13,359	10,599	13,513	11,690	19,921
	acres, 2007	816,358	1,463,284	1,052,061	1,893,515	3,643,317	2,785,584
Residential/lifestyle	farms, 2007	9,494	26,001	24,744	29,045	23,056	33,938
	acres, 2007	1,175,001	2,481,394	1,718,641	3,292,800	5,250,730	3,497,193
Farming occupation/lower sales	farms, 2007	3,035	8,163	6,661	10,674	8,393	9,992
	acres, 2007	926,923	1,085,543	749,040	1,739,117	4,183,487	1,758,188
Farming occupation/higher sales	farms, 2007	1,140	5,599	3,205	9,491	4,594	1,911
	acres, 2007	1,219,363	2,575,136	1,307,104	3,994,014	6,207,175	880,105
Large family farms	farms, 2007	911	6,797	3,198	8,799	3,519	1,310
	acres, 2007	1,172,567	5,570,971	2,456,569	6,412,545	7,669,621	953,324
Very large family farms	farms, 2007	1,368	6,560	3,636	8,404	3,471	1,460
	acres, 2007	3,442,415	11,560,425	6,182,149	10,343,954	13,572,432	1,980,987
Nonfamily farms	farms, 2007	1,249	3,522	2,202	5,684	3,524	1,768
	acres, 2007	2,264,156	1,571,423	913,081	2,416,359	4,167,424	601,336
TYPE OF ORGANIZATION							
Family or individual	farms, 2007	21,308	65,748	52,553	77,452	55,706	76,140
	2002	22,041	64,468	53,864	78,699	57,238	79,297
	acres, 2007	5,874,172	19,684,044	9,925,524	22,445,574	32,564,351	10,999,037
	2002	6,242,277	21,147,869	10,887,357	24,657,577	35,725,661	11,235,033
Partnership	farms, 2007	2,124	6,509	4,614	6,990	5,549	7,334
	2002	1,543	5,296	3,463	5,792	4,062	5,764
	acres, 2007	2,343,151	4,112,831	2,508,988	3,324,382	7,611,693	2,338,456
	2002	2,199,877	3,710,047	2,212,185	3,011,172	6,587,582	2,032,036

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Place of residence:						
On farm operated 2007	21,339	6,924	10,589	6,093	47,084	63,563
2002	20,218	6,304	10,225	4,855	46,192	66,996
Not on farm operated 2007	8,767	1,212	2,245	1,598	8,930	17,429
2002	7,195	892	1,973	1,220	7,123	13,843
Days worked off farm:						
None 2007	10,413	2,525	4,548	2,418	20,533	29,612
2002	13,095	2,839	5,861	2,841	23,109	35,659
Any 2007	19,693	5,611	8,286	5,273	35,481	51,380
2002	14,318	4,357	6,337	3,234	30,206	45,180
1 to 49 days 2007	2,858	991	1,399	799	6,085	9,065
2002	1,233	427	750	387	2,751	5,360
50 to 99 days 2007	1,753	518	684	437	2,507	3,684
2002	744	273	385	189	1,598	2,818
100 to 199 days 2007	3,216	880	1,151	780	4,476	7,106
2002	2,249	709	868	499	3,510	6,275
200 days or more 2007	11,866	3,222	5,052	3,257	22,413	31,525
2002	10,092	2,948	4,334	2,159	22,347	30,727
Years on present farm:						
2 years or less 2007	1,397	250	372	326	1,691	2,022
2002	1,152	330	531	172	1,537	2,100
3 or 4 years 2007	2,119	684	695	442	3,022	3,312
2002	2,242	679	813	388	3,154	4,167
5 to 9 years 2007	5,507	1,480	2,254	1,249	8,258	10,006
2002	5,467	1,339	1,810	1,073	8,777	11,490
10 years or more 2007	21,083	5,722	9,513	5,674	43,043	65,652
2002	18,552	4,848	9,044	4,442	39,847	63,082
Average years on present farm 2007	20.2	20.5	22.1	21.2	22.9	24.5
2002	19.0	18.6	21.2	20.1	21.5	22.6
Age group:						
Under 25 years 2007	171	46	65	49	244	600
2002	193	48	94	29	435	908
25 to 34 years 2007	1,234	350	556	292	2,687	4,517
2002	1,585	275	490	181	2,532	4,968
35 to 44 years 2007	3,916	991	1,484	972	7,334	11,521
2002	4,658	1,473	1,998	1,171	10,489	17,651
45 to 54 years 2007	7,552	2,277	3,376	2,237	15,509	23,488
2002	7,163	2,300	3,127	1,844	15,227	22,558
55 to 59 years 2007	4,214	1,303	1,828	1,164	8,057	11,307
2002	3,453	917	1,701	857	6,666	9,345
60 to 64 years 2007	3,826	1,048	1,691	1,063	6,962	9,306
2002	3,319	685	1,549	624	6,014	8,638
65 to 69 years 2007	3,405	794	1,484	767	5,925	7,608
2002	2,641	598	1,146	446	4,407	6,587
70 years and over 2007	5,788	1,327	2,350	1,147	9,296	12,645
2002	4,401	900	2,093	923	7,545	10,184
Average age 2007	57.3	56.4	57.3	56.3	56.3	55.3
2002	55.1	53.7	55.9	54.9	54.2	52.9
INTERNET ACCESS						
Farms with-						
Internet access 2007	14,746	5,335	7,869	5,162	32,969	49,972
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access 2007	8,783	3,093	4,337	3,834	14,879	30,030
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited-resource ..... farms, 2007	4,515	1,881	1,652	1,390	8,427	9,345
acres, 2007	368,353	181,795	119,879	60,155	637,637	1,244,982
Retirement ..... farms, 2007	6,923	1,354	2,566	1,301	12,410	11,548
acres, 2007	1,104,762	178,585	222,234	80,976	1,268,113	1,890,329
Residential/lifestyle ..... farms, 2007	11,473	2,884	4,341	2,606	20,279	27,722
acres, 2007	1,367,602	304,680	309,126	114,147	1,542,208	3,550,245
Farming occupation/lower sales ..... farms, 2007	3,538	1,132	1,717	1,325	6,578	9,478
acres, 2007	629,892	138,424	199,828	85,790	765,071	1,944,833
Farming occupation/higher sales ..... farms, 2007	650	251	514	259	2,354	7,196
acres, 2007	466,192	79,444	180,441	35,801	934,012	3,367,565
Large family farms ..... farms, 2007	723	173	498	171	1,932	5,955
acres, 2007	821,720	91,266	265,386	34,098	1,370,747	4,615,029
Very large family farms ..... farms, 2007	1,233	164	855	136	2,173	5,845
acres, 2007	2,285,560	252,953	546,163	39,583	2,955,055	8,829,778
Nonfamily farms ..... farms, 2007	1,051	297	691	503	1,861	3,903
acres, 2007	1,065,894	120,419	208,699	67,329	558,964	1,475,201
TYPE OF ORGANIZATION						
Family or individual ..... farms, 2007	25,716	6,956	10,609	6,318	48,687	70,055
2002	24,915	6,377	10,577	5,020	48,070	73,018
acres, 2007	4,999,169	887,469	(D)	349,617	6,943,275	20,278,942
2002	5,433,839	954,562	1,493,644	351,800	7,430,707	21,535,902
Partnership ..... farms, 2007	2,395	544	1,038	574	4,260	6,227
2002	1,323	321	763	376	3,172	5,056
acres, 2007	1,636,954	165,957	314,514	69,149	1,887,719	4,136,851
2002	1,390,860	131,218	275,994	63,415	1,737,310	3,793,850

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
PRINCIPAL OPERATOR CHARACTERISTICS - Con.							
Place of residence:							
On farm operated	2007	29,551	84,097	22,624	34,601	2,658	3,756
	2002	31,596	86,651	22,328	37,589	2,622	3,000
Not on farm operated	2007	12,408	23,728	6,900	13,111	473	410
	2002	10,590	20,146	5,542	11,766	367	363
Days worked off farm:							
None	2007	15,138	37,445	11,746	19,947	1,134	1,257
	2002	19,440	46,248	13,824	25,133	1,345	1,380
Any	2007	26,821	70,380	17,778	27,765	1,997	2,909
	2002	22,746	60,549	14,046	24,222	1,644	1,983
1 to 49 days	2007	4,405	11,341	3,453	5,285	301	397
	2002	1,991	5,386	2,086	3,785	185	235
50 to 99 days	2007	2,269	4,951	1,488	2,052	179	268
	2002	1,119	2,837	1,058	1,723	117	152
100 to 199 days	2007	3,813	8,467	2,687	3,269	350	538
	2002	2,727	7,031	2,002	2,910	268	297
200 days or more	2007	16,334	45,621	10,150	17,159	1,167	1,706
	2002	16,909	45,295	8,900	15,804	1,074	1,299
Years on present farm:							
2 years or less	2007	2,011	4,757	1,071	1,287	115	154
	2002	1,492	3,796	1,105	1,148	114	137
3 or 4 years	2007	2,746	7,087	1,663	2,082	250	274
	2002	3,020	6,774	1,771	2,331	248	272
5 to 9 years	2007	7,072	17,114	4,448	5,716	566	800
	2002	8,539	18,305	4,562	6,351	691	588
10 years or more	2007	30,130	78,867	22,342	38,627	2,200	2,938
	2002	29,135	77,922	20,432	39,525	1,936	2,366
Average years on present farm	2007	20.9	21.9	22.4	25.7	19.0	20.2
	2002	20.2	21.6	21.2	24.5	17.8	18.7
Age group:							
Under 25 years	2007	178	704	119	378	15	24
	2002	368	671	170	403	11	25
25 to 34 years	2007	1,729	5,622	1,177	2,975	119	142
	2002	1,525	6,284	1,221	3,370	93	109
35 to 44 years	2007	4,741	14,034	3,078	6,168	379	542
	2002	6,058	17,159	4,560	9,713	490	683
45 to 54 years	2007	9,437	26,342	7,904	13,227	755	1,205
	2002	10,498	26,122	8,218	13,633	857	1,045
55 to 59 years	2007	6,048	14,729	4,525	6,663	476	669
	2002	5,459	13,171	3,629	5,314	411	425
60 to 64 years	2007	5,627	13,207	3,884	5,239	401	545
	2002	5,112	12,530	3,026	4,797	361	358
65 to 69 years	2007	4,717	11,566	3,045	4,349	415	419
	2002	4,548	10,745	2,290	4,148	276	285
70 years and over	2007	9,482	21,621	5,792	8,713	571	620
	2002	8,618	20,115	4,756	7,977	490	433
Average age	2007	58.6	57.1	57.8	55.9	57.5	56.2
	2002	57.2	56.0	55.4	53.9	55.9	54.1
INTERNET ACCESS							
Farms with-							
Internet access	2007	18,405	55,844	18,484	30,073	2,128	3,063
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access	2007	8,608	25,692	11,084	19,975	1,352	1,941
	2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)							
Small family farms:							
Limited-resource	farms, 2007	6,715	15,785	4,042	4,243	402	758
	acres, 2007	831,323	2,206,045	1,997,140	1,089,515	86,680	56,297
Retirement	farms, 2007	10,357	23,491	5,312	5,352	580	795
	acres, 2007	2,119,792	4,528,807	3,808,354	1,841,587	201,689	89,161
Residential/lifestyle	farms, 2007	15,960	42,987	9,016	12,927	1,074	1,472
	acres, 2007	2,702,756	6,077,955	4,320,616	2,976,232	205,152	118,079
Farming occupation/lower sales	farms, 2007	3,699	12,252	4,539	5,858	417	726
	acres, 2007	782,767	3,217,223	6,579,051	3,032,160	146,309	74,047
Farming occupation/higher sales	farms, 2007	586	3,931	2,797	5,792	160	88
	acres, 2007	383,022	2,926,572	12,558,503	6,698,728	276,308	19,730
Large family farms	farms, 2007	782	2,810	1,717	5,325	137	71
	acres, 2007	672,790	3,375,111	12,110,045	9,217,930	473,969	24,718
Very large family farms	farms, 2007	2,411	2,861	995	5,240	142	53
	acres, 2007	2,894,218	5,083,514	11,491,987	15,629,364	1,194,440	26,812
Nonfamily farms	farms, 2007	1,449	3,708	1,106	2,975	219	203
	acres, 2007	1,069,573	1,611,346	8,522,766	4,994,842	3,280,845	63,067
TYPE OF ORGANIZATION							
Family or individual	farms, 2007	36,353	94,818	22,625	39,848	2,542	3,551
	2002	39,035	98,435	22,448	42,835	2,499	2,917
	acres, 2007	7,208,578	22,450,935	29,645,852	30,456,388	1,416,997	347,611
	2002	7,715,805	24,563,254	31,388,078	32,254,161	1,648,034	327,652
Partnership	farms, 2007	3,769	8,202	2,839	3,616	284	299
	2002	2,166	5,563	2,192	3,080	205	206
	acres, 2007	3,200,365	3,731,684	10,263,436	6,177,822	616,765	52,530
	2002	2,595,126	3,301,108	9,197,773	5,895,833	810,804	49,315

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Place of residence:						
On farm operated 2007	8,440	15,991	31,588	41,587	20,467	63,535
2002	8,263	11,805	32,986	43,755	21,123	66,152
Not on farm operated 2007	1,887	4,939	4,764	11,326	11,503	12,326
2002	1,661	3,365	4,269	10,175	9,496	11,645
Days worked off farm:						
None 2007	3,208	7,481	14,282	19,602	15,291	24,974
2002	4,364	6,998	18,492	26,420	17,030	30,999
Any 2007	7,119	13,449	22,070	33,311	16,679	50,887
2002	5,560	8,172	18,763	27,510	13,589	46,798
1 to 49 days 2007	1,286	2,648	3,164	5,279	3,430	7,496
2002	533	995	2,102	2,934	2,486	4,243
50 to 99 days 2007	607	1,532	1,735	2,749	1,279	3,450
2002	343	574	1,097	1,450	1,180	2,383
100 to 199 days 2007	1,119	2,039	3,531	4,572	2,258	6,493
2002	822	1,052	2,816	3,318	2,055	5,534
200 days or more 2007	4,107	7,230	13,640	20,711	9,712	33,448
2002	3,862	5,551	12,748	19,808	7,868	34,638
Years on present farm:						
2 years or less 2007	252	919	1,229	2,153	808	2,411
2002	301	685	1,073	1,744	725	2,410
3 or 4 years 2007	535	1,075	2,132	3,453	1,368	4,168
2002	610	1,185	2,264	3,185	1,298	4,959
5 to 9 years 2007	1,866	3,102	5,638	8,385	3,533	11,087
2002	1,738	2,811	5,749	8,827	3,758	12,848
10 years or more 2007	7,674	15,834	27,353	38,922	26,261	58,195
2002	7,275	10,489	28,169	40,174	24,838	57,580
Average years on present farm 2007	20.6	22.6	22.6	21.9	26.8	22.8
2002	19.5	19.1	21.4	21.6	25.3	21.3
Age group:						
Under 25 years 2007	27	131	159	307	350	417
2002	43	124	228	298	299	746
25 to 34 years 2007	262	687	1,720	2,056	2,065	4,312
2002	295	577	1,628	2,287	2,077	4,624
35 to 44 years 2007	1,350	1,937	4,756	6,521	3,961	10,367
2002	1,879	2,308	7,020	8,288	5,657	15,545
45 to 54 years 2007	2,957	4,652	10,060	13,035	8,289	21,368
2002	2,903	4,334	11,443	14,545	8,307	21,449
55 to 59 years 2007	1,501	3,002	5,396	7,751	4,418	10,473
2002	1,314	1,749	4,895	7,391	3,499	9,259
60 to 64 years 2007	1,383	2,777	4,818	7,518	3,650	8,934
2002	1,134	1,666	3,948	6,312	2,935	8,524
65 to 69 years 2007	1,061	2,568	3,693	5,992	2,729	7,438
2002	827	1,482	2,943	5,428	2,569	6,579
70 years and over 2007	1,786	5,176	5,750	9,733	6,508	12,552
2002	1,529	2,930	5,150	9,381	5,276	11,071
Average age 2007	57.1	59.6	56.2	57.3	56.5	55.7
2002	55.1	56.4	54.1	56.1	54.4	53.8
INTERNET ACCESS						
Farms with-						
Internet access 2007	6,495	10,020	22,738	28,313	19,526	43,852
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access 2007	5,026	6,178	13,172	18,243	13,465	23,785
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited-resource ..... farms, 2007	1,241	5,264	5,691	8,622	2,999	9,670
acres, 2007	36,604	2,003,998	626,034	577,644	1,063,728	753,927
Retirement ..... farms, 2007	2,124	4,732	6,795	11,712	5,001	15,071
acres, 2007	84,773	3,318,179	841,731	1,155,686	2,191,299	1,642,199
Residential/lifestyle ..... farms, 2007	3,987	5,914	11,249	17,917	8,104	30,434
acres, 2007	123,131	3,971,524	1,128,215	1,297,549	2,741,305	2,500,385
Farming occupation/lower sales ..... farms, 2007	1,609	2,554	5,530	5,704	4,475	8,989
acres, 2007	95,019	5,677,434	808,622	718,630	3,387,202	1,062,083
Farming occupation/higher sales ..... farms, 2007	299	474	2,569	1,236	3,627	3,556
acres, 2007	66,685	4,116,307	784,877	551,524	6,208,712	1,492,958
Large family farms ..... farms, 2007	249	295	1,659	1,751	3,529	3,087
acres, 2007	94,477	3,711,198	819,117	868,227	8,172,541	2,172,985
Very large family farms ..... farms, 2007	337	439	1,541	4,114	3,589	2,781
acres, 2007	154,815	4,652,386	1,644,347	2,701,703	14,642,897	3,634,830
Nonfamily farms ..... farms, 2007	481	1,258	1,318	1,857	646	2,273
acres, 2007	77,946	15,787,023	521,800	603,708	1,266,902	697,196
TYPE OF ORGANIZATION						
Family or individual ..... farms, 2007	8,679	18,185	30,621	45,766	28,079	66,382
2002	8,578	13,455	32,654	48,672	27,578	70,890
acres, 2007	470,034	20,116,491	4,860,853	5,768,298	31,187,986	10,503,211
2002	527,218	22,655,872	5,596,089	6,608,168	31,901,516	11,553,861
Partnership ..... farms, 2007	726	1,456	3,347	4,246	2,834	5,737
2002	576	885	2,846	3,209	2,289	4,549
acres, 2007	103,592	7,274,300	1,435,598	1,508,528	6,103,401	2,200,216
2002	117,722	7,447,770	1,357,841	1,449,165	5,213,615	2,011,507

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Place of residence:						
On farm operated	2007	65,968	34,088	54,020	972	19,429
	2002	63,969	36,077	51,095	698	19,071
Not on farm operated	2007	20,597	4,465	9,143	247	6,438
	2002	19,331	3,956	7,010	160	5,470
Days worked off farm:						
None	2007	29,750	13,194	22,933	396	9,066
	2002	34,931	17,600	26,797	392	10,917
Any	2007	56,815	25,359	40,230	823	16,801
	2002	48,369	22,433	31,308	466	13,624
1 to 49 days	2007	7,407	4,641	7,072	88	2,861
	2002	3,670	2,373	3,800	36	1,337
50 to 99 days	2007	4,246	2,125	2,888	76	1,434
	2002	2,371	1,431	1,825	26	728
100 to 199 days	2007	7,995	3,938	5,390	159	2,267
	2002	5,657	3,195	3,922	80	1,484
200 days or more	2007	37,167	14,655	24,880	500	10,239
	2002	36,671	15,434	21,761	324	10,075
Years on present farm:						
2 years or less	2007	3,783	1,533	2,361	56	994
	2002	3,900	1,487	2,287	35	861
3 or 4 years	2007	6,185	2,767	3,657	73	1,493
	2002	6,516	3,163	4,190	60	1,874
5 to 9 years	2007	15,718	6,807	10,039	172	4,411
	2002	16,464	8,216	9,630	120	4,802
10 years or more	2007	60,879	27,446	47,106	918	18,969
	2002	56,420	27,167	41,998	643	17,004
Average years on present farm	2007	20.8	19.5	22.0	21.4	21.0
	2002	19.8	17.6	20.8	20.4	20.0
Age group:						
Under 25 years	2007	642	109	520	5	83
	2002	782	176	688	4	184
25 to 34 years	2007	4,972	1,495	4,558	52	996
	2002	4,223	1,670	4,498	32	960
35 to 44 years	2007	10,173	4,085	8,763	173	2,754
	2002	13,418	6,418	11,376	176	3,546
45 to 54 years	2007	19,759	10,145	16,781	336	6,010
	2002	20,551	12,332	16,186	245	6,257
55 to 59 years	2007	11,310	6,138	8,730	164	3,751
	2002	10,468	5,684	6,693	102	3,471
60 to 64 years	2007	11,023	5,527	7,463	146	3,983
	2002	9,713	4,752	5,848	118	2,966
65 to 69 years	2007	9,983	4,319	6,193	156	2,966
	2002	8,718	3,496	4,675	64	2,338
70 years and over	2007	18,703	6,735	10,155	187	5,324
	2002	15,427	5,505	8,141	117	4,819
Average age	2007	57.6	57.5	55.2	56.3	58.5
	2002	56.0	54.9	53.1	54.3	56.9
INTERNET ACCESS						
Farms with-						
Internet access	2007	45,923	27,623	32,239	798	12,344
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access	2007	25,168	16,634	18,252	606	7,326
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited-resource	farms, 2007	11,997	5,503	10,230	209	4,596
	acres, 2007	2,127,449	653,019	818,348	8,954	479,695
Retirement	farms, 2007	20,447	9,126	11,755	217	6,561
	acres, 2007	5,514,970	1,509,949	1,158,308	10,565	1,003,823
Residential/lifestyle	farms, 2007	35,061	13,807	22,563	390	9,824
	acres, 2007	7,262,122	1,592,308	1,672,568	18,046	1,148,377
Farming occupation/lower sales	farms, 2007	10,762	4,824	7,533	221	2,535
	acres, 2007	5,171,539	1,552,893	842,882	9,678	459,017
Farming occupation/higher sales	farms, 2007	2,200	1,181	4,644	36	329
	acres, 2007	3,827,046	1,814,858	951,075	4,094	266,139
Large family farms	farms, 2007	1,558	899	2,589	27	305
	acres, 2007	3,725,256	2,143,179	895,990	3,629	280,699
Very large family farms	farms, 2007	1,655	1,246	2,003	21	865
	acres, 2007	4,833,169	3,519,222	1,039,408	4,123	748,665
Nonfamily farms	farms, 2007	2,885	1,967	1,846	98	852
	acres, 2007	2,625,718	3,614,219	430,665	8,730	502,924
TYPE OF ORGANIZATION						
Family or individual	farms, 2007	77,412	32,793	57,749	918	22,989
	2002	78,197	35,375	53,201	699	22,755
	acres, 2007	27,490,238	8,598,464	6,298,139	45,629	3,561,969
	2002	27,938,071	9,272,179	6,351,160	40,046	3,694,570
Partnership	farms, 2007	5,905	2,907	3,265	110	1,827
	2002	3,392	2,284	3,428	52	1,050
	acres, 2007	4,518,888	3,289,940	951,261	8,465	810,596
	2002	3,686,707	3,737,077	1,016,312	5,402	721,706

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	South Dakota	Tennessee	Texas	Utah	Vermont
PRINCIPAL OPERATOR CHARACTERISTICS - Con.					
Place of residence:					
On farm operated 2007	23,556	64,427	169,451	11,721	6,106
2002	25,544	72,332	154,024	10,933	5,718
Not on farm operated 2007	7,613	14,853	77,986	4,979	878
2002	6,192	15,263	74,902	4,349	853
Days worked off farm:					
None 2007	13,679	26,299	77,115	4,969	2,323
2002	16,736	36,807	100,495	5,894	3,029
Any 2007	17,490	52,981	170,322	11,731	4,661
2002	15,000	50,788	128,431	9,388	3,542
1 to 49 days 2007	3,592	7,951	29,887	2,079	861
2002	2,299	4,144	13,279	808	392
50 to 99 days 2007	1,270	4,535	17,120	960	425
2002	1,133	2,280	7,437	479	246
100 to 199 days 2007	2,293	7,661	25,792	1,504	788
2002	1,997	5,593	16,243	943	530
200 days or more 2007	10,335	32,834	97,523	7,188	2,587
2002	9,571	38,771	91,472	7,158	2,374
Years on present farm:					
2 years or less 2007	775	3,538	10,907	650	214
2002	956	2,964	10,246	619	221
3 or 4 years 2007	1,178	5,216	17,970	975	407
2002	1,564	6,008	19,306	1,107	421
5 to 9 years 2007	3,845	12,724	49,603	2,681	1,193
2002	4,498	15,922	50,455	3,014	1,077
10 years or more 2007	25,371	57,802	168,957	12,394	5,170
2002	24,718	62,701	148,919	10,542	4,852
Average years on present farm 2007	25.7	21.1	19.2	21.9	21.7
2002	23.8	20.1	18.2	19.9	19.9
Age group:					
Under 25 years 2007	242	366	914	54	49
2002	414	996	2,004	133	44
25 to 34 years 2007	2,113	3,081	9,246	964	325
2002	2,249	3,677	10,243	791	271
35 to 44 years 2007	4,045	9,698	25,765	1,771	856
2002	6,307	14,212	33,629	2,645	1,265
45 to 54 years 2007	8,700	18,665	57,195	4,310	1,859
2002	9,097	22,203	56,498	4,202	2,072
55 to 59 years 2007	4,420	11,244	33,990	2,370	1,109
2002	3,386	11,688	29,091	1,772	853
60 to 64 years 2007	3,415	11,031	34,004	1,976	957
2002	2,931	10,386	26,446	1,710	672
65 to 69 years 2007	2,655	9,386	29,096	1,798	669
2002	2,507	8,473	23,646	1,499	521
70 years and over 2007	5,579	15,809	57,227	3,457	1,160
2002	4,845	15,960	47,369	2,530	873
Average age 2007	55.7	57.8	58.9	57.4	56.5
2002	53.3	56.0	56.9	55.2	53.9
INTERNET ACCESS					
Farms with-					
Internet access 2007	19,907	39,426	129,805	9,798	4,627
2002	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access 2007	12,828	21,508	73,538	6,841	2,521
2002	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)					
Small family farms:					
Limited-resource ....farms, 2007	2,781	13,945	34,613	2,409	1,277
acres, 2007	1,117,199	1,137,752	7,306,030	369,376	144,690
Retirement ....farms, 2007	3,515	19,385	64,462	3,536	1,162
acres, 2007	1,753,590	2,233,687	17,885,234	898,003	150,810
Residential/lifestyle ....farms, 2007	8,565	32,824	99,316	6,986	2,340
acres, 2007	2,779,815	2,941,370	24,305,522	1,177,653	218,486
Farming occupation/lower sales ....farms, 2007	4,425	8,542	27,014	1,701	974
acres, 2007	3,917,134	1,315,658	16,350,373	661,902	137,774
Farming occupation/higher sales ....farms, 2007	4,461	1,095	4,309	450	375
acres, 2007	8,703,656	645,823	12,303,497	776,411	111,039
Large family farms ....farms, 2007	3,459	908	3,891	345	289
acres, 2007	9,030,901	807,769	12,652,868	877,616	125,232
Very large family farms ....farms, 2007	2,560	1,143	5,246	326	247
acres, 2007	11,082,543	1,529,568	22,461,300	821,292	233,105
Nonfamily farms ....farms, 2007	1,403	1,438	8,586	947	320
acres, 2007	5,281,565	358,171	17,133,929	5,512,447	112,177
TYPE OF ORGANIZATION					
Family or individual ....farms, 2007	26,633	72,675	218,126	13,614	5,848
2002	28,189	82,866	210,409	13,108	5,716
acres, 2007	29,348,956	8,929,363	83,744,156	3,429,156	872,145
2002	31,509,607	9,876,453	90,294,491	3,808,024	932,490
Partnership ....farms, 2007	2,658	5,568	20,657	1,645	608
2002	2,163	3,996	12,720	1,315	483
acres, 2007	7,247,814	1,724,510	31,767,135	1,810,957	184,498
2002	6,141,716	1,523,635	26,487,602	1,610,244	178,897

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Virginia	Washington	West Virginia	Wisconsin	Wyoming
PRINCIPAL OPERATOR CHARACTERISTICS - Con.						
Place of residence:						
On farm operated	2007	38,654	32,472	20,209	64,911	9,085
	2002	39,014	30,453	17,985	65,351	8,015
Not on farm operated	2007	8,729	6,812	3,409	13,552	1,984
	2002	8,592	5,486	2,827	11,780	1,407
Days worked off farm:						
None	2007	16,385	13,701	8,074	30,492	3,849
	2002	21,530	16,798	8,910	34,899	4,167
Any	2007	30,998	25,583	15,544	47,971	7,220
	2002	26,076	19,141	11,902	42,232	5,255
1 to 49 days	2007	4,843	4,242	2,428	7,312	1,144
	2002	2,558	2,076	848	4,247	612
50 to 99 days	2007	2,555	2,019	1,149	3,062	552
	2002	1,487	1,205	538	2,202	337
100 to 199 days	2007	4,364	3,926	2,019	5,943	1,153
	2002	3,284	2,912	1,409	5,288	830
200 days or more	2007	19,236	15,396	9,948	31,654	4,371
	2002	18,747	12,948	9,107	30,495	3,476
Years on present farm:						
2 years or less	2007	1,778	1,684	738	2,677	546
	2002	1,637	1,201	690	2,370	485
3 or 4 years	2007	3,260	3,058	1,407	4,151	807
	2002	3,145	2,586	1,307	4,763	775
5 to 9 years	2007	7,988	7,311	3,761	11,395	1,914
	2002	8,174	6,601	3,628	12,926	1,848
10 years or more	2007	34,357	27,231	17,712	60,240	7,802
	2002	34,650	25,551	15,187	57,072	6,314
Average years on present farm	2007	21.3	19.6	22.1	22.3	19.9
	2002	20.6	19.2	20.8	21.1	18.8
Age group:						
Under 25 years	2007	164	145	98	485	53
	2002	241	143	120	625	73
25 to 34 years	2007	1,802	1,535	903	4,281	562
	2002	1,954	1,129	770	4,380	388
35 to 44 years	2007	5,251	4,399	2,662	11,550	1,076
	2002	7,257	5,579	3,223	17,298	1,593
45 to 54 years	2007	11,616	10,780	5,618	23,359	2,924
	2002	12,106	11,300	5,673	22,410	3,394
55 to 59 years	2007	6,727	6,359	3,445	11,236	1,884
	2002	6,222	5,221	2,771	9,107	1,040
60 to 64 years	2007	6,550	5,512	3,287	9,377	1,391
	2002	5,762	4,185	2,468	7,476	923
65 to 69 years	2007	5,427	4,050	2,860	6,946	1,262
	2002	4,820	3,131	2,070	5,903	708
70 years and over	2007	9,846	6,504	4,745	11,229	1,917
	2002	9,244	5,251	3,717	9,932	1,303
Average age	2007	58.2	57.0	58.1	55.0	57.1
	2002	56.7	55.4	56.3	53.0	54.1
INTERNET ACCESS						
Farms with-						
Internet access	2007	25,493	27,265	11,024	45,179	7,289
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
High-speed internet access	2007	12,068	16,787	5,035	22,894	4,720
	2002	(NA)	(NA)	(NA)	(NA)	(NA)
FARM TYPOLOGY (SEE TEXT)						
Small family farms:						
Limited-resource	farms, 2007	7,767	5,440	4,925	11,040	1,400
	acres, 2007	773,829	483,441	617,097	1,073,555	797,296
Retirement	farms, 2007	11,967	8,571	6,420	12,300	1,810
	acres, 2007	1,712,972	1,356,415	1,010,937	1,520,584	1,675,077
Residential/lifestyle	farms, 2007	17,759	14,066	9,079	28,860	3,824
	acres, 2007	1,910,580	1,269,635	1,187,536	2,631,033	2,165,439
Farming occupation/lower sales	farms, 2007	5,504	4,566	2,343	9,283	1,692
	acres, 2007	1,027,758	1,038,818	452,346	1,345,612	2,990,907
Farming occupation/higher sales	farms, 2007	850	1,173	170	6,942	821
	acres, 2007	519,239	1,175,596	102,354	2,109,254	4,973,889
Large family farms	farms, 2007	838	1,305	153	4,346	465
	acres, 2007	596,186	1,781,727	90,009	2,136,089	4,729,086
Very large family farms	farms, 2007	1,185	1,866	231	3,009	302
	acres, 2007	961,557	3,430,246	154,495	3,360,975	5,763,408
Nonfamily farms	farms, 2007	1,513	2,297	297	2,683	755
	acres, 2007	601,804	4,436,911	82,832	1,013,702	7,074,424
TYPE OF ORGANIZATION						
Family or individual	farms, 2007	41,173	32,547	22,488	68,138	8,784
	2002	42,851	30,525	19,862	68,719	7,566
	acres, 2007	5,939,473	6,195,951	3,369,885	10,927,081	13,129,588
	2002	6,770,278	7,109,059	3,215,036	11,823,640	15,888,422
Partnership	farms, 2007	3,625	2,932	856	6,386	1,024
	2002	2,757	2,280	639	5,347	928
	acres, 2007	1,206,182	2,770,407	235,790	2,297,844	5,807,737
	2002	997,214	2,637,203	249,495	2,173,479	6,962,553

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	United States	Alabama	Alaska	Arizona	Arkansas	California
TYPE OF ORGANIZATION - Con.						
Corporation:						
Family-held ....farms, 2007	85,837	894	43	612	1,622	4,603
2002	66,667	549	27	518	1,054	4,269
acres, 2007	114,264,200	494,942	44,917	1,714,673	1,105,151	3,340,414
2002	99,019,750	381,877	(D)	1,012,669	843,362	3,605,651
Other than family held ....farms, 2007	10,237	123	9	117	232	1,147
2002	7,085	109	9	75	128	801
acres, 2007	11,055,610	34,428	(D)	146,596	117,599	1,168,852
2002	9,319,834	36,726	(D)	107,657	88,620	819,981
Other - cooperative, estate or trust, institutional, etc. ....farms, 2007	28,136	345	42	225	355	1,730
2002	16,039	227	46	165	217	1,166
acres, 2007	61,208,981	139,793	(D)	21,280,283	169,812	940,954
2002	61,677,623	105,881	312,014	21,661,691	133,164	841,462

Item	Colorado	Connecticut	Delaware	Florida	Georgia	Hawaii
TYPE OF ORGANIZATION - Con.						
Corporation:						
Family-held ....farms, 2007	2,103	350	244	4,178	1,691	491
2002	1,458	300	199	3,509	1,322	392
acres, 2007	3,751,760	58,209	130,845	2,605,781	967,468	413,945
2002	3,592,082	40,090	131,210	2,652,286	863,719	344,755
Other than family held ....farms, 2007	239	39	38	515	218	126
2002	171	38	13	567	162	80
acres, 2007	521,327	7,104	9,941	945,273	120,189	264,742
2002	475,043	6,334	3,887	1,018,953	126,550	368,784
Other - cooperative, estate or trust, institutional, etc. ....farms, 2007	786	75	48	561	384	104
2002	351	76	28	457	287	72
acres, 2007	1,678,602	12,333	13,519	202,380	151,150	26,133
2002	1,355,308	10,472	7,724	225,272	160,441	141,044

Item	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky
TYPE OF ORGANIZATION - Con.						
Corporation:						
Family-held ....farms, 2007	1,434	3,055	2,769	6,029	2,531	1,273
2002	1,148	2,385	2,461	4,900	2,074	983
acres, 2007	2,196,738	2,635,534	2,109,693	4,399,004	5,201,010	503,740
2002	2,419,181	2,218,324	1,811,731	3,742,023	4,269,110	427,172
Other than family held ....farms, 2007	99	378	209	480	243	156
2002	70	199	171	379	168	136
acres, 2007	129,515	115,427	112,241	203,312	249,888	52,001
2002	81,260	78,685	74,367	120,225	201,627	49,800
Other - cooperative, estate or trust, institutional, etc. ....farms, 2007	384	1,170	793	1,905	1,502	357
2002	215	679	337	885	872	361
acres, 2007	953,807	227,264	116,738	375,278	718,885	99,887
2002	824,699	155,908	73,030	198,493	443,964	99,665

Item	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota
TYPE OF ORGANIZATION - Con.						
Corporation:						
Family-held ....farms, 2007	1,639	506	846	566	2,245	2,522
2002	952	371	642	494	1,683	2,163
acres, 2007	1,026,510	259,305	(D)	68,774	1,050,255	2,049,368
2002	806,915	257,403	244,323	70,935	875,773	1,987,076
Other than family held ....farms, 2007	136	46	131	75	249	326
2002	89	51	84	65	134	179
acres, 2007	274,837	9,969	(D)	8,110	53,005	121,986
2002	112,383	3,962	19,064	7,953	35,576	42,582
Other - cooperative, estate or trust, institutional, etc. ....farms, 2007	220	84	210	158	573	1,862
2002	134	76	132	120	256	423
acres, 2007	172,505	24,866	(D)	22,229	97,553	330,815
2002	86,667	22,623	44,605	24,467	63,592	152,860

Item	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire
TYPE OF ORGANIZATION - Con.						
Corporation:						
Family-held ....farms, 2007	1,248	2,739	3,353	3,394	207	178
2002	608	1,973	2,607	2,950	174	142
acres, 2007	725,259	2,242,236	16,982,934	7,787,958	1,609,413	36,943
2002	537,636	1,746,804	13,935,753	6,929,362	2,044,726	33,893
Other than family held ....farms, 2007	219	324	156	177	23	42
2002	97	201	123	115	26	15
acres, 2007	126,144	139,301	585,392	383,629	956,143	2,614
2002	80,661	116,638	712,176	232,819	423,894	1,765
Other - cooperative, estate or trust, institutional, etc. ....farms, 2007	370	1,742	551	677	75	96
2002	280	625	500	375	85	83
acres, 2007	195,895	462,417	3,910,848	674,561	1,266,074	32,213
2002	168,315	218,231	4,378,623	590,941	1,403,164	32,254

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Table 46. **Selected Operation and Operator Characteristics: 2007 and 2002** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio
TYPE OF ORGANIZATION - Con.						
Corporation:						
Family-held ..... farms, 2007	726	780	1,885	2,241	519	2,749
2002	598	573	1,388	1,652	418	1,689
acres, 2007	125,996	7,345,325	739,348	1,043,198	1,272,423	1,066,686
2002	(D)	5,624,995	588,818	892,267	1,069,867	864,583
Other than family held ..... farms, 2007	103	59	225	384	41	207
2002	103	58	193	171	28	154
acres, 2007	16,999	178,657	49,521	93,040	63,094	51,298
2002	(D)	236,736	38,979	54,191	21,739	51,433
Other - cooperative, estate or trust, institutional, etc. ..... farms, 2007	93	450	274	276	497	786
2002	69	199	174	226	306	515
acres, 2007	16,829	8,323,276	89,423	61,607	1,047,682	135,152
2002	16,869	8,844,710	79,242	75,210	1,088,142	102,051

Item	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina
TYPE OF ORGANIZATION - Con.					
Corporation:					
Family-held ..... farms, 2007	1,566	2,251	1,480	159	745
2002	978	1,895	1,077	86	477
acres, 2007	1,906,242	3,572,978	400,846	12,284	347,748
2002	1,312,382	2,932,785	293,938	12,693	267,074
Other than family held ..... farms, 2007	203	256	239	17	100
2002	138	169	172	4	79
acres, 2007	170,023	156,044	62,623	246	50,091
2002	90,748	115,513	35,522	70	66,065
Other - cooperative, estate or trust, institutional, etc. ..... farms, 2007	1,479	346	430	15	206
2002	595	310	227	17	180
acres, 2007	1,001,878	782,221	96,375	1,195	118,935
2002	633,918	1,022,868	48,404	3,012	96,508

Item	South Dakota	Tennessee	Texas	Utah	Vermont
TYPE OF ORGANIZATION - Con.					
Corporation:					
Family-held ..... farms, 2007	1,299	693	4,956	917	360
2002	983	392	3,842	562	261
acres, 2007	3,804,217	220,889	11,064,252	1,348,312	127,831
2002	3,230,464	190,354	9,625,105	1,278,929	101,264
Other than family held ..... farms, 2007	122	172	750	97	40
2002	83	60	456	68	20
acres, 2007	180,565	33,622	1,737,684	109,737	10,301
2002	126,140	13,120	1,189,425	417,915	8,416
Other - cooperative, estate or trust, institutional, etc. ..... farms, 2007	457	172	2,948	427	128
2002	318	281	1,499	229	91
acres, 2007	3,084,851	61,414	2,085,526	4,396,538	38,538
2002	2,777,152	77,971	2,281,043	4,616,116	23,842

Item	Virginia	Washington	West Virginia	Wisconsin	Wyoming
TYPE OF ORGANIZATION - Con.					
Corporation:					
Family-held ..... farms, 2007	2,027	2,969	182	3,036	932
2002	1,531	2,560	199	2,519	680
acres, 2007	787,626	3,177,316	(D)	1,717,850	8,288,379
2002	712,979	2,791,935	87,555	1,546,468	7,581,267
Other than family held ..... farms, 2007	242	297	27	297	87
2002	192	188	21	207	66
acres, 2007	72,523	292,992	5,080	107,833	518,051
2002	48,739	244,630	5,869	107,285	764,686
Other - cooperative, estate or trust, institutional, etc. ..... farms, 2007	316	539	65	606	242
2002	275	386	91	339	182
acres, 2007	98,121	2,536,123	(D)	140,196	2,425,771
2002	95,619	2,535,181	26,713	90,680	3,205,798

Table 47. **Women Principal Operators - Selected Farm Characteristics: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Land in farms		Harvested cropland		Market value of agricultural products sold ($1,000)	Farms by economic class (see text) and primary occupation					
						Farming			Other than farming		
	Farms	Acres	Farms	Acres		Less than $2,500	$2,500 to $9,999	$10,000 or more	Less than $2,500	$2,500 to $9,999	$10,000 or more
UNITED STATES TOTAL											
United States	306,209	64,264,566	126,499	9,521,303	11,158,210	52,752	27,486	41,561	99,467	50,146	34,797
STATES											
Alabama	6,444	818,315	2,075	90,570	405,220	1,040	556	948	2,197	1,100	603
Alaska	168	(D)	96	1,848	(D)	34	19	47	24	25	19
Arizona	6,020	3,352,038	1,755	23,643	78,235	2,869	772	319	1,539	369	152
Arkansas	6,331	930,658	2,966	279,428	522,738	755	570	1,291	1,943	1,026	746
California	14,965	2,058,833	6,639	282,548	1,246,761	2,926	1,277	2,803	3,849	1,733	2,377
Colorado	6,942	3,158,274	2,008	291,631	405,623	1,117	520	806	2,384	1,176	939
Connecticut	1,161	57,929	614	13,497	36,658	276	102	174	378	150	81
Delaware	409	(D)	168	13,341	100,917	61	26	128	104	42	48
Florida	10,429	769,801	3,271	110,893	615,218	2,413	856	1,499	3,238	1,131	1,292
Georgia	7,532	868,281	2,494	95,687	452,526	1,446	553	816	2,976	1,057	684
Hawaii	1,806	64,135	1,500	5,522	(D)	311	285	272	466	279	193
Idaho	3,151	666,357	1,222	98,269	109,928	490	268	466	1,042	523	362
Illinois	7,664	824,094	3,401	471,427	285,745	978	526	1,101	2,571	1,399	1,089
Indiana	6,377	520,437	3,037	269,027	184,701	874	425	707	2,393	1,158	820
Iowa	8,452	1,090,979	3,047	468,570	341,393	550	544	1,421	1,950	2,175	1,812
Kansas	7,943	2,398,113	3,193	577,894	233,536	599	531	1,131	2,130	2,143	1,409
Kentucky	9,110	954,488	4,819	197,695	213,932	1,259	902	1,054	3,199	1,729	967
Louisiana	3,858	460,500	1,324	91,410	143,318	429	580	508	863	1,035	443
Maine	2,043	151,831	1,066	33,484	34,878	438	188	269	716	291	141
Maryland	2,216	134,998	890	42,022	122,484	491	215	376	652	275	207
Massachusetts	2,226	84,923	973	15,486	40,180	638	202	324	683	219	160
Michigan	8,275	552,075	3,850	193,433	178,277	1,653	846	936	3,100	1,141	599
Minnesota	7,361	1,075,238	3,028	384,704	308,481	841	545	1,107	2,480	1,562	826
Mississippi	6,130	1,092,940	1,628	126,688	335,048	779	450	619	2,421	1,247	614
Missouri	12,754	1,953,637	6,205	522,051	323,877	1,527	1,186	1,877	3,745	2,575	1,844
Montana	4,586	3,867,449	1,638	416,004	124,893	527	300	843	1,447	687	782
Nebraska	4,025	2,231,833	1,808	420,975	259,388	363	240	936	768	837	881
Nevada	601	165,205	186	22,984	17,801	125	69	113	174	61	59
New Hampshire	1,237	70,609	552	8,891	15,891	372	125	176	343	138	83
New Jersey	2,261	66,586	1,106	20,412	50,127	659	210	246	746	228	172
New Mexico	4,646	4,098,171	1,486	66,087	112,020	1,254	498	470	1,518	564	342
New York	6,688	592,787	3,537	195,433	205,671	1,440	623	1,141	2,169	769	546
North Carolina	7,016	514,123	2,804	122,422	603,564	1,445	655	922	2,552	870	572
North Dakota	3,656	1,794,582	819	338,348	84,183	138	231	522	832	1,274	659
Ohio	9,127	721,851	4,763	316,071	187,623	1,562	838	1,118	2,881	1,602	1,126
Oklahoma	10,849	2,609,564	4,595	413,160	260,946	1,482	1,059	1,638	3,241	2,144	1,285
Oregon	8,255	1,427,753	3,646	183,897	207,236	1,683	963	1,125	2,761	1,031	692
Pennsylvania	8,550	585,218	4,228	156,151	212,493	1,631	667	1,116	3,408	1,066	662
Rhode Island	297	10,245	155	2,367	9,100	97	39	62	56	17	26
South Carolina	4,085	463,621	1,262	57,476	125,228	770	303	310	1,863	565	274
South Dakota	2,394	1,897,957	985	309,032	132,860	191	151	509	668	454	421
Tennessee	9,960	791,498	4,605	184,863	154,756	1,818	1,029	802	3,973	1,659	679
Texas	35,011	12,275,184	11,997	825,081	753,464	5,761	3,337	4,118	11,503	5,979	4,313
Utah	1,797	347,301	766	33,011	43,780	384	129	196	657	259	172
Vermont	1,466	144,874	747	29,542	35,075	309	176	243	460	159	119
Virginia	7,846	748,779	3,658	140,483	209,105	1,805	723	956	2,694	1,000	668
Washington	8,090	881,612	2,694	124,853	184,307	1,829	838	1,005	2,712	975	731
West Virginia	3,219	378,591	2,052	57,804	46,563	782	362	218	1,246	431	180
Wisconsin	9,176	860,130	4,585	281,102	287,523	1,319	855	1,419	3,256	1,588	739
Wyoming	1,604	2,409,371	556	94,086	67,102	212	122	358	496	229	187

Table 48. **Women Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with a woman operator [1]			Farms with a woman principal operator	
	Farms	Women operators	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	942,035	985,192	298,009,940	306,209	64,264,566
STATES					
Alabama	19,511	20,313	2,756,711	6,444	818,315
Alaska	390	426	395,210	168	(D)
Arizona	10,142	11,263	4,461,487	6,020	3,352,038
Arkansas	22,825	23,568	4,863,750	6,331	930,658
California	39,604	41,879	8,760,429	14,965	2,058,833
Colorado	20,343	21,526	13,028,400	6,942	3,158,274
Connecticut	2,597	2,839	180,845	1,161	57,929
Delaware	1,077	1,132	124,264	409	(D)
Florida	24,366	25,706	2,458,886	10,429	769,801
Georgia	18,970	19,831	2,431,125	7,532	868,281
Hawaii	3,860	4,094	203,058	1,806	64,135
Idaho	12,204	12,649	3,710,947	3,151	666,357
Illinois	24,007	24,901	6,031,705	7,664	824,094
Indiana	22,819	23,732	3,914,121	6,377	520,437
Iowa	32,026	32,924	9,086,100	8,452	1,090,979
Kansas	25,852	26,784	13,953,628	7,943	2,398,113
Kentucky	31,451	32,652	3,922,178	9,110	954,488
Louisiana	11,523	12,104	2,040,106	3,858	460,500
Maine	4,739	5,058	542,185	2,043	151,831
Maryland	5,838	6,256	611,264	2,216	134,998
Massachusetts	4,294	4,702	237,114	2,226	84,923
Michigan	24,712	25,936	3,022,280	8,275	552,075
Minnesota	29,231	30,218	7,700,872	7,361	1,075,238
Mississippi	16,392	17,169	3,318,672	6,130	1,092,940
Missouri	46,977	48,601	9,908,408	12,754	1,953,637
Montana	14,639	15,331	24,608,072	4,586	3,867,449
Nebraska	17,637	18,144	16,103,610	4,025	2,231,833
Nevada	1,658	1,747	1,504,812	601	165,205
New Hampshire	2,671	2,880	235,034	1,237	70,609
New Jersey	5,248	5,603	231,769	2,261	66,586
New Mexico	10,005	10,712	15,685,300	4,646	4,098,171
New York	17,787	18,872	2,672,000	6,688	592,787
North Carolina	19,167	20,146	1,901,733	7,016	514,123
North Dakota	10,747	11,071	12,207,074	3,656	1,794,582
Ohio	29,060	30,362	3,750,114	9,127	721,851
Oklahoma	40,576	42,062	12,040,242	10,849	2,609,564
Oregon	23,660	24,997	7,184,330	8,255	1,427,753
Pennsylvania	25,096	26,405	2,495,559	8,550	585,218
Rhode Island	614	659	25,140	297	10,245
South Carolina	9,834	10,436	1,270,801	4,085	463,621
South Dakota	10,823	11,144	14,035,075	2,394	1,897,957
Tennessee	31,604	33,041	3,168,017	9,960	791,498
Texas	111,283	116,165	43,394,737	35,011	12,275,184
Utah	6,523	6,860	1,525,038	1,797	347,301
Vermont	3,873	4,108	585,444	1,466	144,874
Virginia	20,293	21,427	2,436,411	7,846	748,779
Washington	21,919	23,149	4,688,189	8,090	881,612
West Virginia	9,603	10,013	1,243,033	3,219	378,591
Wisconsin	35,954	37,259	5,814,989	9,176	860,130
Wyoming	6,011	6,336	11,539,672	1,604	2,409,371

[1] Data were collected for a maximum of three operators per farm.

Table 49. **Women Principal Operators - Tenure: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Total farms	Full owners			Part owners			Tenants		
		Farms	Land in farms (acres)	Harvested cropland (acres)	Farms	Land in farms (acres)	Harvested cropland (acres)	Farms	Land in farms (acres)	Harvested cropland (acres)
UNITED STATES TOTAL										
United States	306,209	260,452	39,349,544	4,373,193	32,077	20,659,890	4,237,606	13,680	4,255,132	910,504
STATES										
Alabama	6,444	5,436	652,768	44,569	755	138,998	35,418	253	26,549	10,583
Alaska	168	142	(D)	1,307	15	2,051	(D)	11	(D)	(D)
Arizona	6,020	5,806	3,205,059	9,321	116	113,354	3,326	98	33,625	10,996
Arkansas	6,331	5,226	581,875	102,702	829	243,645	88,693	276	105,138	88,033
California	14,965	12,786	1,109,485	146,018	1,049	712,722	102,407	1,130	236,626	34,123
Colorado	6,942	5,813	2,063,908	159,045	785	971,023	120,900	344	123,343	11,686
Connecticut	1,161	949	41,808	6,885	131	7,822	3,774	81	8,299	2,838
Delaware	409	345	(D)	3,798	30	12,074	8,817	34	1,100	726
Florida	10,429	9,257	614,512	79,820	861	119,989	24,446	311	35,300	6,627
Georgia	7,532	6,684	739,170	56,587	630	111,788	32,836	218	17,323	6,264
Hawaii	1,806	1,374	28,530	3,557	142	22,604	(D)	290	13,001	(D)
Idaho	3,151	2,690	468,768	58,458	335	170,324	30,378	126	27,265	9,433
Illinois	7,664	6,605	484,323	184,261	673	278,274	233,078	386	61,497	54,088
Indiana	6,377	5,644	341,458	127,602	503	158,233	124,803	230	20,746	16,622
Iowa	8,452	7,391	742,972	186,321	592	278,614	223,864	469	69,393	58,385
Kansas	7,943	6,688	1,410,276	236,019	917	800,773	275,959	338	187,064	65,916
Kentucky	9,110	8,084	796,526	142,141	723	135,175	48,361	303	22,787	7,193
Louisiana	3,858	3,205	325,915	38,974	472	113,460	43,946	181	21,125	8,490
Maine	2,043	1,743	109,729	11,208	219	35,767	17,416	81	6,335	4,860
Maryland	2,216	1,915	97,931	20,659	196	29,508	17,773	105	7,559	3,590
Massachusetts	2,226	1,842	67,284	8,926	200	14,773	5,322	184	2,866	1,238
Michigan	8,275	7,104	387,888	81,487	923	147,261	101,043	248	16,926	10,903
Minnesota	7,361	6,327	744,300	146,682	767	276,424	193,286	267	54,514	44,736
Mississippi	6,130	5,333	892,944	51,013	553	131,693	32,346	244	68,303	43,329
Missouri	12,754	11,042	1,443,116	293,039	1,284	460,405	205,395	428	50,116	23,617
Montana	4,586	3,641	1,807,148	152,581	678	1,813,165	221,036	267	247,136	42,387
Nebraska	4,025	3,219	965,322	154,103	512	1,133,022	235,993	294	133,489	30,879
Nevada	601	528	90,569	18,944	46	65,115	3,134	27	9,521	906
New Hampshire	1,237	1,043	58,254	5,313	123	9,474	2,754	71	2,881	824
New Jersey	2,261	2,005	48,743	11,216	150	14,576	8,053	106	3,267	1,143
New Mexico	4,646	3,992	1,753,628	42,279	483	2,212,273	23,221	171	132,270	587
New York	6,688	5,453	386,642	85,722	917	189,563	103,926	318	16,582	5,785
North Carolina	7,016	5,785	345,514	35,845	901	131,470	66,967	330	37,139	19,610
North Dakota	3,656	3,191	1,004,372	90,533	328	598,068	216,899	137	192,142	30,916
Ohio	9,127	7,897	478,394	143,650	945	217,073	155,104	285	26,384	17,317
Oklahoma	10,849	8,557	1,480,408	214,738	1,730	1,021,882	183,102	562	107,274	15,320
Oregon	8,255	7,052	904,700	94,063	729	443,822	72,652	474	79,231	17,182
Pennsylvania	8,550	7,420	449,786	83,659	754	113,414	60,397	376	22,018	12,095
Rhode Island	297	232	7,285	920	32	1,687	517	33	1,273	930
South Carolina	4,085	3,580	385,777	24,885	353	65,090	27,413	152	12,754	5,178
South Dakota	2,394	1,808	722,576	87,008	410	1,027,923	192,141	176	147,458	29,883
Tennessee	9,960	8,706	(D)	114,231	1,003	150,755	57,780	251	(D)	12,852
Texas	35,011	29,213	7,322,137	445,310	4,251	3,578,904	286,282	1,547	1,374,143	93,489
Utah	1,797	1,546	249,361	19,279	186	87,593	12,655	65	10,347	1,077
Vermont	1,466	1,113	99,969	13,113	267	41,455	16,056	86	3,450	373
Virginia	7,846	6,377	536,988	78,727	1,075	186,124	55,042	394	25,667	6,714
Washington	8,090	6,943	550,075	57,459	714	267,098	54,610	433	64,439	12,784
West Virginia	3,219	2,746	279,011	39,790	403	93,862	16,955	70	5,718	1,059
Wisconsin	9,176	7,807	605,911	116,959	1,039	225,130	142,305	330	29,089	21,838
Wyoming	1,604	1,167	823,407	42,467	348	1,484,598	48,019	89	101,366	3,600

Table 50. **Spanish, Hispanic, or Latino Origin Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with a Spanish, Hispanic, or Latino operator [1]			Farms with a Spanish, Hispanic, or Latino principal operator	
	Farms	Spanish, Hispanic, or Latino operators	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	66,671	82,462	24,600,997	55,570	17,054,007
STATES					
Alabama	368	407	57,595	260	42,988
Alaska	13	13	3,412	7	1,147
Arizona	1,006	1,293	345,803	806	243,326
Arkansas	567	651	120,255	395	87,057
California	11,294	14,199	2,325,047	9,118	1,444,764
Colorado	2,182	2,610	1,004,784	1,846	845,517
Connecticut	84	100	4,080	61	3,031
Delaware	34	35	1,643	28	1,483
Florida	3,662	4,869	438,041	3,161	352,184
Georgia	484	547	102,925	365	64,531
Hawaii	539	622	44,225	442	39,500
Idaho	788	929	263,444	610	118,874
Illinois	466	553	83,617	325	57,506
Indiana	320	362	51,684	217	35,333
Iowa	491	551	143,221	346	103,666
Kansas	680	780	435,086	555	335,823
Kentucky	525	594	78,357	408	59,705
Louisiana	492	570	82,162	394	63,035
Maine	68	75	6,483	43	3,610
Maryland	132	144	15,131	93	9,232
Massachusetts	155	198	7,699	120	5,514
Michigan	794	937	102,546	615	54,795
Minnesota	440	507	141,104	296	101,372
Mississippi	537	599	141,575	451	113,300
Missouri	691	736	140,170	444	76,492
Montana	297	345	502,722	201	312,576
Nebraska	254	288	234,044	166	157,066
Nevada	222	260	120,859	174	74,082
New Hampshire	29	35	2,923	21	2,361
New Jersey	182	207	5,177	109	3,048
New Mexico	6,861	8,904	6,232,408	6,475	5,237,978
New York	328	387	41,097	220	27,990
North Carolina	648	738	114,635	478	72,351
North Dakota	136	142	228,772	92	149,958
Ohio	420	468	69,642	302	44,549
Oklahoma	1,104	1,218	318,686	784	211,437
Oregon	1,182	1,330	476,530	789	116,117
Pennsylvania	454	526	35,962	332	24,504
Rhode Island	11	11	1,402	11	1,402
South Carolina	243	277	33,315	191	22,802
South Dakota	171	196	224,207	116	87,645
Tennessee	642	733	55,316	445	39,558
Texas	22,797	28,921	7,261,904	20,351	5,189,774
Utah	409	473	257,291	336	117,971
Vermont	84	94	13,769	55	9,334
Virginia	495	551	81,867	338	60,022
Washington	2,115	2,604	390,317	1,643	183,176
West Virginia	174	205	21,465	138	16,576
Wisconsin	379	412	56,423	245	29,732
Wyoming	222	256	1,680,175	152	598,213

[1] Data were collected for a maximum of three operators per farm.

Table 51. **American Indian or Alaska Native Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with an American Indian or Alaska Native operator [1]			Farms with an American Indian or Alaska Native principal operator	
	Farms	American Indian or Alaska Native operators	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	42,751	55,889	52,636,902	34,706	49,680,678
STATES					
Alabama	647	790	88,955	465	64,198
Alaska	35	41	314,214	25	314,141
Arizona	8,475	13,794	20,773,470	8,436	20,764,749
Arkansas	708	860	104,295	448	62,896
California	1,597	1,838	444,807	1,178	322,996
Colorado	520	619	989,161	382	916,216
Connecticut	32	53	1,124	29	1,025
Delaware	17	23	1,724	12	1,315
Florida	543	670	72,035	349	61,613
Georgia	451	572	50,432	334	39,875
Hawaii	57	63	2,982	41	840
Idaho	303	351	553,531	223	538,024
Illinois	253	311	65,078	168	45,520
Indiana	212	253	44,802	152	20,639
Iowa	135	146	43,122	44	9,692
Kansas	477	508	219,084	297	143,090
Kentucky	425	492	62,863	309	49,181
Louisiana	298	350	28,520	228	22,251
Maine	86	95	14,305	59	9,711
Maryland	71	90	3,757	41	2,045
Massachusetts	24	26	(D)	11	342
Michigan	511	613	64,351	341	42,157
Minnesota	349	413	116,285	203	78,802
Mississippi	249	320	57,301	175	25,338
Missouri	726	826	139,528	397	63,713
Montana	1,683	2,013	4,436,007	1,482	4,046,546
Nebraska	58	63	54,486	33	30,244
Nevada	409	488	1,083,341	390	1,075,375
New Hampshire	30	41	2,814	11	2,264
New Jersey	29	32	620	20	450
New Mexico	4,660	6,611	7,351,220	4,493	7,113,408
New York	222	260	40,014	139	26,792
North Carolina	729	887	85,352	603	74,630
North Dakota	430	503	565,273	364	500,397
Ohio	137	153	13,632	80	6,550
Oklahoma	9,269	11,059	2,086,445	7,054	1,566,596
Oregon	703	847	601,187	497	577,470
Pennsylvania	232	272	34,292	155	19,683
Rhode Island	2	3	(D)	-	-
South Carolina	181	217	19,095	126	12,389
South Dakota	890	1,150	3,750,015	748	3,357,973
Tennessee	518	595	58,806	296	32,866
Texas	3,129	3,604	988,477	2,155	547,854
Utah	687	1,166	3,844,484	660	3,834,541
Vermont	34	36	5,479	14	536
Virginia	286	316	34,093	186	21,315
Washington	768	912	2,518,026	480	2,465,950
West Virginia	48	62	7,155	38	6,547
Wisconsin	147	158	36,011	100	31,990
Wyoming	269	324	764,059	235	727,943

[1] Data were collected for a maximum of three operators per farm.

Table 52. **Asian Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with an Asian operator [1]			Farms with an Asian principal operator	
	Farms	Asian operators	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	13,707	18,289	1,997,479	11,214	1,389,766
STATES					
Alabama	98	118	7,828	54	(D)
Alaska	5	6	469	3	(D)
Arizona	71	99	18,921	64	18,477
Arkansas	344	546	25,152	315	(D)
California	4,177	5,780	478,705	3,684	423,116
Colorado	160	199	92,447	117	72,664
Connecticut	33	36	1,766	30	1,322
Delaware	28	36	1,237	25	1,193
Florida	708	964	50,177	612	25,404
Georgia	268	385	21,097	235	19,966
Hawaii	2,820	3,651	216,552	2,544	163,919
Idaho	106	137	81,085	76	69,729
Illinois	124	164	31,281	90	29,190
Indiana	81	95	13,384	48	8,382
Iowa	139	171	33,882	97	25,235
Kansas	48	55	17,177	35	14,509
Kentucky	104	121	14,607	64	9,208
Louisiana	59	70	4,699	38	3,828
Maine	23	23	1,716	12	(D)
Maryland	98	139	6,228	84	5,859
Massachusetts	64	71	1,429	56	1,158
Michigan	112	129	9,972	53	4,961
Minnesota	192	255	16,176	148	8,624
Mississippi	77	101	8,921	51	6,857
Missouri	295	413	40,544	228	27,195
Montana	68	80	148,476	37	27,024
Nebraska	21	23	7,659	13	2,845
Nevada	13	14	3,669	7	(D)
New Hampshire	11	16	(D)	8	(D)
New Jersey	104	147	6,561	89	5,816
New Mexico	34	43	21,188	26	20,994
New York	112	146	13,239	83	10,063
North Carolina	157	232	10,313	122	6,766
North Dakota	16	16	14,771	4	(D)
Ohio	114	134	15,742	78	11,930
Oklahoma	342	454	47,349	246	36,079
Oregon	364	454	49,167	267	31,202
Pennsylvania	86	100	7,029	55	4,770
Rhode Island	18	26	(D)	16	138
South Carolina	67	85	5,450	46	(D)
South Dakota	29	30	25,891	19	6,481
Tennessee	123	151	7,217	74	4,410
Texas	800	1,004	216,179	561	138,780
Utah	69	84	16,631	49	14,526
Vermont	16	17	919	1	(D)
Virginia	148	185	12,655	86	6,937
Washington	479	669	122,777	360	53,284
West Virginia	33	39	4,280	19	2,747
Wisconsin	224	350	11,718	168	7,953
Wyoming	25	26	29,762	17	19,882

[1] Data were collected for a maximum of three operators per farm.

Table 53. **Black or African American Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with a Black or African American operator [1]			Farms with a Black or African American principal operator	
	Farms	Black or African American operators	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	31,912	39,697	3,614,608	30,599	3,182,313
STATES					
Alabama	2,747	3,653	288,980	2,709	266,637
Arizona	48	51	1,775	40	1,616
Arkansas	1,174	1,433	177,566	1,152	155,491
California	383	434	79,150	320	26,304
Colorado	61	69	10,110	42	8,327
Connecticut	9	12	(D)	6	(D)
Delaware	23	27	(D)	20	792
Florida	1,377	1,772	105,788	1,269	79,826
Georgia	2,160	2,647	243,869	2,072	221,441
Hawaii	10	10	202	10	202
Idaho	12	12	4,986	8	(D)
Illinois	123	147	12,212	98	9,867
Indiana	61	66	6,458	49	(D)
Iowa	37	42	6,770	31	5,155
Kansas	167	205	42,180	147	34,507
Kentucky	530	646	46,566	505	43,271
Louisiana	1,997	2,487	207,706	1,914	160,574
Maine	25	27	1,067	17	451
Maryland	203	223	15,156	193	(D)
Massachusetts	39	52	647	32	610
Michigan	258	324	17,150	247	14,732
Minnesota	38	40	14,464	22	(D)
Mississippi	5,400	6,689	605,174	5,306	577,409
Missouri	200	226	24,867	179	19,865
Montana	14	14	6,130	10	(D)
Nebraska	11	11	1,786	9	(D)
Nevada	4	4	(D)	3	30
New Hampshire	6	7	(D)	5	(D)
New Jersey	73	92	5,493	62	(D)
New Mexico	63	66	15,288	50	(D)
New York	102	110	13,747	66	7,721
North Carolina	1,563	1,801	147,470	1,491	133,124
North Dakota	4	4	(D)	2	(D)
Ohio	194	238	15,142	181	14,673
Oklahoma	1,153	1,462	195,077	1,111	182,591
Oregon	48	51	3,119	36	2,738
Pennsylvania	72	101	6,502	63	4,682
Rhode Island	1	1	(D)	-	-
South Carolina	2,159	2,605	196,330	2,108	175,689
South Dakota	11	11	7,935	10	(D)
Tennessee	1,098	1,322	110,819	1,052	98,064
Texas	6,332	8,202	750,503	6,124	682,586
Utah	4	4	1,140	4	1,140
Vermont	14	14	1,751	10	(D)
Virginia	1,722	2,081	193,034	1,680	182,713
Washington	74	79	7,168	49	2,333
West Virginia	40	40	2,910	35	(D)
Wisconsin	62	76	5,559	44	2,745
Wyoming	6	7	431	6	431

[1] Data were collected for a maximum of three operators per farm.

Table 54. **Native Hawaiian or Other Pacific Islander Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with a Native Hawaiian or Other Pacific Islander operator [1]			Farms with a Native Hawaiian or Other Pacific Islander principal operator	
	Farms	Native Hawaiian or Other Pacific Islander operators	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	2,098	2,359	605,737	1,356	405,006
STATES					
Alabama	17	17	3,169	1	(D)
Alaska	2	2	(D)	-	-
Arizona	17	19	1,251	8	1,114
Arkansas	6	6	(D)	2	(D)
California	283	311	70,546	183	38,280
Colorado	49	58	43,701	38	41,454
Connecticut	7	7	(D)	7	(D)
Florida	84	101	3,636	69	3,409
Georgia	10	12	819	5	596
Hawaii	778	928	197,717	625	151,930
Idaho	26	26	(D)	14	(D)
Illinois	30	30	12,085	20	763
Indiana	10	10	383	5	(D)
Iowa	10	12	3,146	5	1,848
Kansas	8	9	6,331	5	3,911
Kentucky	16	17	1,973	11	1,719
Louisiana	18	20	1,761	14	521
Maine	5	6	400	3	(D)
Maryland	10	10	(D)	6	(D)
Massachusetts	3	3	50	3	50
Michigan	37	37	1,859	20	975
Minnesota	21	21	6,559	4	(D)
Mississippi	20	20	15,454	14	7,026
Missouri	44	45	5,229	28	3,014
Montana	13	15	3,992	6	(D)
Nebraska	4	4	72	2	(D)
Nevada	5	5	(D)	4	(D)
New Jersey	4	5	107	1	(D)
New Mexico	26	26	23,099	13	(D)
New York	8	8	1,030	-	-
North Carolina	12	12	1,733	9	759
North Dakota	2	2	(D)	2	(D)
Ohio	15	16	276	4	48
Oklahoma	51	54	13,572	13	5,700
Oregon	69	73	10,269	31	5,219
Pennsylvania	17	17	972	5	436
South Carolina	34	34	3,132	7	(D)
South Dakota	8	8	(D)	1	(D)
Tennessee	20	21	1,302	4	59
Texas	140	150	112,869	59	79,556
Utah	18	24	2,511	11	376
Vermont	1	1	(D)	1	(D)
Virginia	29	29	3,379	19	1,225
Washington	78	95	5,224	54	2,811
West Virginia	5	5	419	4	(D)
Wisconsin	18	18	2,429	8	269
Wyoming	10	10	7,108	8	6,900

[1] Data were collected for a maximum of three operators per farm.

Table 55. **White Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with a White operator [1]			Farms with a White principal operator	
	Farms	White operators	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	2,128,341	3,140,754	869,916,383	2,114,325	863,819,828
STATES					
Alabama	45,412	64,715	8,690,034	45,124	8,655,095
Alaska	660	1,041	567,359	656	567,038
Arizona	7,152	11,355	5,327,179	7,042	5,303,905
Arkansas	47,343	70,503	13,599,296	46,945	13,554,321
California	76,211	117,665	24,478,029	75,021	24,309,092
Colorado	36,519	58,004	31,356,398	36,222	30,449,533
Connecticut	4,862	7,579	402,976	4,830	402,040
Delaware	2,488	3,767	506,472	2,484	506,366
Florida	45,203	67,569	9,058,660	44,881	9,032,526
Georgia	45,369	64,084	9,884,695	45,014	9,846,049
Hawaii	3,981	5,445	623,373	3,627	593,034
Idaho	25,065	38,804	10,923,421	24,918	10,861,049
Illinois	76,410	108,345	26,671,675	76,295	26,654,519
Indiana	60,674	89,356	14,723,199	60,565	14,715,326
Iowa	92,691	133,506	30,703,559	92,636	30,698,802
Kansas	65,041	94,707	46,154,779	64,813	46,044,505
Kentucky	84,112	120,608	13,857,080	83,803	13,818,427
Louisiana	28,062	39,999	7,931,789	27,820	7,911,050
Maine	8,064	12,616	1,335,554	8,014	1,332,781
Maryland	12,532	19,190	2,032,116	12,466	2,024,497
Massachusetts	7,584	11,787	515,394	7,569	515,089
Michigan	55,291	82,180	9,938,307	55,017	9,908,085
Minnesota	80,571	116,149	26,800,831	80,460	26,773,187
Mississippi	36,769	52,218	10,882,133	36,352	10,822,766
Missouri	106,746	158,187	28,860,944	106,313	28,794,944
Montana	28,115	43,432	57,493,666	27,841	57,157,617
Nebraska	47,635	70,502	45,440,306	47,611	45,431,551
Nevada	2,754	4,420	5,380,200	2,709	4,785,381
New Hampshire	4,144	6,717	469,363	4,133	468,031
New Jersey	10,169	15,599	725,945	10,116	723,754
New Mexico	16,368	24,214	36,792,785	16,234	35,887,472
New York	36,057	56,127	7,132,522	35,987	7,121,609
North Carolina	50,779	72,262	8,272,825	50,503	8,240,516
North Dakota	31,606	43,990	39,182,481	31,540	39,128,669
Ohio	75,547	111,199	13,921,352	75,403	13,911,990
Oklahoma	79,048	113,236	33,251,539	76,058	32,644,862
Oregon	37,788	61,071	15,792,550	37,390	15,739,966
Pennsylvania	62,824	92,077	7,771,055	62,722	7,756,174
Rhode Island	1,198	1,834	67,640	1,198	67,640
South Carolina	23,560	33,261	4,691,625	23,393	4,676,240
South Dakota	30,453	44,507	40,624,207	30,299	40,034,883
Tennessee	77,753	112,248	10,813,132	77,384	10,782,990
Texas	238,436	350,456	128,702,181	236,568	128,296,711
Utah	16,024	24,369	7,243,497	15,949	7,235,992
Vermont	6,946	11,050	1,230,099	6,931	1,227,842
Virginia	45,425	66,911	7,878,628	45,150	7,855,065
Washington	38,366	59,947	12,444,778	38,036	12,386,769
West Virginia	23,529	34,089	3,684,378	23,463	3,678,006
Wisconsin	78,157	120,197	15,156,499	78,058	15,136,620
Wyoming	10,848	17,660	29,927,878	10,762	29,349,452

[1] Data were collected for a maximum of three operators per farm.

Table 56. **Operators Reporting More Than One Race: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms with an operator reporting more than one race [1]			Farms with a principal operator reporting more than one race	
	Farms	Operators reporting more than one race	Land in farms (acres)	Farms	Land in farms (acres)
UNITED STATES TOTAL					
United States	21,637	24,546	6,206,131	12,592	3,618,249
STATES					
Alabama	696	812	91,262	400	43,127
Alaska	6	8	536	2	(D)
Arizona	72	87	40,003	47	28,038
Arkansas	733	879	115,132	484	77,816
California	989	1,099	312,672	647	244,907
Colorado	469	530	305,552	253	116,717
Connecticut	39	39	2,073	14	637
Delaware	6	6	611	5	587
Florida	584	639	50,952	283	28,792
Georgia	465	532	73,067	186	22,612
Hawaii	901	1,093	278,903	674	211,404
Idaho	175	200	40,396	110	17,870
Illinois	254	276	43,120	189	35,241
Indiana	179	208	34,316	119	22,668
Iowa	107	119	25,903	43	6,818
Kansas	294	334	128,352	234	105,305
Kentucky	652	763	85,855	568	71,315
Louisiana	172	201	22,098	92	11,751
Maine	70	76	12,576	31	3,814
Maryland	117	121	9,656	44	3,426
Massachusetts	41	44	1,741	20	630
Michigan	577	655	98,652	336	60,897
Minnesota	637	674	168,027	155	41,484
Mississippi	355	384	95,713	61	16,845
Missouri	1,322	1,463	230,556	680	117,842
Montana	340	371	398,355	148	150,346
Nebraska	76	87	22,401	44	15,144
Nevada	31	38	26,125	18	(D)
New Hampshire	51	58	6,748	9	1,017
New Jersey	57	61	2,146	39	1,816
New Mexico	223	241	381,625	114	188,443
New York	201	214	26,864	77	8,558
North Carolina	434	471	50,620	185	18,876
North Dakota	101	107	98,639	58	43,055
Ohio	154	177	13,951	115	11,372
Oklahoma	2,834	3,337	851,487	2,083	651,441
Oregon	545	614	69,068	332	43,052
Pennsylvania	198	223	27,011	163	23,499
Rhode Island	8	8	533	5	41
South Carolina	322	361	39,426	187	20,053
South Dakota	138	158	379,935	92	252,116
Tennessee	994	1,127	106,338	470	51,409
Texas	3,525	3,965	1,066,008	1,970	653,266
Utah	74	79	33,530	27	8,125
Vermont	54	58	9,268	27	2,894
Virginia	512	591	75,389	262	36,670
Washington	580	665	117,229	305	61,642
West Virginia	73	80	10,986	59	7,547
Wisconsin	127	135	19,351	85	11,227
Wyoming	73	78	105,374	41	64,918

[1] Data were collected for a maximum of three operators per farm.

Appendix A.
Census of Agriculture Methodology

THE CENSUS POPULATION

The Census Mail List

The National Agricultural Statistics Service (NASS) maintains a list of farmers and ranchers from which the Census Mail List (CML) is compiled. The goal is to build as complete a list as possible of agricultural places that meet the NASS farm definition, that is, an operation that produces, or would normally produce and sell, $1,000 or more of agricultural products per year. The CML compilation begins with the list used to define sampling populations for NASS surveys conducted for the agricultural estimates program. Each record on the list includes name, address, and telephone number plus additional information that are used to efficiently administer the census of agriculture and agricultural estimates programs.

NASS builds and improves the list on an ongoing basis by obtaining outside source lists. Sources include State and federal government lists, producer association lists, seed grower lists, pesticide applicator lists, veterinarian lists, marketing association lists, and a variety of other agriculture-related lists. NASS also obtains special commodity lists to address specific list deficiencies. These outside source lists are matched to the NASS list using record linkage programs. Most names on newly acquired lists are already on the NASS list. Records not on the NASS list are treated as potential farms until NASS can confirm their existence as a qualifying farm. Staff in NASS field offices routinely contact these potential farms to determine if they meet the NASS farm definition. For the 2007 Census of Agriculture, NASS made a concerted effort to work with Community-Based Organizations not only to improve list coverage for minorities but also to increase census awareness and participation.

List building activities for developing the 2007 CML started in 2004. Between 2004 and 2007, NASS conducted a series of Agricultural Identification Surveys (AIS) on approximately 1.7 million records, which included nonrespondents from the 2002 census and newly added records from outside list sources. The AIS report form collected information that was used to determine if an operation met the NASS farm definition. If the definition was met, the operation was added to the NASS list and subsequently to the CML. Addressees that were nonrespondents were also added to the CML and identified with a special status code.

Measures were taken to improve name and address quality. Additional record linkage programs were run to detect and remove duplicate records both within each State and across States. List addresses were processed through the National Change of Address Registry and the Locatable Address Conversion System to ensure they were correct and complete. Records on the list with missing or invalid phone numbers were matched against a nationally available telephone database to obtain as many phone numbers as possible.

The official CML was established on September 1, 2007. The list contained 3,194,373 records. There were 2,198,410 records that were thought to meet the NASS farm definition and 995,963 potential farm records, which included AIS nonrespondents, other records added to the CML by the NASS field offices, and late adds to the CML that were not included in any previous AIS or State screening survey.

Not on the Mail List

To account for farming operations not on the CML, NASS used its area frame. The NASS area frame covers all land in the U.S. and includes all farms. The land in the U.S. is stratified by characteristics of the land. Segments of approximately equal size are

delineated within each strata and designated on aerial photographs. A probability sample of segments is drawn within each strata for the NASS annual area frame survey, known as the June Agricultural Survey (JAS). The JAS sample of segments is allocated to strata to provide accurate measures of acres planted to widely grown crops and inventories of hogs and cattle. Sampled segments in the June Survey are personally enumerated. Each operation identified within a segment boundary is known as a tract.

The 2007 JAS sample was allocated to strata so that it would provide additional measures of small and minority owned farms. The 2007 JAS consisted of 10,912 regular sampled segments, supplemented with 3,692 Agricultural Coverage Evaluation Survey (ACES) segments – segments selected to provide measures of small and minority owned farms. These additional ACES segments targeted farming demographics that typically had lower coverage rates on the list.

The information from each tract (operation) within a segment is matched against operations on the NASS list to determine the amount of undercoverage that exists for a wide range of farming sectors and farmer demographics. The names and addresses collected in the 2007 JAS and 2007 ACES were matched to the CML and checked for duplication. Farms from the June 2007 survey that did not match were determined to be Not on the Mail List (NML) and sent a report form of a different color to be easily identified. Data from the NML operations provided a measure of the undercoverage of the CML operations. Instructions on the census report form guided the respondent to complete the CML form and mail back both CML and NML forms together if duplicate forms were received. Those who returned a CML census form and an NML census form had been erroneously classified as NML and were removed from the NML.

The percentage of farms not represented on the CML varied considerably by State. In general, farms not on the mail list tended to be small in acreage, production, and sales of agricultural products. Farm operations were missed for various reasons, including the possibility that the operation started after the mail list was developed, the operation was so small that it did not appear in any agriculture-related source lists, or the operation was erroneously classified as a nonfarm prior to mailout.

The NML consisted of 12,821 tracts. The CML was used with the NML in multiple frame estimation to represent all farming operations across all States, with the exception of Alaska. It is financially and logistically unfeasible to maintain an area frame in Alaska due to its vast land mass and relatively sparse agriculture.

DATA COLLECTION

Method of Enumeration

Mailout and mailback was the primary data collection method. It was supplemented with Electronic Data Reporting (EDR) on the Internet and non-response follow-ups by telephone and personal enumeration. The enumeration methods used in the 2007 census were similar to those used in the 2002 census.

Report Forms

A master report form was developed that included all data items to be collected in the census. From the master, two types of report forms were developed to be used in the 2007 census - a regionalized report form with 7 versions and a national report form. Each of the 24-page regionalized report forms (07-A0201, 07-A0202, 07-A0203, 07-A0204, 07-A0205, 07-A0206, 07-A0207) were designed to facilitate reporting crops most commonly grown within the report form region. The 12-page national report form (07-A0100) was designed for operations throughout the country with few commodities. The national report form collected the same information as the regional form, but it was formatted to fit on fewer pages. All of the forms allowed respondents to write in specific commodities that were not identified on their form. The national form was mailed to approximately 528,000 addresses on the CML (about 20 percent) and the regional form was mailed to 2.67 million addresses on the CML (about 80 percent).

Report Form Mailings and Respondent Follow-up

The initial mailout took place at the end of December 2007. Approximately 3.2 million packets

were mailed. Each packet contained a cover letter, instruction sheet, a labeled report form, and a return envelope. Mailout packet preparation, initial mailout, and two follow-up mailings to nonrespondents were handled by the Census Bureau's National Processing Center (NPC) in Jeffersonville, IN. The first follow-up was mailed during the last two weeks of February 2008 to approximately 1.3 million nonrespondents. The second follow-up was mailed the beginning of April 2008 to approximately 1.0 million nonrespondents. Additionally, NPC received, checked-in, scanned, and keyed (from image) returned report forms. NASS statisticians on site at NPC provided technical guidance and monitored NPC processing activities.

Select groups of census records were identified to receive special handling procedures. Report forms were labeled at NPC and shipped to the field offices for enumeration. These respondents were excluded from the initial and both follow-up mailings, and were referred to as "must" operations. Each "must" operation was enumerated by telephone or face-to-face. If a record was determined to be no longer in operation, their non-farm status was verified and documented. The field offices were responsible for enumerating or resolving all non-response "must" records in their State. Computer Assisted Telephone Interview (CATI) calling for nonrespondent "must" records was conducted between March 2008 and June 2008. Once enumerated, the report forms were either sent to NPC for check-in and data capture or the data were keyed directly from the form at the field office. The 169,000 "must" records fell into one of five groups.

The first "must" group consisted of 46,000 records "tagged" by the NASS field offices for personal enumeration rather than mailout and mailback enumeration. The second "must" group consisted of 4,000 "specialized" records including such operations as grazing associations, governmental units, research farms, college farms, etc.. The third "must" group was characterized by location. All 3,000 records in Alaska and Rhode Island were identified as "must" records because census statistics for these two States were based on responses to the CML because nonresponse was not permitted. The last two groups consisted of a total of 116,000 records expected to have either a large number of acres in farm land or a large value of sales. Threshold levels were identified for each State.

Advanced Follow-up was conducted between February 2008 and April 2008. It focused on three groups of nonrespondents that included: respondents least likely to respond because they were nonrespondents to the 1997 and 2002 Censuses of Agriculture, even though they may have responded to other NASS surveys; respondents viewed as easy and quick interviews based on expected sales of zero, including respondents who received Conservation Reserve Program (CRP) payments and respondents to the AIS with expected future sales; and new records whose farm status was uncertain due to unsuccessful earlier screening attempts. The field offices conducted CATI and field enumeration for operations in their State. This phase was followed by Low-Response County Follow-up to attempt to reach a minimum response rate of at least 75 percent in all counties. It was conducted by the field offices using CATI between March 2008 and June 2008.

DATA COLLECTION OUTREACH AND PROMOTIONAL EFFORTS

NASS engaged in an unprecedented level of public outreach for the 2007 Census of Agriculture, seeking to increase the level of awareness and response among U.S. agricultural producers and, in particular, minority and small farm operators. This was accomplished through an integrated marketing communications program that focused on four primary areas: partnership building, public relations, paid media, and the Internet. External support was provided by a private agricultural marketing communications agency.

The unifying force behind the 2007 marketing campaign was the theme "Your Voice, Your Future, Your Responsibility." This was accompanied by supporting messages and artwork that created a consistent look and feel for all census communications.

Partnership

At the national level, NASS officials met with leaders from dozens of key agricultural organizations and other USDA agencies, successfully securing

their support in promoting the census among their constituencies through publications, special mailings, speeches, and other communications. In addition, NASS made special efforts to reach out to minority and limited-resource farmers and ranchers by partnering with a number of community-based organizations. The national-level outreach was mirrored by field offices at the State and local levels. Among the features of these collective efforts was the production of State-specific radio public service announcements (PSAs) featuring State secretaries and commissioners of agriculture, as well as a national radio PSA featuring the U.S. Secretary of Agriculture.

Coverage of American Indian and Alaska Native Farm Operators

To maximize coverage of American Indian and Alaska Native farm operators, special procedures were followed in the census. A concerted effort was made to get individual reports from every American Indian and Alaska Native farm operator in the country. If this was not possible within some reservations, a single reservation-level census report was obtained from knowledgeable reservation officials. These reports covered agricultural activity on the entire reservation. NASS reviewed these data and removed duplication with any data reported by American Indian or Alaska Native farm operators who responded on an individual census report form. Additionally NASS obtained, from knowledgeable reservation officials, the count of American Indian and Alaska Native farm operators (on reservations) who were not counted through individual census report forms, but whose agricultural activity was included in the reservation-level report form.

This information is summarized in Table D, **American Indian and Alaska Native Operators: 2007** (Table A in the Alaska publication), providing the number of farm operators (for up to three operators per farm) reported as American Indian or Alaska Native in the race category, either as a single race or in combination with other races, on the individual census report forms, plus the total number of American Indian or Alaska Native operators farming on reservations as reported by reservation officials. The count from the individual report forms is summarized in the "Individually reported" column. It includes operators on or off reservations. The "Other" column provides counts of operators on reservations as reported by a reservation or tribal official. The "Total" column is simply a sum of the "Individually reported" and the "Other" columns. Tables in other parts of the publication count the reservation-level reports as single farms.

Public Relations

In the public relations arena, NASS and the contractor worked with the agriculture media at the national level and equipped NASS's 46 field offices with communications tools that enabled them to deliver the right message to producers in their States. From customizable press releases, to radio public service announcements, to a video news release, to newsletter articles and letters to the editor, the public relations strategy was designed to ensure NASS fields offices could easily and effectively deliver the census message to local media. As a result, in the print media alone, the public relations efforts generated 27 million media impressions.

Paid Media

Because there were certain constituencies that were difficult to reach through partnership or public relations, NASS also employed a paid media strategy that was narrowly targeted to reach previously under-represented populations. NASS purchased limited print and radio advertising in areas where there were high concentrations of minority farmers and where 2002 census response rates were low.

Internet

For the 2007 census, NASS created a dedicated website, www.agcensus.usda.gov. This became a repository for all types of census information, including basic background materials, previous years' census data, sample report forms, and news releases and other publicity materials. The website also enabled individuals to submit their contact information to ensure that they were on the mailing list to receive a census form. NASS also enhanced its online presence by purchasing banner ads and pay-per-click advertisements on key agricultural websites as well as major search engines.

REPORT FORM PROCESSING

Data Capture

All report forms returned to NPC were immediately checked in, using bar codes printed on the mailing label, and removed from follow up mailings. All forms with any data were scanned and an image was made of each page of a report form. Optical Mark Recognition (OMR) was used to capture categorical responses and to identify the other answer zones in which some type of mark was present.

Data entry operators keyed data from the scanned images using OMR results that highlighted the areas of the report forms with respondent entries. The keyer evaluated the contents and captured pertinent responses. Ten percent of the captured data were keyed a second time for quality control. If differences existed between the first keyed value and the second, an adjudicator handled resolution. The decision of the adjudicator was used to grade the performance of the keyers, who were required to maintain a certain accuracy level.

The images and the captured data were transferred to NASS's centralized network and became available to field offices and headquarters on a flow basis. The images were available for use in all stages of review. Images were computer generated for reports obtained from the telephone interviews and the Internet.

Editing Data

Captured data were processed through a format program. The program verified that record identifiers were valid and checked the basic integrity of the data fields. Rejected records were referred to analysts for correction. Accepted records were sent to a batch edit process. Each execution of the computer edit in batch mode consisted of records from only one State and flowed as the data were received from NPC.

All 2007 census records were passed through a complex computer edit. The edit determined whether a reporting operation met the minimum criteria to be counted as a qualifying farm (in-scope). Operations failing to meet the minimum criteria (out-of-scope) were referred to analysts for verification. The edit examined each in-scope record for reasonableness and completeness and determined whether to accept the recorded value for each data item or take corrective action. Actions included removing erroneously reported values, replacing an unreasonable value with one consistent with other reported data, or providing a value for an overlooked item. To the extent possible, the edit determined a replacement value. Strategies for determining replacement values are discussed in the next section.

The edit systematically checked reported data section-by-section with the overall objective of achieving an internally consistent and complete report. NASS subject-matter experts defined the criteria for acceptable data. Problems that could not be resolved within the edit were referred to an analyst for intervention. Analysts in the NASS field offices used additional information sources, examined the scanned image, and determined an appropriate action. Field office analysts used an interactive version of the edit program to submit corrected data and immediately re-edit the record to ensure a satisfactory solution.

Imputing for Missing Data

Missing data occurred whenever a respondent failed to report in a cell that should have a positive value or when the edit determined a value was not reasonable and should be changed. The edit performed a sequence of steps that determined the best value to impute for the missing item. If an item could not be calculated directly from other data reported on the current form, the edit checked for previously reported data. Acreage, production, and inventory items may have been reported on a recent NASS crop or livestock survey. Operator characteristics, such as race and gender, were brought forward from the previous census if the operator had not changed in five years. Administrative data from the Farm Service Agency was used for a few items, such as Conservation Reserve Program acreage. When these deterministic sources failed to produce a solution, the edit invoked an automated imputation system which searched for a reporting farm of similar type, size, and location to provide a value for the missing data item. If the imputation algorithm failed to provide a solution, the record was referred to an analyst for resolution.

The guiding principal for imputation was to find a close match to the farm with the missing item. The census imputation algorithm relied on pre-established donor pools, one for each State. A donor pool included a collection of completed reports that had successfully navigated the edit. Each pool was further divided into groups of similar type and size, referred to as profiles. When the edit determined the need to impute an item, it went to the appropriate profile and searched for the best fit. Best fit was determined by calculating "distance" between the incomplete report and each candidate donor using a set of match variables. Match variables were specific to each section of the report form and included the latitude and longitude of the principal county of operation. The distance was the sum of the squared differences between the reported values of the match variables. The donor with the smallest distance was considered the "nearest neighbor" and became the source for the imputation action. The value returned may have been a direct copy of the donor's value. In many cases, a relationship between two related variables on the donor record was applied to a reported value on the incomplete record. Using crop production as an example, the donor's production was divided by its harvested acres (yield) and multiplied by the recipient's harvested acres to obtain imputed production.

The imputation process was imbedded in the edit. When the edit determined an item required imputation, the edit program launched the algorithm, waited for a value to be returned, validated that the returned value was satisfactory, and resumed editing. Since imputation was conducted independently for each occurrence, reports requiring multiple imputations drew from multiple donors.

Initial donor pools were established before the first batch edits were run. These donor pools were "seeded" with 2002 census data that were "mapped" to look like 2007 data and passed through the 2007 edit to ensure they were consistent using the 2007 data relationships. In addition, data from the 2005 Census Content Test were similarly mapped and edited. As 2007 data were successfully processed, new records systematically replaced the older records in the donor pool. The older records disappeared entirely from the donor pool after the first few batch edits.

The donor pool for each State was refreshed weekly during the first couple of months of editing. As the flow of new data slowed, the donor pools were refreshed biweekly. During the early stages of editing, records that needed to impute production for field crops or hay were set aside. When the donor pool no longer contained old data, these records were brought back and passed through the edit, ensuring 2007 yields were imputed.

In some cases, nearest-neighbor imputation was not possible. The requirement of a positive imputed value could have ruled out all available donors, resulting in an imputation failure. An imputation failure could have occurred if there were no donors in the same profile as the report being edited. Records with imputation failures were either held until more records were available in the donor pool or referred to an analyst.

Data Analysis

The complex edit ensured the full internal consistency of the record. Successfully completing the edit did not provide insight as to whether the report was reasonable compared to other reports in the county. Analysts were provided an additional set of tools, in the form of listings and graphs, to review record-level data across farms. These examinations revealed extreme outliers, large and small, or unique data distribution patterns that were possibly a result of reporting, recording, or handling errors. Potential problems were researched and, when necessary, corrections were made and the record interactively edited again.

WHOLE FARM NONRESPONSE ESTIMATION

Whole farm nonresponse adjustments were necessary because some farm operators did not respond to the census, despite numerous attempts to contact them. Statistical estimation procedures were used to account for these CML nonrespondents. The objectives of the nonresponse adjustments included estimating the number of in-scope records (farms) included in the total number of nonrespondents of a similar size and type by increasing the weights of reporting farms of that size and type. This procedure

was intended to account for those farms that failed to return a report form. These procedures were applied in all States, except Alaska and Rhode Island where staff were required to submit data for every record on the CML due to the low level of farming operations in these States. Large or unique farms (Must records) for which a report was required (and thus given a nonresponse weight of one) were exempt from this weighting procedure. These farms received intensive follow-ups. Data were imputed for the record if all followup contacts failed (rather than using the nonresponse weighting procedure).

After census data collection was completed, all CML records in a State were put into mutually exclusive weighting groups based on a list of farm characteristics known at the time of mail-out and the census response status of the record. Data mining techniques systematically checked selected variables, identifying those groups with differences in response rates that were statistically significant. The algorithm would take one characteristic, divide all names into two groups, and check for statistical significance between the response rates of the two groups. If a significant difference was found, these groups became permanent and the next characteristic would be examined within those two groups. If the response rate between two groups was not statistically significant, the groups were rejoined and the next characteristic was tested. This stepwise process continued until all characteristics were checked and no further statistical significance could be found. Since the "path" taken by the algorithm was driven by an individual State's response pattern, the final breakout of weighting groups was customized for the State.

Within each weighting group, the percent of responding in-scope farms was computed. This rate was applied to the count of nonresponding farms to estimate the number of in-scope nonrespondents. The weights of the responding in-scope farms in each weighting group were scaled to account for nonresponding farms in that group.

This procedure was applied to all of the weighting groups except the one that consisted primarily of records who were included on the CML but had not responded to data collection efforts either during CML development activities or during the census data collection phase. The estimate of in-scope records (farms) within this group was not reliable. To get a more reliable estimate, NASS conducted a nonresponse follow-up activity. After scheduled census data collection efforts were completed, a target sample of 5,000 records was selected from across all States. These 5,000 records were personally interviewed by NASS staff to determine if they were indeed in-scope records (farm) or out-of-scope records (nonfarm). Each record fell into one of these two categories. The percent of in-scope records was used to form the weight for this group.

When NASS summarizes the census of agriculture, it assigns the data from an individual report to the "principal" county. The principal county is the one county in which the majority of agricultural products are produced from a respondent. This is a question on the census report form and is therefore determined by the respondent. Because some large operations have significant production in multiple counties, some reports were broken up into multiple source counties, to more accurately allocate the data. Similarly, large farms operating in more than one State were treated as distinct, state-specific operations. A separate report form was completed for each county or State and a separate record was added.

The percent of the total that came from the whole farm nonresponse estimate is shown for selected census data items in Tables A and C. The estimates provided in Tables A and C do not reflect the effect of item nonresponse on individual census data items. The effect of this item nonresponse is discussed in the section on "Item Nonresponse" in "Nonmeasured Census Error."

COVERAGE ADJUSTMENT

Although much effort was expended making the CML as complete as possible, the census did not count all U.S. farms. NASS's goal was to produce agricultural census totals for publication that were fully adjusted for list undercoverage at the county level. NASS used its area frame with the CML in a dual-frame estimation procedure to measure the number of farms in the population and key characteristics of those farms. Area frame segments were enumerated using field enumerators (as

described in the first section of this appendix) who personally visited the tract operators within a segment. Because field enumeration is significantly more expensive than other modes of data collection, NASS's area frame sample allocation is only designed to generate reliable estimates at the State, regional, and U.S. level. Therefore, in order to produce estimates that represented all farms at the county level, NASS used an allocation process known as "calibration" to distribute the dual-frame estimates across counties.

Once all CML and NML data were collected, NASS analysts went through an extensive process to generate adjusted estimates. The weights of the CML respondents had been previously adjusted to account for all of the CML nonrespondents, referred to as list plus nonresponse (CML+NR). Simultaneously, NASS summarized the NML tract records to generate state-level NML survey estimates. These two pieces were then combined in a dual-frame estimation procedure to form State estimates of totals that represented all farms. These estimates are annotated as [(CML+NR) +NML]. The state-level totals for these variables were summed to yield national totals.

The whole farm nonresponse and list undercoverage record weighting processes were initially applied at the State level to produce adjusted estimates of farm numbers and land in farms for 65 different categories of 8 characteristics of the farm operation or the farm operator -- value of agricultural sales (8); age (2); female; race (4); Hispanic origin of principal farm operator; total number of farms and land in farms (2); 4 sales categories for each of 10 major commodities (40); and 7 farm type groups. The national-level adjusted estimates were smoothed across States to get initial State farm operation coverage targets because state-level farm-count estimates based on this two-piece formula sometimes had unacceptably high state-level standard errors and apparent biases. This often occurs when estimating a rare item, such as female farm operators, using a general purpose survey.

The smoothing process examined the proportion of the total JAS estimate attributable to the NML, for each of the 65 variables in each State and the U.S. Since the CML was built using standard national methods, the NML percentages were expected to be uniform across States. The smoothed NML value for each of the 65 variables in a given State was calculated as the product of the state-level NML value and the weighted average of the ratios of the NML for a given variable in the State to the overall NML in the State and the NML for the given variable in the U.S. to the overall NML in the U.S. The weighting factor was chosen to minimize the mean square error under a random effects model with the control that the sum of the State smoothed NML values was equal to the total NML estimate for each of the 65 variables. This methodology effectively draws the state-level NML undercoverage proportions of the JAS toward the national estimate of undercoverage with the most extreme values adjusted the most. The smoothed NML values for each variable were added to the (CML + NR) totals to form calibration targets for each variable. Subject-matter experts in headquarters reviewed all targets.

However, these State estimates were general purpose in that they did not provide any control over expected levels of commodity production of the farm operation. As a result of this limitation, the procedures could have over adjusted or under adjusted for commodity production. To address this, a second set of variables were added to the calibration algorithm, known as commodity coverage targets. These targets were commodity totals from administrative sources or from NASS surveys of non-farm populations (e.g. USDA Farm Service Agency program data, Agricultural Marketing Service market orders, livestock slaughter data, cotton ginning data). The introduction of these commodity coverage targets strengthened the overall adjustment procedure by ensuring that major commodity totals remained within reasonable bounds of established benchmarks. Commodity coverage targets with acceptable ranges were established by subject-matter experts for each State with New England treated as a State.

The calibration algorithm addressed farm operation undercoverage and commodity coverage concurrently. The algorithm was controlled by the 65 State farm operation coverage targets and the State commodity coverage targets. In order to ensure that the calibration process converged with so many

constraints, it was desirable to provide some tolerance ranges for each target. Although full calibration to a single point estimate would assure that the weighted total among census respondents equaled its target for each calibration variable in either set, it was not always possible to calibrate to such a large number of target values while ensuring that farm weights were within a reasonable range and not less than one. Because of this and because calibration targets are estimates themselves subject to uncertainty, NASS allowed some tolerance in the determination of the adjusted weights. Rather than forcing the total for each calibration variable computed using the adjusted weights to equal a specific amount, NASS allowed the estimated total to fall within a tolerance range. This tolerance strategy sometimes made it possible for the calibration algorithm to produce a set of satisfactory, adjusted weights that it would not have otherwise.

Ranges for the list farm operation coverage targets were determined differently from the commodity targets. The State target for number of farms had no tolerance range. The tolerance range for the 64 other State farm operation coverage targets was the estimated smoothed State total for the variable [(CML+NR)+NML] plus or minus one-half of one estimated standard error of NML estimate. This choice limited the cumulative deviation from the estimated total for a variable when State totals were summed to a U.S. level total. The commodity target tolerance ranges were determined by subject-matter experts, based on the amount of confidence in the source, and usually were less than plus or minus two percent of the target. Ranges were not necessarily symmetric around the target value.

Adjusted weights were obtained using truncated linear calibration which forced the final census record weights to fall in the interval [1,6]. Adjustments began with the nonresponse-adjusted weights and added a second stage weight to simultaneously satisfy all farm operation coverage and commodity coverage calibration targets. If a value within the tolerance range of any variable could not be achieved in a given State, the variable was removed as a target and the calibration algorithm was rerun. Additionally, the CML was assumed to be complete for very large and unique farms with their weight being controlled to 1 during the calibration adjustment process.

Weight computations in the nonresponse and final coverage calibration algorithms were performed to several decimals. Thus, the fully-adjusted weights were non-integer numbers. To insure that all subdomains for which NASS publishes summed to their grand total, fully-adjusted weights were integerized. This eliminated the need for rounding individual cell values and insured that marginal totals always added correctly to the grand total. As an example of how the integerization process worked, assume there were five census records in a county with final noninteger coverage weights of 2.2, for a total of 11. The integerization process randomly selected four of these records and rounded their final weight down to 2.0 and rounded the fifth record up to 3.0, for a total of 11.

The proportions of selected census data items that are due to coverage adjustments are displayed in Tables A and C. Some estimated coverage adjustments could be negative. The use of commodity targets in calibration indirectly exposed some duplication on the census list or over adjustment by the nonresponse algorithm resulting in negative coverage adjustments.

DISCLOSURE REVIEW

After tabulation and review of the aggregates, a comprehensive disclosure review was conducted. NASS is obligated to withhold, under Title 7, U.S. Code, any total that would reveal an individual's information or allow it to be closely estimated by the public. Cell suppression was used to protect the cells that were determined to be sensitive to a disclosure of information. Farm counts are not considered sensitive and are not subject to disclosure.

Based on agency standards, data cells were determined to be sensitive to a disclosure of information if they violated either of two criteria. First, the threshold rule was violated if the data cell contained less than three operations. For example, if only one farmer produced turkeys in a county, NASS could not publish the county total for turkey inventory without disclosing that individual's information. Second, a dominance rule was violated

if the distribution of the data within the cell allowed a data user to estimate any respondent's data too closely. For example, if there are many farmers producing turkeys in a county and some of them were large enough to dominate the cell total, NASS could not publish the county total for turkey inventory without risking disclosing an individual respondent's data. In both of these situations, the data were suppressed and a "(D)" was placed in the cell in the census publication table. These data cells were referred to as primary suppressions.

Since most items were summed to marginal totals, primary suppressions within these summation relationships were protected by ensuring that there were additional suppressions within the linear relationship that provided adequate protection for the primary. A detailed computer routine selected additional data cells for suppression to ensure all primary suppressions were properly protected in all linear relationships in all tables. These data cells were referred to as complementary suppressions. These cells were not themselves sensitive to a disclosure but were suppressed to protect other primary suppressions. A "(D)" was also placed in the cell of the census publication table to indicate a complementary suppression.

Field office analysts reviewed all complementary suppressions to ensure no cells had been withheld that were vital to the data users. In instances where complimentary suppressions were deemed critically important to a State or county, analysts requested an override and a different complement was chosen.

MEASURES OF CENSUS QUALITY

An important objective of the 2007 Census of Agriculture was to provide data with a high level of quality. However, every census or survey has the potential for error in its processes. These errors impact the quality of the data estimates. When feasible, measurements of those errors are provided with individual data items or used to make adjustments to the census or survey estimates. In conducting the 2007 Census of Agriculture, efforts were initiated to measure error associated with the adjustment for farm operations that were not respondents to the request to CML records, the coverage adjustment for farms not on the CML using the NML and calibration, and the integerization process. Other errors present in the census of agriculture include respondent or enumerator error, error in classification of farm operations, other types of processing errors, error associated with imputation for item nonresponse, and matching error associated with dual-frame estimation. These latter errors were not measured in the census of agriculture process. Information relating to these errors is provided in the sections that follow.

The 2007 Census of Agriculture process measured the error introduced by the nonresponse algorithm, the coverage algorithm, and integerization. The root mean squared error (RMSE) of an estimated data item from the census provides a measure of the error variation in the value of that estimated data item based on all possible outcomes of the census collection, including variants as to who was on the census list, who returned a census form, and which weights were chosen to be rounded up. The RMSE was used rather than the standard error because it could capture additional error arising from integerization and the potential for bias in the calibration targets. The RMSE is the square root of the sum of the weighted differences between the final recorded value and its expected value squared divided by the number of reports.

Table B presents the fully adjusted total with the root mean squared error for selected items. The relative root mean squared error is obtained by dividing the root mean squared error by the value of the estimate and then multiplying by 100. The table also includes the percent contribution to the mean squared error (the square of the root mean squared error) from nonresponse adjustment and from coverage adjustment.

NONMEASURED CENSUS ERROR

As noted in the previous section, sampling errors can be introduced from the nonresponse and coverage adjustment procedures. This error is measureable. However, nonsampling errors are imbedded in the census process which cannot be directly measured as part of the design of the census but must be contained to ensure an accurate count. Extensive efforts were made to compile a complete and accurate mail list for the census, to elicit response to

the census, to design an understandable report form with clear instructions, to minimize processing errors through the use of quality control measures, to reduce matching error associated with the dual frame estimation process, and to minimize error associated with identification of a respondent as a farm operation (referred to as classification error). The weight adjustment and tabulation processes recognize the presence of nonsampling errors, however, it is assumed that these errors are small and that, in total, the net effect is zero. In other words, the positive errors cancel the negative errors.

Census Response Rate

The response rate is an indicator of the quality of a data collection. It is generally assumed that if a response rate is close to a full participation level of 100 percent, the potential for nonresponse bias is small. The response rate for the 2007 Census of Agriculture is 85.2 percent as compared with a response rate of 88.0 for the 2002 Census of Agriculture and 86.2 percent for the 1997 Census of Agriculture. There was no effort to measure nonresponse bias for the census. However, the census will be used to measure nonresponse bias in NASS surveys.

The response rate for the 2007 Census of Agriculture was calculated as the ratio of the total respondents after data collection was completed to the number of CML records after those that were undeliverable-as-addressed were removed. The total respondents consisted of three groups – those respondents not eligible for the nonresponse survey, those in the universe for the nonresponse survey but who responded prior to the selection of the nonresponse survey sample, and an estimate of the potential respondents in the nonresponse survey sample universe from the response rate to the nonresponse survey. Additional details of the nonresponse study are found in the section on "Whole Farm Nonresponse Estimation."

Respondent and Enumerator Error

Incorrect or incomplete responses to the census report form or to the questions posed by an enumerator can introduce error into the census data. Steps were taken in the design and execution of the census of agriculture to reduce errors from respondent reporting. Poor instructions and ambiguous definitions lead to misreporting. Respondents may not remember accurately, may give rounded numbers, or may record an item in the wrong cell. To reduce reporting and recording errors, the report form was tested prior to the census using industry accepted cognitive testing procedures and detailed instructions for completing the report form were provided to each respondent. Questions were phrased as clearly as possible based on previous tests of the report form. Computer-assisted telephone interviewing software included immediate integrity checks of recorded responses so suspect data could be verified or corrected. In addition, each respondent's answers were checked for completeness and consistency by the complex edit and imputation system.

Processing Error

Processing of each census report form was another potential source of nonsampling error. All mail returns that included multiple reports, respondent remarks, or that were marked out of business and report forms with no reported data were sent to an analyst for verification and appropriate action. Integrity checks were performed by the imaging system and data transfer functions. Standard quality control procedures were in place that required that randomly selected batches of data keyed from image be re-entered by a different operator to verify the work and evaluate key entry operators. All systems and programs were thoroughly tested before going on-line and were monitored throughout the processing period.

Developing accurate processing methods is complicated by the complex structure of agriculture. Among the complexities are the many places to be included, the variety of arrangements under which farms are operated, the continuing changes in the relationship of operators to the farm operated, the expiration of leases and the initiation or renewal of leases, the problem of obtaining a complete list of agriculture operations, the difficulty of contacting and identifying some types of contractor/contractee relationships, the operator's absence from the farm during the data collection period, and the operator's opinion that part or all of the operation does not

qualify and should not be included in the census. During data collection and processing of the census, all operations underwent a number of quality control checks to ensure results were as accurate as possible.

Item Nonresponse

All item nonresponse actions provide another opportunity to introduce nonsampling errors. Regardless of whether it was previously reported data, administrative data, the nearest neighbor algorithm, or manually imputed by an analyst, some risk exists that the imputed value does not equal the actual value. Previously reported and administrative data were used only when they related to the census reference period. A new nearest neighbor was randomly selected for each incident to eliminate the chance of a consistent bias.

Matching Error

The process of building and expanding the CML involves finding new list sources and checking for names not on the list. An automated processing system compared each new name to the existing CML names and "linked" like records for the purpose of preventing duplication. New names with strong links to a CML name were discarded and those with no links were added as potential farms. Names with weak links, possible matches, were reviewed by staff to determine whether the new name should be added. Despite this thorough review, some new names may have been erroneously added or deleted. Additions could contribute to duplication (overcoverage) where as deletions could contribute to undercoverage. As a result, some names received more than one report form, and some farm operators did not receive a report form. Respondents were instructed to complete one form and return all forms so the duplication could be removed.

Another chance for error came when comparing June Area Survey tract operator names to the CML. Area operators whose names were not found on the CML were part of the measure of list incompleteness, or NML. Mistakes in determining overlap status resulted in overcounts (including a tract whose operator was on the CML) or undercounts (excluding a tract whose operator was not on the CML). All tracts determined to not be on the list were triple checked to eliminate, or at least minimize, any error. NML tract operators were mailed a report form printed in a different color. In order to attempt to identify duplication, all respondents who received multiple report forms were instructed to complete the CML version and return all forms so duplication could be removed.

Classification Error

Classification error results when a response to the census is misclassified – either as a farm operation if it does not meet the definition or not as a farm operation when it meets the definition. The definition of a farm operation in the 2007 Census of Agriculture is an operation that has $1,000 in agricultural sales or the potential for $1,000 in agricultural sales. A Classification Error Study (CES) has historically been conducted after the census of agriculture. The objectives of a CES are to examine the procedures used to determine farm status (in-scope or out-of-scope) to see if they are producing accurate decisions, document the sources of errors resulting in overcounts and undercounts, and recommend strategies to eliminate them from future censuses. Classification error is a component of census coverage error in addition to coverage error resulted from list incompleteness or duplication. Historically, measures have indicated that the error is small. There has not been any attempt to incorporate this error measure in the coverage adjustment procedure for the 2007 Census of Agriculture.

Prior to 1997 a list based re-interview sample of census respondents was used to measure classification error in the census – specifically the number of farms incorrectly classified as non-farms (undercount) and the number of duplicate farms (overcount). Additionally, an area frame survey was used separately to measure the largest component of census coverage error – incompleteness of the census list. Following the 1997 census, NASS conducted the CES for the 11 western States of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. The 1997 CES used information from the June Area Survey (JAS) enumeration in lieu of re-interviews; estimates were based on the JAS. The 1997 CES

results indicated a net undercount of 27,971 farms (non-farms incorrectly classified as farms minus duplicate farms and farms incorrectly classified as non-farms) in the eleven States. While the standard error of this estimate is not available to determine statistical significance, even if statistically significant, it represents a relatively small portion of the overall undercount.

Following the 2002 census, the CES similarly used an area-based approach that was conducted in all States. The 2002 CES matched census records to JAS records to identify the differences in farm status of an operation. The JAS area frame-based survey data were assumed to be truth and the estimates of misclassification (records which were incorrectly classified as farms or non-farms and duplicates) were based on this assumption. The 2002 CES results indicated a net overcount of 51,345 farms at the US level, with a standard error of 6,456. In this case, substantial resources were expended to estimate something relatively small. Estimates of overcount and undercount were computed but were not used to adjust totals. Results of the 2002 CES were documented in an internal NASS research report titled "Results from the 2002 Classification Error Study" dated April 2007.

For the 2007 Census of Agriculture, a classification error research study (CES) was conducted in five States -- Arizona, Georgia, Minnesota, New York, and Washington. Estimates of net error were not generated, as the CES was quality research and limited to the five States. Review of the 2002 CES indicated the assumption that the JAS was the truth was inappropriate and re-interviews were reinstated. The 2007 CES used data from the 2007 JAS and the 2007 census to examine farms incorrectly classified as nonfarms, nonfarms incorrectly classified as farms, and to examine records with significant discrepancies in reporting of land between the JAS and census reports. The overall objectives of the 2007 CES were to identify legitimate changes in operations and determine the source of potential errors in the data.

Records in the 2007 JAS were matched to the 2007 census using probabilistic record linkage. From the set of matched records, three groups of interest were identified: 1) in-scope JAS records that were out-of-scope on the census, 2) census in-scope and JAS non-agricultural records, and 3) in-scope census and JAS records with acreage differences of more than 25 percent. Farms whose farm status was in disagreement were interviewed to determine which source was correct; a reason for the change of status on the census was recorded. For records with a discrepancy between the data reported on the 2007 JAS and the 2007 census forms, respondents were re-contacted and asked to verify their data and resolve the difference.

Results of the 2007 CES showed that true changes in size of operations between the JAS and census were rare. Most discrepancies in farm status were the result of errors in reporting with respondents indicating most often that the census data rather than the JAS data were correct, challenging the previous assumption that the JAS data was the truth. Results of the 2007 CES will be used as input for redesign efforts for the JAS operational procedures and the 2012 census report form and instructions.

Table A. **Summary of U.S. Nonresponse and Coverage Adjustments: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Percent from nonresponse adjustment	Percent from coverage adjustment
Farms ....number	2,204,792	14.65	16.24
Land in farms ....acres	922,095,840	10.32	3.33
Farms by size:			
1 to 9 acres ....farms	232,849	13.35	31.34
acres	1,080,019	13.09	31.96
10 to 49 acres ....farms	620,283	13.43	24.94
acres	15,918,542	13.53	23.41
50 to 69 acres ....farms	153,862	13.99	18.51
acres	8,930,361	13.99	18.43
70 to 99 acres ....farms	192,043	14.55	15.85
acres	15,783,304	14.57	15.76
100 to 139 acres ....farms	175,146	15.32	13.35
acres	20,313,722	15.34	13.23
140 to 179 acres ....farms	139,479	15.87	11.47
acres	21,954,090	15.87	11.45
180 to 219 acres ....farms	87,502	16.43	8.65
acres	17,283,570	16.45	8.61
220 to 259 acres ....farms	68,313	16.77	7.45
acres	16,258,454	16.77	7.44
260 to 499 acres ....farms	212,553	17.51	5.67
acres	75,892,077	17.56	5.52
500 to 999 acres ....farms	149,713	17.50	3.07
acres	104,140,461	17.48	2.88
1,000 to 1,999 acres ....farms	92,656	14.61	1.71
acres	127,595,277	14.46	1.61
2,000 acres or more ....farms	80,393	9.16	1.44
acres	496,945,963	5.47	1.07
Market value of agricultural products sold $1,000	297,220,491	5.89	4.10
Farms by value of sales:			
Less than $1,000 ....farms	688,833	12.45	30.03
$1,000	84,357	11.85	33.65
$1,000 to $2,499 ....farms	211,494	14.48	19.69
$1,000	350,588	14.44	19.54
$2,500 to $4,999 ....farms	200,302	15.67	13.62
$1,000	718,027	15.63	13.52
$5,000 to $9,999 ....farms	218,531	15.74	12.72
$1,000	1,552,543	15.71	12.68
$10,000 to $19,999 ....farms	190,402	17.51	7.22
$1,000	2,682,120	17.51	7.25
$20,000 to $24,999 ....farms	57,883	17.45	8.05
1,000	1,277,703	17.43	8.11
$25,000 to $39,999 ....farms	107,046	17.41	9.85
$1,000	3,367,661	17.39	9.97
$40,000 to $49,999 ....farms	47,686	17.25	11.99
$1,000	2,112,835	17.24	12.03
$50,000 to $99,999 ....farms	125,456	18.52	6.70
$1,000	8,961,255	18.43	7.11
$100,000 to $249,999 ....farms	147,500	18.38	4.51
$1,000	24,212,940	18.06	5.65
$250,000 to $499,999 ....farms	93,373	15.63	2.33
$1,000	33,409,883	15.14	3.41
$500,000 to $999,999 ....farms	60,777	7.93	-2.49
$1,000	42,690,783	7.36	-1.78
$1,000,000 or more ....farms	55,509	1.37	7.25
$1,000	175,799,795	0.70	4.84
Farms by type of organization:			
Family or individual ....farms	1,906,335	14.86	16.98
acres	574,150,050	13.21	3.78
Partnership ....farms	174,247	14.09	12.10
acres	161,416,999	6.84	3.38
Corporation:			
Family held ....farms	85,837	12.23	9.28
acres	114,264,200	5.78	2.29
Other than family held ....farms	10,237	11.79	12.15
acres	11,055,610	4.37	2.17
Other - cooperative, estate or trust, institutional, etc. ....farms	28,136	12.33	14.43
acres	61,208,981	2.00	1.10
Tenure:			
Full owners ....farms	1,522,033	14.24	19.21
acres	343,952,327	10.30	5.64
Part owners ....farms	542,192	15.65	7.76
acres	496,344,290	10.37	1.53
Tenants ....farms	140,567	15.23	16.71
acres	81,799,223	10.13	4.54
Principal operator characteristics by-			
Sex of operator:			
Male ....farms	1,898,583	14.76	14.98
acres	857,831,274	10.23	3.05
Female ....farms	306,209	13.99	24.02
acres	64,264,566	11.60	7.02
Primary occupation:			
Farming ....farms	993,881	14.81	12.04
Other ....farms	1,210,911	14.52	19.68
Spanish, Hispanic, or Latino origin (see text) ....farms	55,570	13.56	39.00
acres	17,054,007	10.09	15.78
Race:			
American Indian or Alaska Native ....farms	34,706	13.86	30.33
acres	49,680,678	2.47	1.63
Asian ....farms	11,214	14.28	20.94
acres	1,389,766	7.67	8.68
Black or African American ....farms	30,599	18.35	29.11
acres	3,182,313	18.08	19.54
Native Hawaiian or Other Pacific Islander ....farms	1,356	16.15	23.01
acres	405,006	5.61	2.25
White ....farms	2,114,325	14.60	15.77
acres	863,819,828	10.74	3.36
More than one race reported ....farms	12,592	15.97	18.94
acres	3,618,249	12.36	2.75
Reporting primary occupation as farming by age group:			
Under 25 years ....farms	5,988	13.86	32.87
25 to 34 years ....farms	44,591	14.35	23.23
35 to 44 years ....farms	97,508	14.50	12.91
45 to 54 years ....farms	211,039	14.24	11.21
55 to 64 years ....farms	260,056	14.70	11.37
65 years and over ....farms	374,699	15.35	11.08
Reporting primary occupation as other than farming by age group:			
Under 25 years ....farms	5,890	11.95	41.95
25 to 34 years ....farms	62,144	13.67	32.66
35 to 44 years ....farms	171,310	15.01	20.99
45 to 54 years ....farms	354,362	14.66	19.55
55 to 64 years ....farms	336,250	14.57	18.23
65 years and over ....farms	280,955	14.23	17.44
All operators by age group [1]:			
Under 25 years ....farms	54,197	14.56	23.62
25 to 34 years ....farms	209,385	13.96	23.98
35 to 44 years ....farms	468,740	14.52	17.92
45 to 54 years ....farms	877,500	14.36	16.59
55 to 64 years ....farms	848,277	14.54	15.52
65 to 74 years ....farms	533,436	14.82	14.08
75 years and over ....farms	289,999	14.98	13.08

[1] Data were collected for a maximum of three operators per farm.

Table B. **Reliability Estimates of U.S. Totals: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Root mean squared error (RMSE)	Relative RMSE (percent)	Nonresponse contribution to MSE (percent)	Coverage adjustment contribution to MSE (percent)
Farms	number	2,204,792	4,775	0.22	0.73	99.27
Land in farms	acres	922,095,840	2,271,194	0.25	7.17	92.83
Farms by size:						
1 to 9 acres	farms	232,849	1,129	0.48	6.56	93.44
	acres	1,080,019	5,348	0.50	8.73	91.27
10 to 49 acres	farms	620,283	1,869	0.30	4.74	95.26
	acres	15,918,542	47,536	0.30	5.97	94.03
50 to 69 acres	farms	153,862	603	0.39	13.33	86.67
	acres	8,930,361	35,122	0.39	13.33	86.67
70 to 99 acres	farms	192,043	705	0.37	11.46	88.54
	acres	15,783,304	58,019	0.37	11.51	88.49
100 to 139 acres	farms	175,146	653	0.37	12.17	87.83
	acres	20,313,722	75,838	0.37	12.17	87.83
140 to 179 acres	farms	139,479	560	0.40	13.00	87.00
	acres	21,954,090	88,353	0.40	13.00	87.00
180 to 219 acres	farms	87,502	402	0.46	16.05	83.95
	acres	17,283,570	79,431	0.46	16.06	83.94
220 to 259 acres	farms	68,313	345	0.50	16.87	83.13
	acres	16,258,454	82,147	0.51	16.87	83.13
260 to 499 acres	farms	212,553	748	0.35	10.01	89.99
	acres	75,892,077	270,193	0.36	10.15	89.85
500 to 999 acres	farms	149,713	567	0.38	11.83	88.17
	acres	104,140,461	398,675	0.38	11.93	88.07
1,000 to 1,999 acres	farms	92,656	386	0.42	13.10	86.90
	acres	127,595,277	533,334	0.42	13.21	86.79
2,000 acres or more	farms	80,393	340	0.42	9.31	90.69
	acres	496,945,963	1,692,942	0.34	12.48	87.52
Market value of agricultural products sold	$1,000	297,220,491	976,269	0.33	32.36	67.64
Farms by value of sales:						
Less than $1,000	farms	688,833	3,480	0.51	0.81	99.19
	$1,000	84,357	603	0.71	5.37	94.63
$1,000 to $2,499	farms	211,494	1,677	0.79	1.46	98.54
	$1,000	350,588	2,786	0.79	1.63	98.37
$2,500 to $4,999	farms	200,302	1,304	0.65	3.08	96.92
	$1,000	718,027	4,640	0.65	3.26	96.74
$5,000 to $9,999	farms	218,531	1,258	0.58	3.49	96.51
	$1,000	1,552,543	8,930	0.58	3.66	96.34
$10,000 to $19,999	farms	190,402	1,071	0.56	4.31	95.69
	$1,000	2,682,120	15,035	0.56	4.55	95.45
$20,000 to $24,999	farms	57,883	396	0.68	11.09	88.91
	1,000	1,277,703	8,739	0.68	11.17	88.83
$25,000 to $39,999	farms	107,046	620	0.58	8.22	91.78
	$1,000	3,367,661	19,574	0.58	8.36	91.64
$40,000 to $49,999	farms	47,686	343	0.72	13.67	86.33
	$1,000	2,112,835	15,203	0.72	13.70	86.30
$50,000 to $99,999	farms	125,456	803	0.64	4.45	95.55
	$1,000	8,961,255	58,044	0.65	4.60	95.40
$100,000 to $249,999	farms	147,500	843	0.57	4.44	95.56
	$1,000	24,212,940	140,278	0.58	4.75	95.25
$250,000 to $499,999	farms	93,373	420	0.45	10.31	89.69
	$1,000	33,409,883	155,009	0.46	9.99	90.01
$500,000 to $999,999	farms	60,777	287	0.47	9.61	90.39
	$1,000	42,690,783	199,042	0.47	9.85	90.15
$1,000,000 or more	farms	55,509	263	0.47	5.81	94.19
	$1,000	175,799,795	826,902	0.47	45.09	54.91
Farms by type of organization:						
Family or individual	farms	1,906,335	4,217	0.22	1.15	98.85
	acres	574,150,050	1,594,846	0.28	7.48	92.52
Partnership	farms	174,247	596	0.34	14.47	85.53
	acres	161,416,999	685,715	0.42	26.92	73.08
Corporation:						
Family held	farms	85,837	394	0.46	14.21	85.79
	acres	114,264,200	671,436	0.59	11.57	88.43
Other than family held	farms	10,237	113	1.10	24.45	75.55
	acres	11,055,610	193,979	1.75	43.78	56.22
Other - cooperative, estate or trust, institutional, etc.	farms	28,136	199	0.71	20.33	79.67
	acres	61,208,981	229,821	0.38	52.93	47.07
Tenure:						
Full owners	farms	1,522,033	3,579	0.24	1.73	98.27
	acres	343,952,327	933,786	0.27	11.77	88.23
Part owners	farms	542,192	1,465	0.27	5.52	94.48
	acres	496,344,290	1,526,580	0.31	10.77	89.23
Tenants	farms	140,567	627	0.45	12.83	87.17
	acres	81,799,223	510,600	0.62	23.92	76.08
Principal operator characteristics by-						
Sex of operator:						
Male	farms	1,898,583	4,420	0.23	0.97	99.03
	acres	857,831,274	2,137,545	0.25	7.67	92.33
Female	farms	306,209	1,883	0.61	2.12	97.88
	acres	64,264,566	476,765	0.74	12.39	87.61
Primary occupation:						
Farming	farms	993,881	2,351	0.24	3.46	96.54
Other	farms	1,210,911	2,914	0.24	2.70	97.30
Spanish, Hispanic, or Latino origin (see text)	farms	55,570	1,245	2.24	0.71	99.29
	acres	17,054,007	361,118	2.12	11.45	88.55

See footnote(s) at end of table.

--continued

Table B. **Reliability Estimates of U.S. Totals: 2007** - Con.

[For meaning of abbreviations and symbols, see introductory text]

Item		Total	Root mean squared error (RMSE)	Relative RMSE (percent)	Nonresponse contribution to MSE (percent)	Coverage adjustment contribution to MSE (percent)
Principal operator characteristics by- Con.						
Race:						
American Indian or Alaska Native	farms	34,706	879	2.53	0.99	99.01
	acres	49,680,678	289,103	0.58	10.91	89.09
Asian	farms	11,214	343	3.06	2.54	97.46
	acres	1,389,766	51,651	3.72	18.08	81.92
Black or African American	farms	30,599	790	2.58	1.40	98.60
	acres	3,182,313	91,924	2.89	9.53	90.47
Native Hawaiian or Other Pacific Islander	farms	1,356	56	4.11	20.96	79.04
	acres	405,006	19,286	4.76	48.39	51.61
White	farms	2,114,325	4,705	0.22	0.77	99.23
	acres	863,819,828	2,243,157	0.26	7.16	92.84
More than one race reported	farms	12,592	146	1.16	23.15	76.85
	acres	3,618,249	83,371	2.30	37.35	62.65
Reporting primary occupation as farming by age group:						
Under 25 years	farms	5,988	214	3.57	5.59	94.41
25 to 34 years	farms	44,591	530	1.19	5.69	94.31
35 to 44 years	farms	97,508	438	0.45	16.85	83.15
45 to 54 years	farms	211,039	704	0.33	12.08	87.92
55 to 64 years	farms	260,056	810	0.31	11.09	88.91
65 years and over	farms	374,699	1,085	0.29	8.32	91.68
Reporting primary occupation as other than farming by age group:						
Under 25 years	farms	5,890	223	3.78	5.47	94.53
25 to 34 years	farms	62,144	796	1.28	3.24	96.76
35 to 44 years	farms	171,310	663	0.39	14.59	85.41
45 to 54 years	farms	354,362	1,083	0.31	9.52	90.48
55 to 64 years	farms	336,250	1,034	0.31	9.43	90.57
65 years and over	farms	280,955	957	0.34	8.71	91.29
All operators by age group [1]:						
Under 25 years	farms	54,197	543	1.00	7.83	92.17
25 to 34 years	farms	209,385	1,646	0.79	2.81	97.19
35 to 44 years	farms	468,740	1,444	0.31	10.17	89.83
45 to 54 years	farms	877,500	2,299	0.26	6.13	93.87
55 to 64 years	farms	848,277	2,202	0.26	6.03	93.97
65 to 74 years	farms	533,436	1,495	0.28	8.02	91.98
75 years and over	farms	289,999	958	0.33	10.02	89.98
Net cash farm income of operations (see text):						
Farms with gains of [2] -						
Less than $1,000	farms	102,871	489	0.48	12.83	87.17
	$1,000	48,868	258	0.53	14.32	85.68
$1,000 to $4,999	farms	221,477	859	0.39	8.20	91.80
	$1,000	597,359	2,392	0.40	9.21	90.79
$5,000 to $9,999	farms	128,828	568	0.44	11.57	88.43
	$1,000	931,210	4,168	0.45	11.69	88.31
$10,000 to $24,999	farms	170,636	726	0.43	9.21	90.79
	$1,000	2,784,542	12,001	0.43	9.77	90.23
$25,000 to $49,999	farms	119,233	536	0.45	12.11	87.89
	$1,000	4,277,334	19,526	0.46	12.22	87.78
$50,000 or more	farms	293,996	945	0.32	5.46	94.54
	$1,000	84,153,889	287,193	0.34	21.95	78.05
Farms with losses of -						
Less than $1,000	farms	134,307	565	0.42	13.89	86.11
	$1,000	68,177	313	0.46	15.94	84.06
$1,000 to $4,999	farms	426,570	1,388	0.33	6.69	93.31
	$1,000	1,186,542	3,998	0.34	7.72	92.28
$5,000 to $9,999	farms	247,156	928	0.38	10.22	89.78
	$1,000	1,771,484	6,723	0.38	10.49	89.51
$10,000 to $24,999	farms	225,863	889	0.39	10.40	89.60
	$1,000	3,508,974	14,100	0.40	10.77	89.23
$25,000 to $49,999	farms	76,927	427	0.55	16.51	83.49
	$1,000	2,642,891	14,865	0.56	16.67	83.33
$50,000 or more	farms	56,928	317	0.56	17.72	82.28
	$1,000	9,034,037	47,022	0.52	35.28	64.72

[1] Data were collected for a maximum of three operators per farm.
[2] Farms with zero net cash income are included as farms with gains of less than $1,000.

Table C. **Summary of Nonresponse and Coverage Adjustments by State: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms			Land in farms			Sales		
	Total (number)	Nonresponse adjustment (percent)	Coverage adjustment (percent)	Total (acres)	Nonresponse adjustment (percent)	Coverage adjustment (percent)	Total ($1,000)	Nonresponse adjustment (percent)	Coverage adjustment (percent)
UNITED STATES TOTAL									
United States	2,204,792	14.65	16.24	922,095,840	10.32	3.33	297,220,491	5.89	4.10
STATES									
Alabama	48,753	16.09	15.11	9,033,537	14.16	4.25	4,415,550	3.87	5.44
Alaska	686	0.00	0.00	881,585	0.00	0.00	57,019	0.00	0.00
Arizona	15,637	9.83	21.33	26,117,899	0.89	0.48	3,234,552	0.99	1.07
Arkansas	49,346	14.12	11.11	13,872,862	9.26	3.32	7,508,806	2.67	11.91
California	81,033	15.51	20.26	25,364,695	7.06	3.12	33,885,064	3.01	1.54
Colorado	37,054	14.88	15.02	31,604,911	11.40	2.87	6,061,134	4.27	1.12
Connecticut	4,916	15.01	27.12	405,616	10.99	16.09	551,553	3.24	2.36
Delaware	2,546	12.92	18.03	510,253	5.70	3.67	1,083,035	4.50	18.38
Florida	47,463	15.63	20.04	9,231,570	6.27	5.76	7,785,228	3.04	2.27
Georgia	47,846	15.89	21.06	10,150,539	13.18	7.55	7,112,866	3.50	12.59
Hawaii	7,521	15.41	23.39	1,121,329	2.65	2.23	513,626	3.71	4.25
Idaho	25,349	11.95	20.45	11,497,383	7.75	2.67	5,688,765	2.74	3.12
Illinois	76,860	14.26	13.42	26,775,100	11.71	3.78	13,329,107	9.22	5.97
Indiana	60,938	12.14	16.34	14,773,184	9.53	2.82	8,271,291	6.19	5.08
Iowa	92,856	14.51	7.76	30,747,550	12.65	2.78	20,418,096	8.04	5.58
Kansas	65,531	14.98	14.58	46,345,827	12.96	1.34	14,413,182	5.40	3.67
Kentucky	85,260	15.80	15.47	13,993,121	14.25	7.28	4,824,561	7.17	3.69
Louisiana	30,106	14.69	21.40	8,109,975	10.64	6.68	2,617,981	5.68	5.26
Maine	8,136	14.25	28.00	1,347,566	11.87	7.68	617,190	4.62	2.10
Maryland	12,834	13.00	17.18	2,051,756	9.20	4.72	1,835,090	4.33	7.08
Massachusetts	7,691	16.28	25.90	517,879	13.69	15.01	489,820	9.93	2.03
Michigan	56,014	13.30	15.72	10,031,807	10.01	3.17	5,753,219	5.56	2.16
Minnesota	80,992	17.02	10.13	26,917,962	15.13	1.91	13,180,466	9.70	3.18
Mississippi	41,959	16.07	15.48	11,456,241	13.01	3.68	4,876,781	3.43	7.13
Missouri	107,825	16.02	11.68	29,026,573	14.31	3.67	7,512,926	8.39	5.23
Montana	29,524	16.22	8.05	61,388,462	10.53	0.78	2,803,062	11.24	2.02
Nebraska	47,712	15.77	7.33	45,480,358	11.60	2.35	15,506,035	8.07	4.83
Nevada	3,131	11.40	19.23	5,865,392	2.25	0.80	513,269	3.29	3.45
New Hampshire	4,166	13.37	28.92	471,911	11.73	15.81	199,051	4.34	3.23
New Jersey	10,327	13.17	13.48	733,450	8.53	4.70	986,885	3.43	1.82
New Mexico	20,930	15.50	21.85	43,238,049	5.41	1.34	2,175,080	2.55	3.05
New York	36,352	16.25	17.22	7,174,743	11.95	8.32	4,418,634	6.32	4.64
North Carolina	52,913	13.72	19.62	8,474,671	9.89	4.82	10,313,628	3.02	6.28
North Dakota	31,970	17.01	11.34	39,674,586	14.60	2.97	6,084,218	12.53	2.74
Ohio	75,861	13.84	13.13	13,956,563	10.61	3.74	7,070,212	6.89	3.36
Oklahoma	86,565	16.40	20.17	35,087,269	13.51	6.23	5,806,061	6.79	4.29
Oregon	38,553	13.18	18.01	16,399,647	8.01	4.27	4,386,143	4.59	2.85
Pennsylvania	63,163	12.13	23.42	7,809,244	12.67	9.29	5,808,803	7.90	3.41
Rhode Island	1,219	0.00	32.49	67,819	0.00	21.83	65,908	0.00	5.30
South Carolina	25,867	15.00	17.38	4,889,339	10.50	8.38	2,352,681	2.72	3.35
South Dakota	31,169	17.37	8.00	43,666,403	11.90	1.90	6,570,450	11.33	4.65
Tennessee	79,280	14.92	11.60	10,969,798	12.56	4.64	2,617,394	6.42	7.86
Texas	247,437	14.94	16.92	130,398,753	9.27	3.89	21,001,074	4.71	1.62
Utah	16,700	14.06	16.20	11,094,700	6.35	1.59	1,415,678	5.62	2.35
Vermont	6,984	14.69	27.41	1,233,313	12.06	14.67	673,713	6.72	3.54
Virginia	47,383	13.61	23.41	8,103,925	11.00	10.73	2,906,188	5.34	5.03
Washington	39,284	10.31	28.08	14,972,789	5.22	3.91	6,792,856	2.40	2.28
West Virginia	23,618	9.66	26.74	3,697,606	9.25	12.41	591,665	3.35	5.19
Wisconsin	78,463	12.61	20.16	15,190,804	12.25	6.01	8,967,358	9.16	2.11
Wyoming	11,069	12.59	16.71	30,169,526	4.67	2.05	1,157,535	5.02	3.23

Table D. **American Indian or Alaska Native Operators: 2007**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	American Indian or Alaska Native farm operators		
	Total	Individually reported [1]	Other [2]
UNITED STATES TOTAL			
United States	79,703	77,437	2,266
STATES			
Alabama	1,561	1,561	-
Alaska	47	47	-
Arizona	14,205	13,880	325
Arkansas	1,716	1,716	-
California	2,679	2,637	42
Colorado	1,090	1,090	-
Connecticut	92	92	-
Delaware	27	27	-
Florida	1,327	1,242	85
Georgia	1,067	1,067	-
Hawaii	232	232	-
Idaho	520	520	-
Illinois	550	550	-
Indiana	411	411	-
Iowa	253	253	-
Kansas	819	819	-
Kentucky	1,153	1,153	-
Louisiana	527	527	-
Maine	167	167	-
Maryland	199	199	-
Massachusetts	62	62	-
Michigan	1,221	1,221	-
Minnesota	1,069	1,069	-

Geographic area	American Indian or Alaska Native farm operators		
	Total	Individually reported [1]	Other [2]
STATES - Con.			
Mississippi	685	685	-
Missouri	2,160	2,160	-
Montana	2,359	2,359	-
Nebraska	147	147	-
Nevada	541	525	16
New Hampshire	89	89	-
New Jersey	85	85	-
New Mexico	8,400	6,829	1,571
New York	421	421	-
North Carolina	1,311	1,311	-
North Dakota	610	610	-
Ohio	293	293	-
Oklahoma	14,286	14,286	-
Oregon	1,391	1,391	-
Pennsylvania	462	462	-
Rhode Island	11	11	-
South Carolina	556	556	-
South Dakota	1,291	1,291	-
Tennessee	1,646	1,646	-
Texas	7,265	7,265	-
Utah	1,242	1,237	5
Vermont	92	92	-
Virginia	839	839	-
Washington	1,715	1,493	222
West Virginia	134	134	-
Wisconsin	279	279	-
Wyoming	399	399	-

[1] Data were collected for a maximum of three operators per farm.
[2] Data represent American Indian or Alaska Native farm or ranch operators on reservations who did not report individually. Data obtained from reservation officials.

Appendix B.
General Explanation and Census of Agriculture Report Form

DEVELOPMENT OF THE CENSUS REPORT FORMS

Prior to release of the results from the 2002 Census of Agriculture, NASS was preparing for the 2007 Census of Agriculture. The first team established was the 2007 Census Content Team. This team was tasked with content determination and report form development. They reviewed the 2002 report form content, solicited input from internal and external customers, developed criteria for determining acceptance and/or rejection of content for the 2007 Census of Agriculture report forms, tested the effectiveness of the report forms for various modes of data collection (mail, telephone, personal interview, and electronic data reporting), and made recommendations to NASS senior executives for final determination.

Throughout development NASS sought advice and input from the data user community. Integral partners included the Advisory Committee on Agriculture Statistics, State departments of agriculture and other State government officials, Federal agency officials, land grant universities, agricultural trade associations, media, and various Community Based Organizations.

NASS conducted the 2005 Census of Agriculture Content Test in early 2006. The test consisted of three phases: cognitive pretesting, national mail-out, and follow-up interviews. Results from the testing produced two final report form types -- a 24-page regionalized form with 7 versions (07-A0201 thru 07-A0207 regional forms and an 07-A0200 general version) and a 12-page national form version (07-A0100). The main difference between the form types is the format used to collect crop and livestock information. The regionalized report forms include crop sections designed to facilitate reporting crops most commonly grown within a report form region. Many items in these sections are either prelisted in the tables or listed below the tables. The national report form collected the same information as the regionalized forms, but it was formatted to fit on fewer pages. It includes an open table format to collect crop and livestock information. Respondents had to write in their crops and/or livestock information. A sample copy of the regionalized report form and instruction sheet is included in this appendix.

DATA CHANGES

Following are descriptions of the report form changes and their effect on the publication tables.

Crop Data Changes

Deleted items include:

- Other nursery and greenhouse category.
- Production and acres irrigated for potatoes.
- Production and acres irrigated for sweet potatoes.
- Production and acres irrigated for ginseng.

Added items include:

- Acres of individual vegetable crops harvested for fresh market.
- Acres harvested for fresh market and for processing for potatoes, sweetpotatoes, and ginseng.
- Acres irrigated for short rotation woody crops.
- Acres irrigated for cut Christmas trees.

- Acres on which berries were grown.

- Total acres grown and acres not harvested for individual berry crops.

- Sales of mushroom spawn.

Items listed separately on the 2007 report form that were reported in conjunction with similar crop items on the 2002 report form include:

- Horseradish was listed separately and is no longer included in Other vegetables.

- Total acres, acres harvested, and acres not harvested for boysenberries and currants were listed separately and no longer included in Other berries.

- Pluots were listed separately and are no longer included in Other noncitrus fruit.

- Chestnuts were listed separately and are no longer included in Other nuts.

- Pecans were divided into Pecans, improved and Pecans, native and seedling.

- Squash was divided into summer squash and winter squash.

- Cuttings, seedlings, liners, and plugs were listed as one item and are no longer included in Other nursery and greenhouse.

- Tobacco transplants were listed separately and are no longer included in Other nursery and greenhouse.

- Greenhouse vegetables were divided into greenhouse tomatoes and other greenhouse vegetables.

- Vegetable transplants were listed separately and are no longer included in Other nursery and greenhouse.

- Greenhouse fruits and berries were listed separately and are no longer included in Other nursery and greenhouse.

- Other floriculture and bedding plants were listed as an item and are no longer included in Other nursery and greenhouse.

Items combined with another item(s) on the 2007 report form that were reported individually on the 2002 report form include:

- Amaranth, foxtail millet seed, lotus root, mungbeans, redtop seed, salt hay, sweetclover seed, and sweet rice were included in other field crops.

- K-early citrus was included in Other citrus.

- Pimientos were included in Other vegetables.

- Mixed vegetables were included in Other vegetables.

Livestock and Poultry Data Changes

Deleted items include:

- Two hog and pig size groups within the 5,000 or more head category were deleted. In 2002 there were two additional sub-groups in the 5,000 or more category; 5,000 to 7,499 and 7,500 or more.

- Two broilers and other meat type chicken groups within the 500,000 or more category were deleted. In 2002 there were two sub-groups in the 500,000 or more category; 500,000 to 749,999 and 750,000 or more.

- Other fish.

Added items include:

- Horses and ponies owned by this operation.

- Alpaca inventory and number sold

Items listed individually in the 2007 report form that were reported in conjunction with similar livestock or poultry items on the 2002 report form include:

- Layers 20 weeks old and older for table and hatching eggs were divided into Table egg type layers, Hatching layers for meat-types, and hatching layers for table eggs.

- Turkeys were separated into Turkeys for slaughter and Turkey hens kept for breeding.

- Items combined with other item(s) on the 2007 report form that were reported individually on the 2002 report form include:

- Other fish were removed as a selection and the respondent must report in one of the fish categories listed.

Economic, Land Use, and Operator Characteristics Data Changes

Deleted items include:

- Acres of certified organically produced crops.

- Value of certified organically produced commodities sold.

- Whether the operator lives on an American Indian reservation.

- Computer use for the farm business.

Added items include:

- Acres used for organic production.

- Acres of organic crops harvested.

- Acres of organic pastureland.

- Total value of sales for crops produced and sold as organic.

- Total value of sales for livestock and poultry produced and sold as organic.

- Total value of sales for livestock and poultry products produced and sold as organic.

- Acres being converted to organic production.

- Sales of mushroom spawn.

- Whether the operator retired.

- Number of trucks, including pickups and the number manufactured in the last five years.

- Whether the operator is a hired manager for this operation.

- Household income of the principal operator.

- Practices relating to the operation: Whether the operation had high speed Internet access; Used 5,000 gallons of water any one day; Received irrigation water supplied by a U. S. Bureau of Reclamation project or facility; Generated energy or electricity on the farm; Used conservation farming methods; Practiced rotational or management intensive grazing; Rented grazing land on a per-head or animal unit per month (AUM) basis; Produced and sold value added crops, livestock, or products; Marketed products through a community supported agriculture (CSA) arrangement; Raised or sold veal calves; Raised or sold hair sheep or wool-hair crosses; or Had a barn that was built prior to 1960.

- Questions relating to use of American Indian Reservation land for production of crops and livestock, e.g. total acres used, acres of cropland harvested, and percent of operation's livestock on the reservation. In the 2002 census, these questions only appeared in the regional report form for 2002 census regions 8 and 10. Data are tabulated in the 2007 Census of Agriculture Specialty Products, Part 1, American Indian Reservations.

Items listed individually on the 2007 report form that were reported in conjunction with similar items on the 2002 report form include:

- Value of sales for grains, oilseeds, dry beans, and dry peas were divided into sales of Corn for grain, seed, or silage; Wheat; Soybeans; Sorghum for grain, seed, or silage; Barley; Rice; and Other crops.

- Other farm-related income was divided into Crop and livestock insurance payments received and other farm-related income.

- Other Federal farm program payments were divided into Direct payments, Counter-cyclical payments, Other Federal agricultural program payments, and State and local government agricultural program payments.

DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a detailed description of specific terms and phrases used in this publication. Items in the publication tables which carry the note ''See text'' also are explained. Report form section number references refer to the regional version. Many of the definitions and explanations are the same as those used in earlier censuses.

Acres and quantity harvested. Crops were reported in whole acres, except for the following crops that were reported in tenths of acres: tobacco, nursery and greenhouse crops in the open, vegetables including potatoes and sweet potatoes, fruit and nut crops including land in orchards, and berries; in Hawaii, taro and ginger root. Totals for crops reported in tenths of acres were rounded to whole acres at the aggregate level during the tabulation process. Nursery and greenhouse crops grown under glass or other protection were reported in square feet and are published in square feet.

If two or more crops were harvested from the same land during the year (double cropping), the acres were counted for each crop. Therefore, the total acres of all crops harvested generally exceeded the acres of cropland harvested. An exception to this procedure was hay crops.

When more than one cutting of hay was taken from the same acres, the acres were counted only once for the harvesting method but the quantity harvested includes all cuttings. Acreage cut and tons harvested for both dry hay and haylage, silage, or greenchop was reported for each crop. For interplanted crops or ''skip-row'' crops, acres were reported according to the portion of the field occupied, whether by a crop or whether it was idle land. If a crop was interplanted in an orchard or vineyard and harvested, then the entire orchard or vineyard acreage was reported under the appropriate fruit crop and the interplanted estimated crop acreage was reported under the appropriate crop.

If a crop was planted but not harvested, the acres were not reported as harvested. These acres were reported in the ''land'' section on the report form under the appropriate cropland items – cropland on which all crops failed or were abandoned, cropland in cultivated summer fallow, cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazed, or cropland used only for pasture or grazing. This does not include fruit and nut orchards, vineyards, berries, acres in production for cut Christmas trees, and acres in production for short rotation woody crops that were not harvested. Acreage in these commodities were included in cropland harvested whether the crop was harvested or not. Abandoned orchards were reported as cropland idle, not as harvested cropland, and the individual abandoned orchard crop acres were not reported.

Crops that were only hogged or grazed were reported as ''cropland used only for pasture or grazing.'' Crop residue left in fields after the 2007 harvest and later hogged or grazed was reported as cropland harvested and not as cropland used only for pasture or grazing.

Quantity harvested was not obtained for crops such as fruits and nuts, berries, vegetables and melons, and nursery and greenhouse crops.

Age of operator. See Farms by age and primary occupation of operator.

Agri-tourism and recreational services. See Total income from farm-related sources, gross before taxes and expenses.

Agricultural products sold directly to individuals for human consumption. See Value of agricultural products sold directly to individuals for human consumption.

All (multiple) operators. See Operator.

All haylage, grass silage, and greenchop (tons). See Haylage, grass silage, and greenchop, all.

All other production expenses. See Total farm production expenses.

Alpacas. This is a new item for 2007. In 2002 alpacas were reported as other livestock.

American Indian and Alaska Native farm operators, total. Data are reported in Chapter 1,

tables 54 through 57 and Chapter 2, table 51. In Chapter 1, table 54 data include farm characteristics for principal operator reporting one race only, table 55 data include farm characteristics reported for a maximum of three operators reporting American Indian or Alaska Native alone or in combination with other races, table 56 data are reported for principal operator only, table 57 include data for a maximum of three operators for those operators that reported only one race.

In Chapter 2, table 51 data are reported for a maximum of three operators reported in the operator characteristics section. The individual operators were added to the census mail list for most reservations. Those reservations that did not include all the individual operators on the census mail list were identified and the data for the entire reservation, including the data for the operators that would have met the definition of a farm, were collected on one report form. The count of reservations and the number of operators that were reported on these reservations are included in Appendix B, table D.

Amount from State and local government agricultural program payments. See Total income from farm-related sources, gross before taxes and expenses.

Amount from Conservation Reserve, Wetlands Reserve, Farmable Wetlands, and Conservation Reserve Enhancement Programs. See Land enrolled in the Conservation Reserve Program (CRP), Wetlands Reserve Program (WRP), Farmable Wetlands Program (FWP), or Conservation Reserve Enhancement Program (CREP).

Any poultry sold. The number of farms with any poultry sold includes all farms with sales of poultry, poultry hatched, or eggs.

Aquaculture. In the 2007 census the value of sales was tabulated for each specified species. In the 2002 census only total aquaculture value of sales was asked. Aquaculture is defined as the farming of fish, crustaceans, mollusks, and other aquaculture products. The aquaculture production reported in the census requires some form of intervention in the rearing process and requires inputs such as seeding, stocking, feeding, protection from predators, etc. It also requires ownership of the stock being cultivated and harvesting that is conducted in a controlled environment by the operation. The pounds sold, number sold, and value of sales include all sizes and eggs by species. The number and pounds sold and value of sales include aquaculture distributed for restoration, conservation, or recreational purposes, such as State and Federal hatcheries. Values based on sales of farm-raised fish were assigned to distributed fish.

Aquaculture value. See Aquaculture.

Artichokes (excluding Jerusalem). For 2007 the wording was changed to clarify that Jerusalem artichokes should be excluded. Data are comparable to 2002 artichoke data.

Asparagus, bearing age. For 2007, bearing age was added to the description for clarity. Data are comparable.

Bees. See Colonies of bees and honey collected.

Breeding livestock. See Total farm production expenses.

By economic class. See Economic class of farms.

Cattle on feed. Cattle on feed is defined as cattle and calves that were fed a ration of grain or other concentrates that will be shipped directly from the feedlot to the slaughter market and are expected to produce a carcass that will grade select or better. This category excludes cattle that were pastured only, background feeder cattle, and veal calves.

Cattle on feed sold. Data are for cattle on feed sold that weighed 500 pounds or more and were shipped directly from the feedlot to the slaughter market. This category excludes cattle that were pastured only, owned cattle that were shipped from feedlots operated by others, background feeder cattle, and veal calves.

Chemicals applied. For each type of chemical used, the acres treated were reported only once even if the acres were treated more than once. If multi-purpose

chemicals were used, the acres treated for each purpose were reported. See Total farm production expenses; Chemicals.

Cherries. Cherries were reported as either sweet cherries or tart cherries. Combined crops or non-specified cherry acres were not options for the respondent. Total acres, bearing age acres, and nonbearing age acres were reported for each crop.

Chestnuts. This is a new item for 2007. In 2002 data were included in other nut trees. See Other nuts.

Christmas trees, cut. Data are for acres of Christmas trees - cut or to be cut - in production, acres irrigated, and number of trees cut. Sales data are included in the Cut Christmas trees and short rotation woody crops category. In 2002, acres irrigated were not collected.

Christmas trees, live. Data were reported as nursery stock and include Christmas trees sold live, generally balled and burlapped, from the operation.

Citrus enumeration. Reports for selected citrus caretakers in Arizona, Florida, and Texas were obtained by direct enumeration. A citrus caretaker is an organization or person caring for or managing citrus groves for others. This special enumeration has been conducted since 1969 because of the difficulty identifying and enumerating absentee grove owners who often do not know the information that is needed to adequately complete the report form.

Enumeration activities were completed after harvest to facilitate the accuracy of reported data. Grove owners were counted as operators for farm count purposes. Citrus caretakers were perceived as performing an agricultural service for grove owners and were not considered agricultural operators if they provided only services to grove owners. Caretakers were counted as agricultural operators if they made day-to-day decisions for their own operation in addition to providing services for grove owners. Data provided by caretakers were prorated to owners based on acreage and were transcribed onto the respective owner's census report form.

Coffee. Data were collected only in Hawaii. In 2007, data for total acres, bearing age acres, and nonbearing age acres were collected.

Colonies of bees. Colonies of bees were tabulated in the county where the largest value of all agricultural products were raised or produced. Colonies are often moved from farm-to-farm over a wide geographic area. Package bees are not included as separate colonies. In 2007 colonies of bees were collected in their own section to clarify to respondents that only "owned" colonies were to be reported versus any colonies on the operation.

Commodities raised and delivered under production contracts. A production contract is an agreement between a producer or grower and a contractor (integrator) setting terms, conditions, and fees to be paid by the contractor to the operation for the production of crops, livestock, or poultry. The grower receives a payment or fee from the contractor, generally after delivery, which is less than the full market price of the commodity. A production contract involves the shifting of some risk and control from the grower to the contractor. Marketing contracts, futures contracts, forward contracts, or other contracts based strictly on price are not considered production contracts. Commodities sold to a co-op where some of the input items were purchased from the same co-op at a discount price were also excluded. Many operations produce commodities only under production contracts or only independently. Some operations may produce a commodity under production contract and also produce more of the same commodity that they sell independently. Both types of production are combined as one value in the tables for total inventories and total sales.

Custom fed cattle shipped directly for slaughter. In 2002, data were collected for custom fed cattle. Many respondents reported cattle that were not shipped directly to slaughter such as veal or background feeder cattle. For 2007, the report form text was improved to specify custom fed cattle shipped directly for slaughter. Cattle not shipped directly to slaughter were reported in the Other cattle, livestock, poultry, or aquaculture category. Data are not comparable for custom fed cattle shipped directly to slaughter or Other cattle,

livestock, poultry, or aquaculture categories.

Other cattle, livestock, poultry, or aquaculture. The data for commodities raised and delivered under a production contract include cattle which were not custom fed and shipped directly to slaughter (backgrounding), livestock and poultry not listed separately, and aquaculture products. For 2007, the report text was improved to specify custom fed cattle shipped directly for slaughter. Cattle not shipped directly to slaughter are reported as Other cattle, livestock, poultry, or aquaculture. In 2002, some cattle not shipped directly to slaughter were reported as custom fed cattle. Data are not comparable with 2002 for Custom fed cattle shipped directly to slaughter or Other cattle, livestock, poultry, or aquaculture categories.

Vegetables, melons, and potatoes. This category is the number of farms that produced and delivered vegetables, melons, and potatoes grown under a production contract.

Other crops. Data are for the total number of farms that have production contracts for other crops. This category includes all crops except grains, oilseeds, vegetables, melons, and potatoes.

Commodity Credit Corporation loans. This category includes nonrecourse marketing loans for wheat, corn, sorghum, barley, oats, cotton, rice, soybeans, Austrian winter peas, honey, dry peas, lentils, small chickpeas, peanuts, sunflower seed, flaxseed, canola and other rapeseed, safflower, mustard seed, crambe and sesame seed, and mohair. These commodities differ from those included in the 2002 census due to changes created by the 2007 Farm Bill.

Crop and livestock insurance payments received. See Total income from farm-related sources, gross before taxes and expenses.

Crop units of measure. The regional report forms allowed the operator to report the quantity of field crops harvested in a unit of measure commonly used in the region. When the operator reported in units different than the unit of measure published, the quantity harvested was converted to the published unit of measure.

Crop year or season covered. Acres and quantity harvested are for the calendar year 2007 except for citrus crops and sugarcane for sugar; limes in region three States; avocados in Florida and California; olives in California and Arizona; and pineapples and coffee in Hawaii.

1. Avocados. The data for Florida relate to the quantity in the April 2007 through March 2008 harvest season; for California and Arizona, the November 2006 through November 2007 harvest season.
2. Citrus crops. The data for region three relate to the quantity harvested in the September 2006 through August 2007 harvest season, except limes in Florida that were harvested in the April 2007 through March 2008 harvest season. The data for California and Arizona relate to the 2006 through 2007 harvest season. The data for limes relate to the April 2007 through March 2008 harvest season.

3. Olives. The data for California and Arizona relate to the September 2006 through March 2007 harvest season.

4. Pineapples. The data for Hawaii relate to the quantity harvested in the year ending May 31, 2007.

5. Sugarcane for sugar. The data for Florida, Louisiana, and Texas relate to the cuttings from September 2007 through April 2008.

Cropland, harvested. See Harvested cropland.

Cropland, irrigated. See Irrigated land.

Cropland idle or used for cover crops or soil improvement, but not harvested and not pastured or grazed. Cropland idle includes any other acreage which could have been used for crops without any additional improvement and which was not reported as cropland harvested, cropland on which all crops failed, cropland in summer fallow, or cropland used for pasture or grazing. This category includes:

1. Land used for cover crops or soil improvement but not harvested or grazed.

2. Land in Federal or State conservation programs that was not hayed or grazed in 2007.

3. Land in Federal or State conservation programs that were planted to trees for future harvest timber, pulp, or Christmas trees.

4. Land occupied with growing crops for harvest in 2008 or later years but not harvested or summer fallowed in 2007 (except fruit or nuts in an orchard, grove, or vineyard being maintained for production). Examples are acreage planted in winter wheat, strawberries, etc., for harvest in 2008 and no crop was harvested from these acres in 2007.

5. Land in "skipped" rows between rows of crops or field strips.

Cropland, other. See Other cropland.

Cropland, total. See Total cropland.

Cropland used only for pasture or grazing. This category includes land used only for pasture or grazing that could have been used for crops without additional improvement. Also included were acres of crops hogged or grazed but not harvested prior to grazing. However, cropland that was pastured before or after crops were harvested in 2007 was included as harvested cropland rather than cropland for pasture or grazing.

Crustaceans. These are invertebrate animals with jointed legs and a hard shelled segmented body. Examples include crawfish, lobster, prawns, shrimp, and softshell crabs.

Custom fed cattle shipped directly for slaughter. See Commodities raised and delivered under production contract.

Customwork and custom hauling. See Total farm production expenses.

Customwork and other agricultural services. See Total income from farm-related sources, gross before taxes and expenses.

Cuttings, seedlings, liners, and plugs. This is a new item for 2007. In 2002 data were included in other nursery and floriculture. See Nursery, greenhouse, floriculture, and sod.

Cut Christmas trees. See Christmas trees, cut.

Data are based on sample of farms. For censuses from 1978 through 2002, selected data items were collected from only a sample of farms. These data were subject to sampling error. For the 2007 census there was no sampling.

Depreciation expenses claimed. The calculation of total farm production expenses does not include depreciation because it is a capital expense. Depreciation allows the expensing of capital purchases over multiple years. It is not included in the calculation of Net cash farm income of the operation and operator.

Ducks, geese, and other poultry species. Data are the number of farms that had inventory of ducks, emus, geese, ostriches, pheasants, pigeons or squab, quail, and other poultry sold. Other poultry are those poultry not having a specific code on the report form. Data are comparable.

Ducks, geese, and other poultry species sold. Data are the number of farms that sold ducks, emus, geese, ostriches, pheasants, pigeons or squab, quail, and other poultry sold. Other poultry are those poultry not having a specific code on the report form. Data are comparable.

Expenses. See Total farm production expenses.

Economic class of farms. Economic class data are the classification of farms by the sum of market value of agricultural products sold and federal farm program payments. See Total market value of agricultural products sold and government payments.

Farm or ranch operator. See Operator characteristics.

Farm typology. The Economic Research Service (ERS), an agency of the United States Department of Agriculture, has established typology of farms to group farms by similar characteristics. This census is the first to include data cross-tabulated by the

eight farm typology categories. There are two major groupings of farms, small family farms with sales of less than $250,000, and other farms. The small family farm group is divided into 5 subcategories, described below:

1. Limited-resource farms have market value of agricultural products sold gross sales of less than $100,000, and total principal operator household income of less than $20,000.

2. Retirement farms have market value of agricultural products sold of less than $250,000, and a principal operator who reports being retired.

3. Residential/lifestyle farms have market value of agricultural products sold of less than $250,000, and a principal operator who reports his/her primary occupation as other than farming.

4. Farming occupation/lower-sales farms have market value of agricultural products sold of less than $100,000, and a principal operator who reports farming as his/her primary occupation.

5. Farming occupation/higher-sales farms have market value of agricultural products sold of between $100,000 and $249,999, and a principal operator who reports farming as his/her primary occupation.

Other farms are subdivided into three subcategories, described below:

1. Large family farms have market value of agricultural products sold between $250,000 and $499,999.

2. Very large family farms have market value of agricultural products sold of $500,000 or more.

3. Nonfamily farms are farms organized as nonfamily corporations, as well as farms operated by hired managers.

Farms by age and primary occupation of operator. Data on age and primary occupation were obtained from up to three operators per farm in 2007. When compared with 2002 results, the average age of farmers increased significantly. Older operators may be "retired" (with little if any sales) and still report farming as their primary occupation since they often have limited opportunity for off-farm jobs. See Primary occupation of the operator.

Farms by combined government payments and market value of agricultural products sold. This category represents the value of products sold plus government payments. Total value of products sold combines total sales not under production contract and total sales under production contract. Government payments consist of government payments received from the Conservation Reserve Program (CRP), Wetlands Reserve Program (WRP), Farmable Wetlands Program (FWP), or Conservation Reserve Enhancement Program (CREP) plus government payments received from Federal, State, and local programs other than the CRP, WRP, FWP, and CREP, and Commodity Credit Corporation loans. See Total market value of agricultural products sold and government payments.

Farms by economic class. See Economic class of farms and Total market value of agricultural products sold and government payments

Farms by North American Industry Classification System (NAICS). The NAICS classifies economic activities. It was jointly developed by Mexico, Canada, and the U.S. NAICS makes it possible to produce comparable industrial statistics for Mexico, Canada, and the U.S. For the 2007 census, all agricultural production establishments (farms, ranches, nurseries, greenhouses, etc.) were classified by type of activity or activities using the NAICS code. The 2007 census is the third census to use NAICS. Censuses prior to the 1997 census used the old Standard Industrial Classification (SIC) system to classify farms.

NAICS was developed to provide a consistent framework for the collection, analysis, and dissemination of industrial statistics used by government policy analysts, academia and researchers, the business community, and the public. It is the first industry classification system developed in accordance with a single principle of aggregation that production units using similar production

processes should be grouped together. Though NAICS differs from other industry classification systems, statistics compiled on NAICS are comparable with statistics compiled according to the latest revision of the United Nations' International Standard Industrial Classification, Revision Three, (ISIC, Revision 3) for some sixty high level groupings. Following are explanations of the major classifications used in 2007.

Oilseed and grain farming (1111). Comprises establishments primarily engaged in (1) growing oilseed and/or grain crops and/or (2) producing oilseed and grain seeds. These crops have an annual life cycle and are typically grown in open fields. This category includes corn silage and grain silage. In the 2007 census, government-payment only farms were classified as "All other crop farming" (11199). In the 1997 census, government-payment only farms were coded as "All other grain farming (11119)."

Vegetable and melon farming (11121). Comprises establishments primarily engaged in one or more of the following: (1) growing vegetables and/or melon crops, (2) producing vegetable and melon seeds, and (3) growing vegetable and/or melon bedding plants.

Fruit and tree nut farming (1113). Comprises establishments primarily engaged in growing fruit and/or tree nut crops. These crops are generally not grown from seeds and have a perennial life cycle.

Greenhouse, nursery, and floriculture production (1114). Comprises establishments primarily engaged in growing crops of any kind under cover and/or growing nursery stock and flowers. ''Under cover'' is generally defined as greenhouses, cold frames, cloth houses, and lath houses. Crops grown are removed at various stages of maturity and have annual and perennial life cycles. The category includes short rotation woody crops and Christmas trees that have a growing and harvesting cycle of 10 years or less.

Other crop farming (1119). Comprises establishments primarily engaged in (1) growing crops such as tobacco, cotton, sugarcane, hay, sugarbeets, peanuts, agave, herbs and spices, and hay and grass seeds, or (2) growing a combination of the valid crops with no one crop or family of crops accounting for one-half of the establishment's agricultural production (value of crops for market). Crops not included in this category are oilseeds, grains, vegetables and melons, fruits, tree nuts, greenhouse, nursery and floriculture products.

All other crop farming (11199). Comprises establishments primarily engaged in (1) growing crops (except oilseeds and/or grains; vegetables and/or melons; fruits and/or tree nuts; greenhouse, nursery, and/or floriculture products; tobacco; cotton; sugarcane; or hay) or (2) growing a combination of crops (except a combination of oilseed(s) and grain(s)); and a combination of fruit(s) and tree nut(s) with no one crop or family of crops accounting for one-half of the establishment's agricultural production.

Beef cattle ranching and farming (112111). Comprises establishments primarily engaged in raising cattle (including cattle for dairy herd replacements). Pastureland-only farms, those with only 100 or more acres of pastureland, were classified as "All other animal production farming (11299)."

Cattle feedlots (112112). Comprises establishments primarily engaged in feeding cattle for fattening.

Dairy cattle and milk production (112120). This industry comprises establishments primarily engaged in milking dairy cattle.

Poultry and egg production (1123). This industry group comprises establishments primarily engaged in breeding, hatching, and raising poultry for meat or egg production.

Sheep and goat farming (1124). This industry group comprises establishments primarily engaged in raising sheep, lambs, and goats, or feeding lambs for fattening.

Animal aquaculture (1125). Comprises establishments primarily engaged in the farm raising of finfish, shellfish, or any other kind of animal aquaculture. These establishments use some form of intervention in the rearing process to enhance production, such as holding in captivity, regular stocking, feeding, and protecting from predators.

Other animal production (1129). Comprises establishments primarily engaged in raising animals and insects (except cattle, hogs and pigs, poultry, sheep and goats, and aquaculture) for sale or product production. These establishments are primarily engaged in one of the following: bees, horses and other equine, rabbits and other fur-bearing animals, etc, and producing products such as honey and other bee products. Establishments primarily engaged in raising a combination of animals with no one animal or family of animals accounting for one-half of the establishment's agricultural production are included in this industry group. Farms with only 100 acres or more of pastureland were classified as "All other animal production farming (11299)."

Farms by number of households sharing in net income of farm. Data were reported by the principal operator only. Households that received funds because they were only landlords, custom equipment operators, or provided other production services were not included. Published data can exceed the number of operators listed under Operators, all.

Farms by size. All farms were classified into size groups according to the total land area in the farm. The land area of a farm is an operating unit concept and includes land owned and operated as well as land rented from others. Land rented to or assigned to a tenant was considered part of the tenant's farm and not part of the owner's.

Farms by tenure of operator. All farms were classified by tenure of operators. The classifications used were:

- Full owners operated only land they owned.
- Part owners operated land they owned and also land they rented from others.
- Tenants operated only land they rented from others or worked on shares for others.

Farms with hired managers are classified according to the land ownership characteristics reported. For example, a corporation owns all the land used on the farm and hires a manager to run the farm. The hired manager is considered the farm operator, and the farm is classified with a tenure type of "full owner" even though the hired manager owns none of the land he/she operates.

Farms by value of sales. See Market value of agricultural products sold.

Farms by type of organization. All farms were classified by type of organization in the 2007 census. The classifications used were:

1. Family or individual (sole proprietorship), excluding partnership and corporation.
2. Partnership, including family partnership – in selected tables, partnership was further subclassified into:
   a. Registered under State law.
   b. Not registered under State law.
3. Corporation, including family corporations - in selected tables, partnership was further subclassified into:
   a. Family held or other than family held.
   b. More than 10 stockholders.
4. Other, cooperative, estate or trust, institutional, etc.

Farms or farms reporting. The terms ''farms'' and ''farms reporting'' in the presentation of data are equivalent. Both represent the number of farms reporting the item. For example, if there are 3,710 farms in a State and 842 of them had 28,594 cattle and calves, the data for those farms reporting cattle and calves would appear as:

Cattle and calves farms 842
number . . . 28,594

Farms with sales and government payments of less than $1,000. This category includes farms with combined sales and government payments of less than $1,000 but having the potential for sales of $1,000 or more. In this category, government payments were included in calculating that potential. It provides information on all items for farms that normally would be expected to sell agricultural products of $1,000 or more but had sales and government payments of less than $1,000.

Farms with sales of less than $1,000. This category includes farms with sales of less than $1,000 but having the potential for sales of $1,000 or more. Some of these farms had no sales in the census year. It provides information on all report form items for farms that normally would be expected to sell agricultural products of $1,000 or more.

Fertilizer. See Total farm production expenses; Fertilizer, lime, and soil conditioners.

Floriculture crops. Data represent total of bedding/garden plants, cut flowers and cut florist greens, foliage plants, potted flowering plants, and other floriculture and bedding plants.

Field and grass seed crops, all. Data are for all the field and grass seed crops not published as field crops and include other field crops which did not have a specific code on the 2007 report form.

Forage - land used for all hay and all haylage, grass silage, and greenchop. Data shown represent the area harvested with each acre counted only once if dry hay, haylage, grass silage, or greenchop were cut from the same acreage or if there were multiple cuttings of dry hay, haylage, grass silage, or greenchop. Data exclude corn silage and sorghum silage. Quantity produced is the sum of the quantity harvested of all hay including alfalfa, other tame, small grain, and wild hay and all haylage, grass silage and greenchop after converting the all haylage, grass silage, and greenchop quantity harvested to a dry equivalent basis (13-percent moisture). The green tons of all haylage, grass silage, and greenchop harvested were multiplied by a factor of 0.4943 to convert to a dry equivalent. This conversion factor is based on the assumption that one ton of dry hay is 0.87 ton of dry matter, one ton of haylage or grass silage is 0.45 ton dry matter, and one ton of greenchop is 0.25 ton dry matter. The all haylage, grass silage, and greenchop quantity harvested is assumed to be comprised of 90-percent haylage and grass silage and 10-percent greenchop. Therefore, the conversion factor used to adjust all haylage, grass silage, and greenchop quantity harvested to a dry equivalent basis =
[(0.45*0.9)+(0.25*0.1)]/0.87 = 0.4943.

Fruits and nuts. Total acres, bearing age acres, and nonbearing age acres were collected.

Ginseng. In 2007 ginseng acres are included in the vegetable acres. In 2002 ginseng harvested, irrigated harvested acres, and production were included in the acres for field crops. Total vegetable acres are not directly comparable.

Government payments. This category consists of direct payments as defined by the 2002 Farm Bill; payments from Conservation Reserve Program (CRP), Wetlands Reserve Program (WRP), Farmable Wetlands Program (FWP), and Conservation Reserve Enhancement Program (CREP); loan deficiency payments; disaster payments; other conservation programs; and all other federal farm programs under which payments were made directly to farm operators. Commodity Credit Corporation (CCC) proceeds, amount from State and local government agricultural program payments, and federal crop insurance payments were not tabulated in this category.

Grain and bean combines. In the 2007 and 2002 censuses, data were collected for self-propelled combines only.

Grain storage capacity. Data include the capacity of all storage structures on the operation normally used to store whole grains and oilseeds. These structures can be bins, silos, buildings, trailers, etc. The capacity or usage of any off-farm public or commercial storage facilities was excluded.

Grains, oilseeds, dry beans, and dry peas sales. Data are for the total market value of cash grains sold, including corn for grain, seed, or silage; wheat for grain; soybeans for beans; sorghum for grain, seed, or silage; barley for grain; rice; oats for grain; and other grains. Also included is the total market value of cash oilseeds sold, including sunflower seed (oil and non-oil), flaxseed, canola, rapeseed, safflower seed, mustard seed, dry beans, and dry peas.

Greenhouse fruits and berries. This is a new item for 2007. Data include strawberries, raspberries, etc. grown in greenhouses and high tunnels where the crops were always covered. In 2002, data were

included in Other nursery and greenhouse crops. See Nursery, greenhouse, floriculture, and sod.

Greenhouse tomatoes. This is a new item for 2007. In 2002, data were included in greenhouse produced vegetables. See Total greenhouse vegetables and fresh cut herbs.

Gross cash rent or share payments. See Total income from farm-related sources, gross before taxes and expenses.

Harvested cropland. This category includes land from which crops were harvested and hay was cut, land used to grow short-rotation woody crops and land in orchards, citrus groves, Christmas trees, vineyards, nurseries, and greenhouses. Land from which two or more crops were harvested was counted only once. Land in tapped maple trees was included in woodland not pastured. The 2007 census definition for harvested cropland is the same as the 2002 definition.

Hay - all hay including alfalfa, other tame, small grain, and wild. Data shown represent the acreage and quantity harvested of all types of dry hay. The quantity harvested was reported in dry tons (dry weight at the time the hay was removed from the field for storage or feeding). If two or more cuttings of dry hay were made from the same field, the acreage was reported only once as acres harvested of the appropriate dry hay category, but the production from all cuttings was combined in the corresponding quantity harvested. Straw acreage and production is excluded.

If dry hay was cut from the same land that haylage, grass silage, or greenchop was cut, the acreage and production for the dry hay was reported in the appropriate category of dry hay and the acreage and production for haylage, grass silage, or greenchop was reported in the appropriate haylage, grass silage, or greenchop category. For example, if 20 acres of alfalfa were cut for hay and then the same land was used to produce alfalfa haylage, 20 acres and the quantity harvested of hay were reported as Alfalfa and alfalfa mixtures for dry hay and 20 acres and the quantity harvested of alfalfa haylage were reported as Haylage or greenchop from alfalfa or alfalfa mixtures.

Hay, other tame dry hay. Data shown represent acreage and dry tons of hay harvested from clover, fescue, lespedeza, timothy, Bermuda grass, Sudangrass, sorghum hay, and other types of legumes (excluding alfalfa) and tame grasses (excluding small grains).

Hay, wild dry. Data shown represent acreage and dry tons of hay harvested that was predominately wild or native grasses, even if it had some fill-in seeding of other grasses.

Haylage, grass silage, and greenchop, all. Data shown represent the acreage and quantity harvested of all types (alfalfa and all other). The quantity harvested was reported in green tons. If two or more cuttings of haylage, grass silage, or greenchop were made from the same field, the acreage was reported as acres harvested in the appropriate haylage category only once, and the tonnage from all cuttings was combined in the corresponding quantity harvested. Straw acreage and production is excluded.

Hired farm labor. Data are for total hired farm workers, including paid family members, by number of days worked. Data exclude contract laborers.

Hogs and pigs by type of operation. In the 2007 census, hog and pig farms were classified by primary type of operation. Operation types were farrow to wean, farrow to feeder, farrow to finish, nursery, finish only, and other. Each description was accepted and the reported inventory and sales data were assigned to each reported type. In 2002 a respondent could select more than one operation type. Data are not comparable.

Hogs and pigs by type of producer. In the 2007 census, hog and pig farms were classified by one type of producer in 2007. Producer types were independent grower, contractor or integrator, and contract grower (contractee). Each description was accepted and the reported inventory and sales data were assigned to each reported type. In 2002 a respondent could select more than one producer type. Data are not comparable.

Honey collected. Data are for pounds of honey produced but not necessarily sold.

Horseradish. This is a new item for 2007. Data are for total acres harvested, acres harvested for fresh market, and acres harvested for processing. In 2002, horseradish was reported as other vegetables.

Income. Net cash farm income is published for the operation and operator. The difference between net cash income and net cash returns is that net cash returns does not include government payments and other farm-related income as income. See Net cash farm income of the operations and Net cash farm income of the operators.

Income from farm-related sources. See Total income from farm-related sources, gross before taxes and expenses.

Institutional, research, experimental, and American Indian Reservation farms. Data for these farms are combined into a single category. Research farms include farms operated by private companies as well as those operated by universities, colleges, and government organizations for the purpose of expanding agricultural knowledge.

Irrigated land. This category includes all land watered by any artificial or controlled means, such as sprinklers, flooding, furrows or ditches, sub-irrigation, and spreader dikes. Included are supplemental, partial, and preplant irrigation. Each acre was counted only once regardless of the number of times it was irrigated or harvested. Livestock lagoon waste water distributed by sprinkler or flood systems was also included.

Land area, approximate. The approximate land area represents the total land area as determined by records and calculations as of January 1, 2007. The 2007 area values differ from 2002 because of the improved accuracy of spatial data. The proportion of land area in farms may exceed 100-percent because some operations have land in two or more counties, but all acres are tabulated in the principal county of operation. The approximate land area data were supplied by the U.S. Department of Commerce, Bureau of the Census. See Land in two or more counties.

Land enrolled in crop insurance programs. The data are for all land enrolled in any Federal, private, or other crop insurance program. It includes acreage of pasture/rangeland enrolled in crop insurance programs in areas where it is provided. Data are comparable with 2002.

Land enrolled in the Conservation Reserve Program (CRP), Wetlands Reserve Program (WRP), Farmable Wetlands Program (FWP), or Conservation Reserve Enhancement Program (CREP). CRP is a program established by the USDA in 1985 that takes land prone to erosion out of production for 10 to 15 years and devotes it to conservation uses. In return, farmers receive an annual rental payment for carrying out approved conservation practices on the conservation acreage. The WRP, FWP, and CREP programs are included under the CRP program that offers landowners financial incentives for conservation practices.

For the 2007 census, operations with land enrolled in the CRP, WRP, FWP, or CREP were counted as farms, given they received $1,000 or more in government payments, even if they had no sales and otherwise lacked the potential to have $1,000 or more in sales. 2002 data may not include FWP or CREP acreage so data are not directly comparable.

Land in berries. This is a new item for 2007. Data are for total land in berries. Respondents also reported harvested acres and not harvested acres by individual berry crops. In 2002, only harvested acreage was collected.

Land in farms. The acreage designated as ‘‘land in farms’’ consists primarily of agricultural land used for crops, pasture, or grazing. It also includes woodland and wasteland not actually under cultivation or used for pasture or grazing, provided it was part of the farm operator’s total operation. Large acreages of woodland or wasteland held for nonagricultural purposes were deleted from individual reports during the edit process. Land in farms includes CRP, WRP, FWP, and CREP acres.

Land in farms is an operating unit concept and includes land owned and operated as well as land rented from others. Land used rent free was reported as land rented from others. All grazing land, except land used under government permits on a per-head basis, was included as ‘‘land in farms’’ provided it

was part of a farm or ranch. Land under the exclusive use of a grazing association was reported by the grazing association and included as land in farms. All land in American Indian reservations used for growing crops, grazing livestock, or the potential of grazing livestock was included as land in farms. Land in reservations not reported by reservation, individual American Indians or non-Native Americans was reported in the name of the cooperative group that used the land. In many instances, an entire American Indian reservation was reported as one farm.

Land in orchards. This category includes land in bearing age and nonbearing age fruit trees, citrus or other groves, vineyards, and nut trees of all ages, including land on which all fruit crops failed. Respondents also reported bearing age acres and nonbearing age acres by individual fruit and nut crops. Respondents were instructed not to report abandoned plantings and plantings of fewer than 20 total fruit, citrus, or nut trees or grapevines.

Land in two or more counties. With few exceptions, the land in each farm was tabulated as being in the operator's principal county. The principal county was defined as the one where the largest value of agricultural products was raised or produced. It was usually the county containing all or the largest proportion of the land in the farm or viewed by the respondent as his/her principal county. Reports received showing land in more than one county were separated into two or more reports if the data would substantially distort county totals.

Land in vegetables. Data are for the total land used for vegetable and melon crops. The acres were reported only once, even though two or more harvests of a vegetable or more than one vegetable were harvested from the same acres. In 2007, ginseng, potatoes, and sweet potatoes are included in land used for vegetables. In 2002, these acres were included in field crops. Data are not directly comparable.

Land used for organic production. See Total acres used for organic production.

Land used for vegetables. See Land in vegetables.

Landlord's share of the total sales. Data represent the share of the operation's total sales that went to landlord(s).

Layers. This category includes table-egg type layers, hatching layers for meat-types, and hatching layers for table egg types. In 2002, this category was referred to as Layers 20 weeks and older. This is a wording change only; data are comparable.

Layers inventory. See Layers.

Layers sold. See Layers.

Less than $1,000. See Farms with sales and government payments of less than $1,000.

Livestock and poultry purchased or leased. See Total farm production expenses; *Livestock and poultry purchased or leased*.

Maple syrup. Data are for the number of taps set and syrup produced.

Market value of agricultural products sold. This category represents the gross market value before taxes and production expenses of all agricultural products sold or removed from the place in 2007 regardless of who received the payment. It is equivalent to total sales and it includes sales by the operators as well as the value of any shares received by partners, landlords, contractors, or others associated with the operation. It includes value of direct sales and the value of commodities placed in the Commodity Credit Corporation (CCC) loan program. Market value of agricultural products sold does not include payments received for participation in other federal farm programs. Also, it does not include income from farm-related sources such as customwork and other agricultural services, or income from nonfarm sources.

The value of crops sold in 2007 does not necessarily represent the sales from crops harvested in 2007. Data may include sales from crops produced in earlier years and may exclude some crops produced in 2007 but held in storage and not sold. For commodities such as sugarbeets and wool sold through a co-op that made payments in several installments, respondents were requested to report the total value received in 2007.

The value of agricultural products sold was requested of all operators. If the operators failed to report this information, estimates were made based on the amount of crops harvested, livestock or poultry inventory, or number sold. Caution should be used when comparing sales in the 2007 census with sales reported in earlier censuses. Sales figures are expressed in current dollars and have not been adjusted for inflation or deflation. See Farms with sales and government payments of less than $1,000.

Market value of agricultural products sold and government payments. See Total market value of agricultural products sold and government payments.

Migrant farm labor on farms with hired labor. Operators were asked whether any hired or contract workers were migrant workers. A migrant farm worker is a farm worker whose employment required travel that prevented the worker from returning to his/her permanent place of residence the same day.

Migrant farm labor on farms reporting only contract labor. Data are for those operations that did not have hired farm workers but reported that they did have migrant contract workers on their operation in 2007.

Misreported or miscoded crops. In a few cases, data may have been reported on the wrong line, in the wrong section, or the wrong crop code may have been assigned to a write-in crop code. A few of these errors may not have been identified and corrected during processing which resulted in rare cases of inaccurately tabulated data. Reports with significant acres of unusual crops for the area were examined to minimize the possibility that they were in error.

Mollusks. These are invertebrate animals with a soft body covering and shells of 1-18 parts or sections. Examples include abalones, clams, mussels, oysters, and snails. See Aquaculture for more information on production reported on the census.

More than one race reported. This category represents those operators who chose to report more than one race on the census form.

Mushroom spawn. This is a new item for 2007. Respondents reported only sales; growing area was not summarized.

Mushrooms. All mushroom crops were considered grown under glass or other protection and no mushroom data were published as area in the open. Those reporting mushrooms grown in the open area were converted to an equivalent area of square feet under protection.

NAICS. See Farms by North American Industry Classification System (NAICS).

Net cash farm income of the operations. This concept is derived by subtracting total farm expenses from total sales, government payments, and other farm-related income. Depreciation is not used in the calculation of net cash farm income. Net cash farm income of the operation includes the value of commodities produced under production contract by the contract growers.

For publication purposes, farms are divided into two categories:

1. Farms with net gains (includes those operations that broke even).

2. Farms with net losses.

Net cash farm income of the operators. This value is the operators' total revenue (fees for producing under a production contract, total sales not under a production contract, government payments, and farm-related income) minus total expenses paid by the operators. Net cash farm income of the operator includes the payments received for producing under a production contract and does not include value of commodities produced under production contract by the contract growers. Depreciation is not used in the calculation of net cash farm income.

For publication purposes, farms are divided into two categories:

1. Farms with net gains (includes those operations that broke even).

2. Farms with net losses.

Noncitrus fruit, all. This is a summation of all acres reported in the commodities defined as noncitrus such as apples, grapes, and plums.

Noncitrus fruit, other. See other noncitrus fruit.

Nursery, greenhouse, floriculture and sod. In the 2007 census, individual data were collected for area under glass or other protection, area in the open, and sales of aquatic plants; bulbs, corms, rhizomes, and tubers; cuttings, seedlings, liners, and plugs; floriculture crops; flower seeds; greenhouse fruits and berries; total greenhouse vegetables and fresh cut herbs; mushrooms; mushroom spawn; nursery stock; other nursery crops; sod harvested; tobacco transplants; vegetable seeds; and vegetable transplants. Total sales data are the summation of all crops. In the 2002 census, mushroom spawn were not included so total sales data are not directly comparable. Also, in the 2002 census, individual crops sales data were not collected.

Nuts, all. Data include all nut trees. In 2002, the report form category Other fruit and nuts was used in some regions. Some nut trees were reported in this category. The data for all nut trees for 2002 cannot be summarized so data are not comparable.

Occupation. See Primary occupation of operator and/or Farms by age and primary occupation of operator.

Operator. The term operator designates a person who operates a farm, either doing the work or making day-to-day decisions about such things as planting, harvesting, feeding, and marketing. The operator may be the owner, a member of the owner's household, a hired manager, a tenant, a renter, or a sharecropper. If a person rents land to others or has land worked on shares by others, he/she is considered the operator only of the land which is retained for his/her own operation. The census collected information on the total number of operators, the total number of women operators, and demographic information for up to three operators per farm.

Operator characteristics. Operators (up to three operators per farm) were asked to report primary occupation, sex, age, race, place of residence, if retired, number of days worked off farm, year in which his/her operation of the farm began, hired manager, number of persons living in the operators' households, and Spanish, Hispanic, or Latino origin. Information on the total number of operators and total number of women operators was collected from each operation. In addition, the principal operator was asked to report the percentage of total household income that came from the farm operation.

Operators of Spanish, Hispanic, or Latino origin. See Spanish, Hispanic, or Latino origin.

Operators, number. Demographic and other information were collected for up to three operators per farm - the principal operator plus up to two additional operators. This may be fewer than the total operators on some farms. Demographic data for up to three operators reported are presented separately for women, by race categories, and for Spanish, Hispanic, or Latino origin.

Operators, total. The data represent the total reported number of operators for the operation.

Operators, total women. The data represent the total number of women operators reported for the operation.

Oranges, all. All oranges are a summation of Valencia oranges and Other oranges. Total acres, bearing acres, and nonbearing acres were collected by category.

Oranges, other. See Other oranges.

Organic agriculture. See Total acres used for organic production and Total organic product sales.

Ornamental fish. This category includes various fish raised for water gardens, aquariums, etc. Examples include angel fish, guppies, koi, ornamental goldfish, and tropical fish. In the 2007 census the value of sales was tabulated for each specified species. In the 2002 census only total aquaculture value of sales was asked.

Other animals and other animal products sold. This category includes the number of farms and value of all animals and animal products not having specific codes on the 2007 report form.

Other aquaculture products. In the 2007 census, examples include the production of alligators, frogs, leeches, eels, live rock, salamanders and turtles. Data are not comparable with the 2002 census since other fish were listed separately on the 2002 report form and in 2007 it is included in other aquaculture products.

Other cattle. In the 2007 census, data include heifers that have not calved, steers, calves, and bulls.

Other cattle, livestock, poultry, or aquaculture. See Commodities raised and delivered under production contract.

Other citrus. In the 2007 census, data relate to any citrus crop not having a specific code on the report form. For 2007 data includes K-early citrus which was published as its own category in 2002 therefore data are not comparable with 2002.

Other cropland. This includes all cropland other than harvested cropland or cropland used only for pasture or grazing.

Other crops and hay. For the 2007 census, data are for the total market value of all crops not categorized into one of the prelisted crop sales categories on the report form and hay sales. This category includes crops such as grass seed, hay and grass silage, haylage, greenchop, hops, maple syrup, mint for oil, peanuts, sugarcane, sugarbeets, etc.

Other crops. Data relate to any field crops not having a specified code on the 2007 census report form. Amaranth, foxtail millet seed, lotus root, mungbeans, redtop seed, salt hay, and sweet rice were included in other field crops in the 2007 report form but were reported individually on the 2002 report form. The 2002 data, where compared, were not adjusted for these crop acreages.

Other-farm related income sources. See Total income from farm-related sources, gross before taxes and expenses.

Other field and grass seed crops. Data relate to any field or grass seed crop not having a specified code on the 2007 census report form. Sweet clover seed was included in other seed crops in the 2007 report form but were reported individually on the 2002 report form. The 2002 data, where compared, were not adjusted for this crop acreage.

Other floriculture and bedding crops. This is a new item for 2007. In 2002, data were reported in other nursery and greenhouse.

Other food fish. Data are for fish, other than catfish and trout, raised on farms for food. Examples include hybrid striped bass, moi, perch, salmon, sturgeon, and tilapia.

Other greenhouse vegetables and fresh cut herbs. This is a new item for 2007. In 2002, these data were included with greenhouse produced vegetables.

Other land. This category includes land in house lots, barn lots, ponds, roads, ditches, wasteland, etc. It includes those acres in the farm operation not classified as cropland, pastureland, or woodland. See Land in farms.

Other livestock. This category includes all livestock not having specific codes on the 2007 report form. See Other animals and other animal products sold.

Other livestock and poultry purchased or leased. See Total farm production expenses.

Other livestock products. Data for this category include the number of farms that sold livestock products that did not have a specific code on the 2007 report form.

Other noncitrus fruit. Data relate to any noncitrus fruit not having a specific code on the census report form.

Other nursery crops. This is a new item in 2007. It includes nursery crops not having specific codes on the report form. In 2002, data were reported in other nursery and greenhouse.

Other nuts. This category includes any nut crop not having a specific code on the report form. In 2007, data were collected for chestnuts separately while in 2002 chestnuts were included in Other nuts. Data are not comparable.

Other oranges. Data are for Oranges other than Valencia oranges, including Navel oranges.

Other poultry. Data are for other poultry not having a specific code on the report form. Data are comparable.

Other tame hay. See Hay, other tame dry hay.

Other vegetables. Data shown for other vegetables relate to any vegetable not having a specific code on the census form. In the 2007 census, data were collected separately for horseradish while in 2002 horseradish was included in other vegetables. Data are not directly comparable.

Patronage dividends. See Total income from farm-related sources, gross before taxes and expenses.

Payments received by the contractee for commodities produced under contract. These data show the number of farms and the dollar amount the contractees received from contractors for commodities produced under contract. This is not the market value of the commodities delivered, but the payment or fee the operators received for commodities delivered. For market value of the commodities delivered see Commodities raised and delivered under production contracts.

Peaches, all. Data for all peaches were collected as a category in all States except for California and Arizona. Peach data in California and Arizona were collected separately for clingstone and freestone peaches. The data were later combined with all peaches for publication. Data for clingstone and freestone are found in the California and Arizona publications only.

Pears, all. Data for all pears were collected as a category in all States except for California, Arizona, Idaho, Oregon, Alaska, and Washington. These States collected data separately for Bartlett pears and Other pears which were later combined into the Pear, all category. Data for Bartlett and other pears are found only in the State publications where collected.

Pecans, all. All pecans is a summation of Pecans, improved and Pecans, native and seedling. Total acres, bearing acres, and nonbearing acres were collected by category in the 2007 census. In the 2002 census, total acres, bearing acres, and nonbearing acres were collected only as all pecans.

Pecans, improved. This is a new item for the 2007 census. Improved pecans are varieties that have been genetically altered through breeding and grafting techniques to produce more nuts, and nuts with a greater percentage of nut meat. See Pecans, all for further explanation.

Pecans, native and seedlings. This is a new item for the 2007 census. Native pecans are varieties that developed under natural conditions. Seedling pecans are produced from seed (the nut) and have not been budded or grafted. See Pecans, all for further explanation.

Peppers, Bell (excluding pimientos). The wording was improved to exclude pimientos which were reported as other vegetables.

Peppers, other than bell (including chile). The data includes all other peppers including chile. Pimientos were reported as other vegetables. In 2002 this category was referred to as Peppers, chile (all peppers, excluding bell). This is a wording change only; all data are comparable.

Permanent pasture and rangeland, other than cropland and woodland pastured. This land use category encompasses grazable land that does not qualify as woodland pasture or cropland pasture. It may be irrigated or dry land. In some areas, it can be a high quality pasture that could not be cropped without improvements. In other areas, it is barely able to be grazed and is only marginally better than wasteland. In 2002 this category was referred to as Pastureland and rangeland, other than cropland pastured. This is a wording change only; all data are comparable.

Plums. This was reported as an individual item only in California and Arizona. All other States reported plums in a combined plum and prune category.

Pluots. This is a new item for 2007. Pluots were reported as an individual item only in California, Arizona, Idaho, Oregon, Alaska, and Washington. In all other States pluots were reported in the Other non-citrus category.

Potatoes. In 2007 potato acres are included in the vegetable acres. Data are for total acres harvested, acres harvested for fresh market, and acres harvested for processing. Production was not collected. In 2002 potatoes acreage and production were included in the acres for field crops.

Poultry hatched. This category includes all poultry hatched on the operation during the year. The number of poultry hatched is under the Sold heading for both years.

Poultry, other. See Other poultry.

Primary occupation of operator. Data on age and primary occupation were obtained from up to three operators per farm. The primary occupation classifications used were:

1. *Farming or ranch work.* The operator spent 50-percent or more of his/her worktime during 2007 at farming or ranching.

2. *Other.* The operator spent less than 50-percent of his/her worktime during 2007 in farming or ranching operations.

Principal operator. The person primarily responsible for the on-site, day-to-day operation of the farm or ranch business. This person may be a hired manager or business manager. See Operators for further explanation.

Production contracts. See Commodities raised and delivered under production contracts.

Production expenses. See Total farm production expenses.

Prunes. This was reported as an individual item only in California and Arizona. All other States reported prunes in a combined plum and prune category.

Pullets for laying flock replacement. Data are for pullet inventory and the number sold or moved for laying flock replacement.

Race of operator. Data, except for Hawaii, were collected for American Indian (included Alaska Native), Asian, Black or African American, Native Hawaiian and Other Pacific Islander, and White. Respondents were asked to mark one or more of the race categories. In Hawaii operator race data were collected for American Indian (included Alaska Native), Chinese, Filipino, Japanese, Korean, Other Asian, Black or African American, Native Hawaiian, other Pacific Islander, and White. The combination of Native Hawaiian and Other Pacific Islander is equivalent to the Native Hawaiian or Other Pacific Islander category on the other forms. The combination of the Chinese, Filipino, Japanese, Korean, and Other Asian categories is equivalent to the Asian category on the other forms. The Volume 1, Geographic Area Series, U.S. Summary publication only displays counts for the categories of Native Hawaiian and Other Pacific Islander and Asian. Data for the 11 Hawaii race categories are published in chapter 2 of the Hawaii publication of the Volume 1 series.

Raspberries, all. In 2007, raspberries were reported as All raspberries except in Alaska, Idaho, Oregon, and Washington where they were reported as black raspberries or red raspberries. In these States, black raspberries and red raspberries data were combined as Raspberries, all for comparability with other States. In 2002, raspberries were reported as all raspberries except in Idaho, Oregon, and Washington.

Raspberries, black. See Raspberries.

Raspberries, red. See Raspberries.

Rental of farmland. See Total income from farm-related sources, gross before taxes and expenses; Gross cash rent or share payments.

Sales, total. See Market value of agricultural products sold.

Sheep and lambs inventory. Data are for sheep and lambs of all ages owned regardless of location. In 2007 sheep and lambs were collected in their own section to clarify to respondents that only "owned" sheep and lambs were to be reported versus any sheep and lambs on the operation.

Short-rotation woody crops. Data are for short-

rotation woody crops that grow from seed to a mature tree in 10 years or less. These are trees for use by the paper or pulp industry or as engineered wood. This does not include lumber. Acres in production were included in Cropland harvested in the "Land" section of the report form.

Size of farm. See Farms by size.

Sorghum for syrup (gallons). Data are for sorghum syrup produced. 2002 data were collected as pounds produced so the 2002 data were divided by 11.55 to convert the pounds to gallons.

Squash, all. All squash is a summation of summer squash and winter squash. Total acres, acres for fresh market, and acres for processing were collected by category in the 2007 census. In the 2002 census, total acres and acres for processing were collected as all squash.

Squash, summer. This is a new item for the 2007 census. See Squash, all.

Squash, winter. This is a new item for the 2007 census. See Squash, all.

Spanish, Hispanic, or Latino origin. Operators of Spanish, Hispanic, or Latino origin are found in all of the racial groups listed in the census and were tabulated according to the race reported, as well as on tables pertaining only to this group.

Sport or game fish. Data are for sport or game fish and it includes fish raised to restock public waters or for sale at fee fishing operations. Examples include bluegill, crappie, largemouth bass, smallmouth bass, sunfish, muskie, northern pike, walleye, and sunfish.

Sweet potatoes. In 2007 sweet potato acres are included in the vegetable acres. Data are for total acres harvested, acres harvested for fresh market, and acres harvested for processing. Production was not collected. In 2002 sweet potatoes acreage and production were included in the acres for field crops.

Tame hay. See Hay, other tame dry.

Tenure. See Farms by tenure of operator.

Tobacco transplants. This is a new item for 2007. Data are for tobacco transplants that were sold for transplant to farm fields. Transplants grown for transplanting to the same operation were not reported or removed during data review. In 2002, data were reported as Other nursery and greenhouse.

Tomatoes in the open. Data are for tomatoes grown in the open. In 2007 the wording "in the open" was added to clarify between tomatoes grown in open fields versus tomatoes grown under cover. Data are comparable.

Total acres used for organic production. This is a new item in the 2007 census. Respondents were instructed to report organic production as defined by the National Organic Standards while in 2002 only acreage of certified organically produced crops was collected. Organic acreage is divided into organic crops and organic pasture. The count of farms producing organic crops may differ from that found in other sources because this item is self reported by respondents. No attempt was made to verify reports with certifying organic organizations. The acres reported for organic crops must be less than or equal to the acres reported as cropland harvested for each operation.

In 2002, data were collected for the number of acres used to raise certified organically produced crops. This was replaced in 2007 with acreage and value of sales of organically produced commodities. For certified production, only a "Yes" or "No" response question was asked in the "Organic Agriculture" section. The 2007 data do not compare with 2002 Land used to raise certified organically produced crops. See Total organic product sales.

Total cropland. This category includes cropland harvested, cropland used only for pasture or grazing, cropland on which all crops failed or were abandoned, cropland in cultivated summer fallow, and cropland idle or used for cover crops or soil improvement but not harvested and not pastured or grazed.

Total farm production expenses. Includes the production expenses provided by the operators, partners, landlords (excluding property taxes), and production contractors for the farm business in 2007.

Tenant farmers reported expenses paid by landlords for the agricultural production on the operation, as well as their expenses. Farm or ranch operators who rented part of their land to others reported only the expenses for the land they actually used themselves and not expenses for land rented to others. The 2007 total farm production expenditure includes all farm-related expenses such as customwork, fuel costs, cost of cutting timber, services provided to hunters, cooperative membership fees, etc. However, if the income from these farm-related categories was not considered a part of the operation (i.e., if the income was regarded as derived from a separate business), then the associated expenses were not included. The contractor's portion of expenses was solely based on computer generated estimates for 2007.

This item excludes expenses relating to non-farm activities such as trading and speculation in the commodities market or livestock trading activities. Explanations of selected production expenses are listed below.

All other production expenses. This category includes all expenses not listed on the report form. Examples include animal health costs, storage and warehousing, marketing and ginning expenses, insurance, etc. Health expenses and payroll taxes were excluded.

Breeding livestock purchased or leased. These expenses include all breeding livestock and poultry purchased or leased during 2007 for production on the farm or ranch. The total includes amount spent for beef and dairy cows, heifers, bulls, sows, gilts, boars, rams, lambs, ewes, roosters, hens, layers, etc. Estimations of the value of livestock or poultry fed on a custom basis were to be made based on their value when they arrived on the farm or ranch. In 2002 data were only collected for purchased breeding livestock. Data are not directly comparable.

Cash rent paid in 2007 for land and buildings. These data include the cost of renting land and buildings that were part of the operation. Rent paid for the operator's dwelling or other non-farm property and the value of the shares of crops and livestock paid to landlords were excluded.

Chemicals. These 2007 expenses include insecticides, herbicides, fungicides, and other pesticides, including costs of custom application. Data exclude commercial fertilizer purchased.

Contract labor. These data include payments made to contractors, crew leaders, cooperatives, or any other organization hired to furnish a crew of laborers to do a job that may involve one or more agricultural operations. In some cases, a crew leader may furnish some equipment. Data exclude expenses made on a contractual basis for repair or maintenance or for capital improvements, such as construction of farm buildings, installation of fences or irrigation systems, and land leveling.

Customwork and custom hauling. These expenses include costs incurred for having customwork done on the place and for renting machines to perform agricultural operations. The cost of cotton ginning is excluded. The cost of labor involved in the customwork service is included in the customwork expense. Some examples of customwork are planting, spraying, harvesting, preparation of products for marketing, grinding and mixing feed, corn picking, grain drying, and silo filling. The cost of custom application of fertilizer and chemicals is included in expenditures for fertilizer and chemicals in 2007, just as it was in the 2002 census. The cost of hired labor for operating rented or hired machinery is included as a hired farm and ranch labor expense.

Feed purchased. These expenses include the cost of all feed for livestock and poultry including grain, hay, silage, mixed feeds, concentrates, etc. during 2007.

Fertilizer, lime, and soil conditioners. These 2007 expenses include fertilizer and lime including rock phosphate and gypsum, and the costs of custom application.

Gasolines, fuels, and oils. These expenses include the cost of all gasoline, diesel, natural gas, LP gas, motor oil, and grease products for the farm during 2007. Expenses exclude fuel for personal use of automobiles by the family and others, fuel used for cooking and heating the farmhouse, and any other use outside of farmwork on the operation.

Hired farm labor. These 2007 expenses include the total amount paid for farm or ranch labor including regular workers, part-time workers, and members of the operator's family if they received payments for labor. Expenses include social security taxes, State taxes, unemployment tax, payment for sick leave or vacation pay, workman's compensation, insurance premiums, and pension plans.

Interest paid on debts. These expenses include interest and finance charges paid in 2007 for debts secured by real estate and on debt not secured by real estate. Interest expenses excluded from this category are non-farm interest expenses and interest expenses originating from machinery and equipment used for a separate customwork business or for other operations. Interest expense for the operator's dwelling, where the amount is separate from interest on farm land and buildings on the operation, is excluded. Interest paid on debts was reported in one of two categories:

1. *Secured by real estate.* These data include all interest expenses paid in 2007 on debts secured by real estate for the farm.

2. *Not secured by real estate.* These data include all interest expenses paid in 2007 on debts secured by machinery, tractors, trucks, other equipment, livestock, poultry, breeding stock, money borrowed for use as working capital, and interest paid on CCC loans for the farm.

Livestock and poultry purchased or leased. These data include Breeding livestock purchased or leased and Other livestock and poultry purchased or leased.

Other livestock and poultry purchased or leased. These expenses include all non-breeding livestock and poultry purchased or leased during 2007 for production on the farm or ranch. The total includes amounts spent for cattle, calves, hogs, pigs, sheep, hatchery eggs, etc. In 2002 data were only collected for purchased livestock and poultry. Data are not directly comparable.

Property taxes paid. These data include property taxes paid by the operators for the farm share of land, machinery, buildings, and livestock, excluding taxes paid by this operator's landlords.

Rent and lease expenses for machinery, equipment, and farm share of vehicles. These data include the farm share cost of renting or leasing machinery, equipment, and vehicles during 2007. Rental and lease expenses of items used only for custom hire are excluded here.

Repairs, supplies, and maintenance. These expenses include all costs for the repair and upkeep of buildings, motor vehicles, fences, and farm equipment used for the farm business during 2007. Repairs to equipment used both for the farm business and for performing customwork are included.

Seeds, plants, vines, and trees. These expenses include the cost of all seeds, bulbs, plants, propagation materials, trees, seed treatments, seed cleaning costs, etc. purchased during 2007. Excluded were items purchased for immediate resale or the value of seed grown on this place.

Utilities. These data show the farm share cost of electricity, telephone charges, internet fees, and water purchased in 2007. Included in the water cost is water purchased for irrigation purposes, livestock watering, etc. Household utility costs were excluded from these items.

Total greenhouse vegetables and fresh cut herbs. This category includes greenhouse tomatoes and other greenhouse vegetables and fresh cut herbs. In 2002 this category was referred to as greenhouse vegetables. This is only a wording change; all data are comparable.

Total income from farm-related sources, gross before taxes and expenses. This includes gross income from farm-related sources received in 2007 before taxes and expenses from the sales of farm byproducts and other sales and services closely related to the principal functions of the farm business. The data exclude income from employment or business activities which were separate from the farm business. Categories that make up the farm-related income calculation changed between the 2002 and 2007 censuses. In the 2007 census, Crop and livestock insurance payments received and Amount from State and local government agricultural program payments are published separately. In the 2002 census, these

categories were combined with Other farm-related income sources.

Agri-tourism and recreational services. This income includes income from recreational services such as hunting, fishing, farm or wine tours, hay rides, etc. In the 2002 census, this category was referred to as Recreational Services. This is a wording change only; all data are comparable.

Amount from State and local government agricultural program payments. This is a new item for 2007. This income includes State and local government agricultural program payments. Respondents were to exclude the State and local portion of CREP payments if they were reported in the amount received for participation in CREP in section 4, item 1a of the report form. In 2002 this income was included with Other farm-related income sources.

Crop and livestock insurance payments received. This is a new item for 2007. This income includes insurance payments from crop and livestock losses. In 2002 this income was combined with Other farm-related income sources.

Customwork and other agricultural services. This income includes gross receipts received by the farm operators for providing services for others such as planting, plowing, spraying, and harvesting. Income from customwork and other agricultural services is generally included in the agriculture census if it is closely related to the farming operation. However, it is excluded if it constituted a separate business or was conducted from another location.

Gross cash rent or share payments. This income includes gross cash or share payments received from renting out farmland, payments received from the lease or sale of allotments, and payments received for livestock pastured on a per-head, per month, or per pound basis. It excludes rental income from nonfarm property.

Other-farm related income sources. This is other income which is closely related to the agricultural operation. This income includes animal boarding, breeding fees (horse breeding or stud fees received were reported in the Value of Sales section in the Other animals and other animal products category), tobacco quota buyouts, State fuel tax refunds, farm generated energy, etc. In the 2007 census, crop and livestock insurance payments received and amount from State and local government agricultural program payments were published separately. In the 2002 census, these categories were combined with other farm-related income sources. Data are not comparable.

Patronage dividends and refunds from cooperatives. This income includes payments to a farmer or rancher for business done with a cooperative to which he/she usually belongs. The payment is usually for goods sold through the co-op.

Sales of forest products. This income includes gross receipts from sales of standing timber, pulpwood, firewood, etc. from the farm or ranch operation. It excludes income from nonfarm timber tracts, sawmill businesses, cut Christmas trees, maple products, and short-rotation woody crops.

Total operators. See Operators, total.

Total organic product sales. This is a new item for the 2007 census. The data represent the value of organically produced agricultural commodities sold from operations during 2007. It was the intention of the question to collect the value of those products that were produced as organic according to the National Organic Standards. These sales may come from either crop or livestock production and are divided into three categories:

1. Sales for crops, including nursery and greenhouse crops.

2. Sales for livestock and poultry.

3. Sales for livestock and poultry products. Sales data are not comparable.

Total sales. See Market value of agricultural products sold.

Total market value of agricultural products sold and government payments. This category represents the value of products sold plus government payments. Total value of products sold

combines total sales not under production contract and total sales under production contract. Government payments consist of government payments received from the Conservation Reserve Program (CRP), Wetlands Reserve Program (WRP), Farmable Wetlands Program (FWP), or Conservation Reserve Enhancement Program (CREP) plus government payments received from Federal, State, and local programs other than the CRP, WRP, FWP, and CREP, and Commodity Credit Corporation loans.

Trucks, including pickups. This is a new item for 2007. The data were last published in the 1997 census.

Turkeys. In the 2007 census, turkey data are a combination of turkeys for meat production and turkey hens kept for breeding tabulated from two questions. The number of turkeys sold includes turkeys sold for slaughter or moved to other farms, which may result in a turkey being sold more than once from different operations. In the 2002 census, turkey inventory and sales were tabulated in one question.

Type of organization. See Farms by type of organization.

Typology. See Farm typology.

Utilities. See Total farm production expense.

Value of agricultural products sold directly to individuals for human consumption. This item represents the value of agricultural products produced and sold directly to individuals for human consumption from roadside stands, farmers' markets, pick-your-own sites, etc. It excludes non-edible products such as nursery crops, cut flowers, and wool but includes livestock sales. Sales of agricultural products by vertically integrated operations through their own processing and marketing operations were excluded.

Value of commodities. Data show the number of farms and the market value of all commodities delivered under a production contract.

Value of landlord's share of total sales. Data include the value of agricultural sales received by the landlords.

Value of organically produced commodities. See Total organic product sales.

Value of sales. See Market value of agricultural products sold.

Vegetable transplants. This is a new item for 2007. Data are for vegetable transplants grown and sold from this operation for transplanting to fields on another operation. In 2002 vegetable transplants were reported as other nursery and greenhouse.

Vegetables harvested for fresh market. This is a new item for the 2007 census. Respondents reported the total vegetable acres harvested, harvested for processing, and harvested for fresh market.

Vegetables harvested for sale. The acres of vegetables harvested is the summation of the acres of individual vegetables harvested. All of the individual vegetable items may not be shown. When more than one vegetable crop was harvested from the same acreage, acres were counted for each crop. In 2007, ginseng, potatoes, and sweet potatoes are included in vegetables harvested. In 2002, these acres were included in field crops. The 2002 data, where compared, were not adjusted to include ginseng, potatoes, and sweet potatoes acreage.

Vegetables, melons, and potatoes. See Commodities raised and delivered under production contracts.

Vegetables, other. See Other vegetables.

Wheat for grain. Data were reported by type of wheat - Durum, winter, and spring other than Durum.

Woodland pastured. This category includes all woodland used for pasture or grazing during the census year. Woodland or forest land pastured under a per-head grazing permit was not counted as land in farms and, therefore, was not included in woodland pastured.

Woodland, total. This category includes natural or

planted woodlots or timber tracts, cutover and deforested land with young growth which has or will have value for wood products and woodland pastured. Land covered by sagebrush or mesquite was reported as Permanent pastureland and rangeland or other land. Land planted for Christmas tree production and short rotation woody crops was reported in Cropland harvested, and land in tapped maple trees was reported as Woodland not pastured.

Write-in crops. To reduce the length of the report form, only the major crops for each region were prelisted on the regional report forms. For other crops, the respondent was asked to look at a list of crops in each section and write in the crop name and its code. For crops that had no individual code listed on the report form, the respondent was to write in the crop name and code of the appropriate ''all other'' category for that section. Write-in crops coded as ''all other'' were reviewed and assigned a specific code when possible. Crops not assigned a specific code were left in the appropriate ''all other'' category. The national report form was an open table design so most of the commodities were reported as write-in commodities.

DUE FEBRUARY 4, 2008

OMB No. 0535-0226: Approval Expires 07/31/2009

UNITED STATES 2007 CENSUS OF AGRICULTURE

Form Number: 07-A0200
(11/27/06)

USDA

AGRICULTURE COUNTS NASS

National Agricultural Statistics Service

Please return your completed report to:

Census of Agriculture
1201 East 10th Street
Jeffersonville, IN 47132

OFFICE USE ONLY

0013		
0011	0012	
0014	0015	0016
0021	0022	0023

07-A0200

Please make corrections to name, address, and ZIP code if necessary.

- Everyone who receives a form must return one by mail or via the Internet at **www.agcensus.nass.usda.gov**
- Your report is due by **February 4, 2008.**
- To fill out the paper form, use a black or blue ballpoint pen.
- **Duplicate forms?** If you received extra census report forms for the SAME farming operation, return all report forms in the same envelope with this completed report.

THANK YOU FOR YOUR COOPERATION.

Questions? Call us toll free at 1-888-424-7828.

¿Preguntas? Llámenos libre de cargos al 1-888-424-7828.

PENALTY FOR FAILURE TO REPORT

NOTICE: Response to this inquiry is required by law (Title 7, U.S. Code). By the same law, YOUR REPORT IS CONFIDENTIAL and it will only be used for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

07200017

SECTION 1 ACREAGE IN 2007

Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization named on the front of this form. Include ALL LAND, REGARDLESS OF LOCATION OR USE - cropland, Conservation Reserve Program (CRP) and Wetlands Reserve Program (WRP) land, pastureland, rangeland, woodland, idle land, farmsteads, etc.

		None	Number of Acres
1. All land owned.	0043	☐	
2. All land rented or leased **from others,** including land worked by you on shares, used rent free, in exchange for services, payment of taxes, etc. Include Federal, State, and railroad land leased on a per-acre basis. Exclude land (i.e. private, Federal, State, railroad, etc.) used on a per-head or animal unit month (AUM) basis under a grazing permit. . . .	0044	☐	
3. All land rented or leased **to others,** including land worked on shares by others and land subleased.	0045	☐	
4. **TOTAL ACRES** in this operation for this census - Add items 1 and 2, then subtract item 3. If the entry is zero, please refer to the enclosed Instruction Sheet, section 1. These acres are referred to as **THIS OPERATION** for the remainder of this report. →	0046		

		None	Number of Acres
5. How many acres rented or leased **to others** (Item 3 above) did this operation **own**?	0053	☐	

6. Location of agricultural activity for this operation

a. In what county was the largest value of your agricultural products raised or produced?

	Principal County Name		State		Number of Acres
0055		0060		0056	

b. If you also had agricultural activity in any **other** county, enter the county name(s), etc.

Other County Name(s)	State		Number of Acres
		0057	
		0058	
		0059	
		0042	

07200025

SECTION 2 LAND

Report how the acres reported in SECTION 1, item 4 were used in 2007. Include land in CRP, WRP, and other State and Federal programs. **Exclude land rented to others.** Report land only once, in the first item that applies. For example: Land that was both pastured and had a crop harvested should be reported only in cropland harvested (item 1a).

	None	Number of Acres
1. Cropland - Exclude cropland pasture.		
a. Cropland harvested - Include all land from which crops were harvested or hay was cut, all land in orchards, citrus groves, vineyards, berries, and nursery and greenhouse crops, Christmas trees, and short rotation woody crops. 0787	☐	
b. Cropland on which all crops failed or were abandoned - Exclude land in orchards and vineyards. 0790	☐	
c. Cropland in cultivated summer fallow. 0791	☐	
d. Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazed. 1062	☐	
2. Pasture		
a. Permanent pasture and rangeland - Exclude cropland pasture. 0796	☐	
b. Woodland pastured. 0794	☐	
c. Cropland used **only** for pasture or grazing - Include rotation pasture and grazing land that could have been used for crops without additional improvements. 0788	☐	
3. Woodland not pastured - Include woodlots, timber tracts, and sugarbush. . 0795	☐	
4. All other land - Include land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc. 0797	☐	
5. **TOTAL ACRES -** Add the acres reported in items 1 through 4 above. Should be the same acres as those reported in SECTION 1, Item 4. . . . 0798	☐	

SECTION 3 IRRIGATION

1. Were any of the acres on this operation irrigated by sprinklers, flooding, ditches or furrows, drip or trickle irrigation, etc. in 2007?

1065 1 ☐ **Yes -** Complete this section 3 ☐ **No -** Go to SECTION 4 below

	None	Acres Irrigated
2. Harvested land irrigated - Include irrigated land from which crops were harvested or hay was cut and land in bearing and nonbearing fruit, nut, and berry crops. 0680	☐	
3. Pastureland, rangeland, abandoned cropland, and other land irrigated. . . 0681	☐	

SECTION 4 CONSERVATION RESERVE PROGRAM AND CROP INSURANCE

	None	Number of Acres
1. How many acres in this operation were enrolled in the Conservation Reserve Program (CRP), Wetlands Reserve Program (WRP), Farmable Wetlands Program (FWP), or Conservation Reserve Enhancement Program (CREP), on **September 30, 2007**? 0683	☐	
		Dollars
a. Amount received in 2007 for participation in these programs. 0685	☐	$ .00
		Number of Acres
2. How many acres in this operation were covered under a crop insurance policy in 2007? 1067	☐	

07200033

- DO NOT report crops grown on land rented TO OTHERS -

SECTION 5 FIELD CROPS

1. Were any field crops, such as corn, wheat, rice, etc., harvested from this operation in 2007? Include your landlord's share and crops grown under contract. Exclude crops grown on land rented to others.

1011 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 6

2. For those crops not printed in the following table, enter the crop name and code from the list below for any other field crop harvested in 2007. Report quantity harvested in the unit specified with the crop name.

Field Crop	Code	Acres Harvested		Total Quantity Harvested		Acres Irrigated	
		Acres	Tenths			Acres	Tenths
Tobacco - all types (tenth acres)	0094				Lbs.		

Field Crop	Code	Acres Harvested	Total Quantity Harvested		Acres Irrigated
Corn for grain or seed	0067			Bu.	
Corn for silage or greenchop	0070			Tons	
Oats for grain or seed	0076			Bu.	
Soybeans for beans	0088			Bu.	
Winter wheat for grain or seed harvested in 2007	0572			Bu.	

If more space is needed, use a separate sheet of paper.

FIELD CROPS	CODE
Alfalfa seed (pounds)	0542
Austrian winter peas (hundredweight)	0548
Bahia grass seed (pounds)	0551
Barley for grain or seed (bushels)	0079
Beans, dry edible excluding limas (hundredweight)	0554
Beans, dry lima (hundredweight)	0557
Bentgrass seed (pounds)	0560
Bermuda grass seed (pounds)	0563
Birdsfoot trefoil seed (pounds)	0566
Bromegrass seed (pounds)	0569
Buckwheat (bushels)	0575
Canola, edible (pounds)	0614
Clover, crimson clover seed (pounds)	0593
Clover, red clover seed (pounds)	0671
Cotton, Pima (bales)	0644
Cotton, Upland (bales)	0581
Emmer and spelt (bushels)	0599
Fescue seed (pounds)	0602
Flaxseed (bushels)	0605

FIELD CROPS	CODE
Hay - Report in SECTION 7.	
Herbs, dried (pounds)	0620
Jojoba harvested (pounds)	0626
Kentucky bluegrass seed (pounds)	0629
Lentils (hundredweight)	0635
Lespedeza seed (pounds)	0638
Mint, peppermint (pounds of oil)	0047
Mint, spearmint (pounds of oil)	0050
Mustard seed (pounds)	0650
Orchardgrass seed (pounds)	0653
Peanuts for nuts (pounds)	0656
Peas, dry edible (hundredweight)	0659
Peas, dry Southern/cowpeas (bushels)	0584
Popcorn (pounds shelled)	0662
Potatoes - Report in SECTION 10.	
Proso millet for grain or seed (bushels)	0665
Rice (hundredweight)	0677
Rye for grain or seed (bushels)	0686
Ryegrass seed (pounds)	0689
Safflower (pounds)	0692
Sorghum for grain or seed, including milo (bushels)	0082

FIELD CROPS	CODE
Sorghum for silage or greenchop (tons)	0085
Sorghum for syrup (gallons)	0704
Sorghum-Sudan crosses - Report in SECTION 7.	
Sudangrass seed (pounds)	0713
Sugarbeets for seed (pounds)	0716
Sugarbeets for sugar (tons)	0719
Sugarcane for seed (tons)	0725
Sugarcane for sugar (tons)	0722
Sunflower seed, non-oil variety (pounds)	0776
Sunflower seed, oil variety (pounds)	0773
Sweet corn for seed (pounds)	0740
Sweet potatoes - Report in SECTION 10.	
Timothy seed (pounds)	0746
Triticale for grain (bushels)	0749
Vetch seed (pounds)	0755
Wheat, Durum (bushels)	0578
Wheat, Spring (bushels)	0728
Other field crop, specify above	0752

07200041

SECTION 6 GRAIN STORAGE CAPACITY

1. Were any facilities to store whole grains or oilseeds on this operation on **December 31, 2007**?

1028 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 7 below

2. What was the total whole grains and oilseed storage capacity on this operation? Include capacity of all structures normally used for storing whole grains and oilseeds. 1029

Bushels

SECTION 7 HAY AND FORAGE CROPS

1. Were any hay and forage crops cut or harvested from this operation in 2007? Include your landlord's share and crops grown under contract. Exclude crops grown on land rented to others.

1152 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 8 below

TOTAL HAY AND FORAGE CROPS - Exclude straw, corn silage, and sorghum silage.

	None	Acres Harvested	Acres Irrigated
2. All land from which dry hay, haylage, grass silage, or greenchop was cut or forage was harvested. 1021	☐		

For items 3 through 8, when both dry hay and haylage were cut from the same acres, report acres for each type. If two or more cuttings were made from the same acres, report acres for that item only once, but report total quantity harvested from all cuttings.

ALFALFA HAY AND SILAGE	None	Acres Harvested	Total Tons Harvested	Acres Irrigated
3. Alfalfa and alfalfa mixtures for dry hay. . . 0103	☐		Tons, dry	
4. Haylage or greenchop from alfalfa or alfalfa mixtures. 1070	☐		Tons, green	
OTHER HAY AND SILAGE				
5. Small grain dry hay - barley, oats, rye, wheat, etc. 0106	☐		Tons, dry	
6. Other tame dry hay - clover, fescue, lespedeza, timothy, Bermuda grass, Sudangrass, etc. 0109	☐		Tons, dry	
7. Wild dry hay. 0112	☐		Tons, dry	
8. All other haylage, grass silage, and greenchop. 1073	☐		Tons, green	

SECTION 8 WOODLAND CROPS AND MAPLE SYRUP

1. Were any woodland crops grown, harvested, or tapped on this operation in 2007? Include your landlord's share and crops grown under contract. Exclude crops grown on land rented to others.

1153 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 9

	None	Acres in Production	Number of Trees Cut	Acres Irrigated
2. Cut Christmas trees - cut or to be cut. Report live trees sold in SECTION 9. 1023	☐			

		Acres in Production	Acres Harvested	Acres Irrigated
3. Short rotation woody crops - Trees with growth cycles of 10 years or less. Report nursery stock in SECTION 9. 1025	☐			

		Number of Taps	Syrup Produced
4. Maple syrup. 0800	☐		Gallons

07200058

SECTION 9 NURSERY, GREENHOUSE, FLORICULTURE, SOD, MUSHROOMS, VEGETABLE SEEDS, AND PROPAGATIVE MATERIALS

1. Were any nursery, floriculture, or greenhouse crops, including ornamental plants, flowers, mushrooms, aquatic plants, sod, food crops under protection, vegetable seeds, flower seeds, or other propagative materials, grown for sale on this operation in 2007? Include crops produced under contract and food crops grown in greenhouses, caves, and high tunnels where crops were always covered. Exclude personal or home use crops. Report food crops temporarily covered for early germination, frost protection, etc. in SECTION 10, 11, or 12.

1032 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 10

2. Nursery, greenhouse, floriculture, sod, mushrooms, and propagative materials irrigated. . . . . 0477 None ☐

Area Irrigated		
Square Feet	Acres in the Open	
	Acres	Tenths

3. Enter the crop type and code from the list below for all crops grown in 2007. Report area grown and value of sales in the table.

Crop Type	Code	Square Feet Under Glass or Other Protection	Acres in the Open		Value of Sales (Dollars)
			Acres	Tenths	
					$ .00
					$ .00
					$ .00
					$ .00
					$ .00
					$ .00
					$ .00
					$ .00

If more space is needed, use a separate sheet of paper.

FLORICULTURE AND BEDDING CROPS	CODE
Bedding/Garden plants - annuals, herbaceous perennials, vegetable plants.	0479
Cut flowers and cut florist greens.	0485
Foliage plants, indoor.	0707
Potted flowering plants.	0710
Other floriculture and bedding, specify above.	1015

NURSERY CROPS	CODE
Nursery stock - ornamentals, shrubs, shade trees, live Christmas trees, fruit and nut trees, vines, palms, ornamental grasses, etc.	0488
Aquatic plants.	0880
Other nursery, specify above.	1017

SOD	CODE
Sod harvested.	0497

PROPAGATIVE MATERIALS SOLD	CODE
Bulbs, corms, rhizomes, and tubers, dry.	0482
Cuttings, seedlings, liners, plugs.	1002
Flower seeds.	0882
Tobacco plants sold for transplant to farm fields.	1004
Vegetable seeds.	0884
Vegetable transplants to farm fields.	1006

FOOD CROPS GROWN UNDER GLASS OR OTHER PROTECTION	CODE
Tomatoes.	1019
Other vegetables and fresh cut herbs.	0503
Fruits and berries.	1008

MUSHROOM CROPS	CODE
Mushrooms - Report growing area and sales.	0494
Mushroom spawn - Report sales only.	2495

07200066

SECTION 10 VEGETABLES, POTATOES, AND MELONS

1. Were any vegetables, potatoes, sweet corn, or melons harvested from this operation in 2007? Include crops grown under contract. Exclude personal or home use crops. Report crops grown under glass or other protection in SECTION 9.

1101 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 11

2. Acres from which vegetables, potatoes, and melons were harvested in 2007. Report multiple cropped acreage only once. 0375

Acres Harvested		Acres Irrigated	
Acres	Tenths	Acres	Tenths

3. For those crops not printed in the following table, enter the crop name and code from the list below for any other vegetables harvested in 2007.
   - If more than one vegetable crop was harvested from the same acres, report acres for each crop.
   - For two or more pickings of the same crop, report the area harvested only once.
   - Processing refers to vegetables that have been altered by heat, pressure, or freezing.

Crop Name	Code	Total Acres Harvested		Acres Harvested for Fresh Market		Acres Harvested for Processing	
		Acres	Tenths	Acres	Tenths	Acres	Tenths
Potatoes	0097						
Sweet potatoes	0100						
Tomatoes in the open	0463						

If more space is needed, use a separate sheet of paper.

CROP NAME	CODE
Artichokes - Exclude Jerusalem	0377
Asparagus, bearing age	0418
Beans, Lima	0429
Beans, snap (bush and pole)	0381
Beets	0383
Broccoli	0385
Brussels sprouts	0387
Cabbage, Chinese	0389
Cabbage, head	0391
Cabbage, mustard	0393
Cantaloupes and muskmelons	0395
Carrots	0397
Cauliflower	0399
Celery	0401
Chicory	0403
Collards	0407
Cucumbers and pickles	0411
Daikon	0413
Eggplant	0415
Escarole and endive	0417
Garlic	0421
Ginseng	0446
Herbs, fresh cut	0455
Honeydew melons	0423
Horseradish	0424
Kale	0425
Lettuce, head	0428
Lettuce, leaf	0430
Lettuce, Romaine	0432
Mustard greens	0431
Okra	0437
Onions, dry	0433
Onions, green	0435
Parsley	0439
Peas, Chinese (sugar, snow)	0405
Peas, green	0441
Peas, Southern (cowpeas)	0409
Peppers, Bell - Exclude pimientos	0443
Peppers, other than Bell - Include chile	0445
Pumpkins	0449
Radishes	0451
Rhubarb	0453
Spinach	0457
Squash, summer	0468
Squash, winter	0470
Sweet corn	0461
Turnip greens	0467
Turnips	0465
Watercress	0471
Watermelons	0473
Vegetables, other, specify above	0475

07200074

SECTION 11 FRUIT AND NUTS

1. Was there a combined total of 20 or more fruit or nut trees, including grapevines, on this operation in 2007? Include crops grown under contract. Exclude abandoned acres. Report berries in SECTION 12.

1047 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 12

	Total Acres		Acres Irrigated	
	Acres	Tenths	Acres	Tenths
2. Acres in bearing and nonbearing fruit orchards, citrus groves, vineyards, and nut trees. 0121				

3. For those crops not printed in the following table, enter the crop name and code from the list below for any other fruit and nuts on this operation in 2007. Include acres even if not harvested because of low prices, damage from hail, frost, etc.

Crop Name	Code	Total Acres		Bearing Age Acres		Nonbearing Age Acres	
		Acres	Tenths	Acres	Tenths	Acres	Tenths
Apples	0123						
Grapes	0366						
Peaches, clingstone	0222						
Peaches, freestone	0216						
Oranges, Valencia	0150						
Oranges, other than Valencia	0174						

If more space is needed, use a separate sheet of paper.

NONCITRUS FRUIT	CODE	NONCITRUS FRUIT	CODE	CITRUS FRUIT	CODE	NUTS	CODE
Apricots	0129	Olives	0207	Grapefruit	0267	Almonds	0321
Avocados	0135	Papayas	0213	Kumquats	0273	Chestnuts	0324
Bananas	0141	Passion fruits	0219	Lemons	0279	English walnuts	0357
Cherries, sweet	0345	Pears, Bartlett	0234	Limes	0285	Hazelnuts (Filberts)	0327
Cherries, tart	0587	Pears, other than Bartlett	0240	Tangelos	0303	Macadamia nuts	0333
Coffee	0153	Persimmons	0237	Tangerines	0309	Pecans, improved	0336
Dates	0159	Plums	0243	Temples	0144	Pecans, native and seedling	0342
Figs	0165	Prunes	0249	Other citrus fruit, specify above	0315	Pistachios	0351
Guavas	0183	Pluots	0264			Other nuts, specify above	0363
Kiwifruit	0189	Pomegranates	0255				
Mangos	0195	Other noncitrus, specify above	0261				
Nectarines	0201						

07200082

SECTION 12 BERRIES

1. Were any strawberries, cranberries, or other berries grown on this operation in 2007? Include crops grown under contract. Exclude personal or home use crops. Report crops grown under glass or other protection in SECTION 9.

1041 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 13

	Acres Grown		Acres Irrigated	
	Acres	Tenths	Acres	Tenths
2. Acres on which berries were grown in 2007. 1045				

3. Complete the following table for each berry crop grown on this operation in 2007. For two or more pickings of the same crop, report the acres only once.

Crop Name	Code	Total Acres		Acres Harvested		Acres not Harvested	
		Acres	Tenths	Acres	Tenths	Acres	Tenths
Blackberries and dewberries	0509						
Blueberries, tame	0512						
Blueberries, wild	0515						
Boysenberries	0518						
Cranberries	0521						
Currants	0524						
Loganberries	0530						
Raspberries, black	0490						
Raspberries, red	0491						
Strawberries	0536						
Other berries, specify below	0539						
Other berries, specify below	0539						
Other berries, specify below	0539						
Other berries, specify below	0539						

If more space is needed, use a separate sheet of paper.

07200090

SECTION 13 CATTLE AND CALVES

1. Did you or anyone else have any cattle or calves, including dairy cattle, on this operation in 2007?

Include • Cattle on public or industrial property under a grazing permit.
• Cattle on land used rent free by this operation.
• Cattle grown or fed on this operation for others on a custom or contract basis.
Exclude cattle grown or fed by someone else on a custom or contract basis.

1201 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 14 below

DECEMBER 31, 2007 INVENTORY

		None	Number on this operation **December 31, 2007**
2. Of the total number of cattle and calves on hand, how many were -			
a. Beef cows? Include beef heifers that had calved. Exclude heifers that had not calved, steers, calves, and bulls.	0804	☐	
b. Milk cows kept for production of milk? Include dry milk cows and milk heifers that had calved.	0805	☐	
c. Other cattle? Include heifers that had not calved, steers, calves, and bulls.	1206	☐	
3. **TOTAL** cattle and calves on hand December 31, 2007 - Add items 2a, 2b and 2c.	0803	☐	

CATTLE AND CALVES SOLD OR MOVED FROM THIS OPERATION

		None	Number
4. Of the cattle and calves sold or moved from this operation during 2007, how many were -			
a. Calves sold or moved in 2007 weighing less than 500 pounds?	0808	☐	
b. Cattle sold or moved in 2007, including calves weighing 500 pounds or more?	0810	☐	

CATTLE IN FEEDLOTS - Include animals for slaughter market fed a ration of grain or other concentrates that are expected to produce a carcass that will grade select or better. Exclude cattle that were pastured only.

		None	Number
5. How many of the cattle on hand reported in Item 3 above were on feed December 31, 2007, and were or will be shipped directly from your feedlot to slaughter market? Exclude cattle being backgrounded.	1207	☐	
6. How many of the cattle sold during 2007 reported in Item 4b above were shipped directly from your feedlot to slaughter market? Exclude any of your cattle being custom fed in feedlots operated by others. Exclude cattle sold as feeders.	0812	☐	

SECTION 14 SHEEP AND LAMBS

1. Did this operation **own** any sheep or lambs in 2007, regardless of location?

1103 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 15

		None	Number owned on **December 31, 2007**	Total number sold in 2007	Wool shorn in 2007 (pounds)
2. Sheep and lambs owned.	0824	☐			
a. Ewes 1 year old or older.	0826	☐			

07200108

SECTION 15 POULTRY

1. Did you or anyone else have any poultry, such as chickens, turkeys, ducks, emus, ostriches, etc., on this operation in 2007? Include poultry grown for others on a contract basis.

1217 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 16

		None	Number on this operation **December 31, 2007**	Total number sold or moved from this operation in 2007
2. Chickens -				
a. Layers -				
(i) Table egg types - Include layers for home use	1229	☐		
(ii) Hatching layers for meat-types - Include layers for broilers, roasters, and other meat-types	1231	☐		
(iii) Hatching layers for table eggs	1233	☐		
b. Pullets for laying flock replacement	1221	☐		
c. Broilers, fryers, and other chickens raised for meat production, including capons and roasters	0898	☐		
3. Turkeys -				
a. Turkeys for meat production - Exclude breeders	1225	☐		
b. Turkey hens kept for breeding	1227	☐		
4. Ducks	0904	☐		
5. Emus	0845	☐		
6. Geese	0906	☐		
7. Ostriches	0878	☐		
8. Pheasants	0910	☐		
9. Pigeons or squab	0908	☐		
10. Quail	0912	☐		
11. All other poultry - Include bantams, chukars, guineas, rheas, peacocks. Specify below ¬	0914	☐		

12. All poultry hatched on this operation's hatcheries in 2007. Include chicks, poults, ducklings, etc., and those custom hatched for others. Specify kind(s) of poultry below ¬

	None	Number
0916	☐	

07200116

SECTION 16 HOGS AND PIGS

1. Did you or anyone else have any hogs or pigs on this operation in 2007? Include hogs grown for others on a contract basis. Contractors or integrators only report hogs on land you operate. Exclude hogs grown by someone else on a contract basis.

1211 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 17 below

DECEMBER 31, 2007 INVENTORY

2. Of the total number of hogs and pigs on hand, how many were -	None	Number on this operation **December 31, 2007**
a. Hogs and pigs used or to be used for breeding? 0816	☐	
b. Other hogs and pigs, including market hogs? 0817	☐	
3. **TOTAL** hogs and pigs on hand December 31, 2007 - Add items 2a and 2b. 0815	☐	

		Number sold or moved
4. Number of hogs and pigs sold or moved from this operation in 2007, including feeder pigs. 0820	☐	

TYPE OF OPERATION AND PRODUCER

5. Mark the **one** item which best describes this operation -

1241 ☐ Farrow to wean 1242 ☐ Farrow to finish 1243 ☐ Finish only

1244 ☐ Farrow to feeder 1245 ☐ Nursery 1246 ☐ Other - specify → _____

6. Mark the **one** item which best describes this producer -

1214 ☐ Independent grower 1215 ☐ Contractor or integrator 1216 ☐ Contract grower (contractee)

SECTION 17 AQUACULTURE

1. Did you or anyone else have any aquaculture on this operation in 2007? Include production for others on a contract basis.

1157 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 18

2. Enter the aquaculture type and code from the list below for fish and other aquaculture products grown on this operation in 2007. Include all sizes for each type. For fish include food size, fingerlings, fry, and eggs. Report aquatic plants in SECTION 9.

Aquaculture Type	Code	Total pounds sold or moved		Total number sold or moved	Value of Sales (Dollars)
			OR		$ .00
			OR		$ .00
			OR		$ .00
			OR		$ .00

If more space is needed, use a separate sheet of paper.

AQUACULTURE TYPE	CODE	AQUACULTURE TYPE	CODE	AQUACULTURE TYPE	CODE
Catfish.	0860	Baitfish.	0900	Ornamental fish.	0980
Trout.	0863	Crustaceans (crayfish, shrimp, etc.). . . .	0902	Sport or game fish.	0984
Other food fish - specify above . .	0896	Mollusks (clams, oysters, etc.).	0978	Other aquaculture products - specify above. .	0869

07200124

SECTION 18 COLONIES OF BEES

1. Did this operation **own** any bees in 2007, regardless of location?

1104 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 19 below

	None	Number owned on **December 31, 2007**	Total colonies sold in 2007	Honey collected in 2007 (pounds)
2. Colonies of bees owned. 0839	☐			

SECTION 19 OTHER ANIMALS AND LIVESTOCK PRODUCTS

1. Did you or anyone else have any horses, goats, other livestock, or livestock products on this operation in 2007?

1237 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 20

	None	Number on **December 31, 2007**	Total number sold in 2007
2. Horses and ponies. 0830	☐		
a. How many of these were **owned** by this operation? 0872	☐		
3. Mules, burros, and donkeys. 0833	☐		
4. Milk goats. 0843	☐		
5. Angora goats. 0847	☐		
6. Meat goats and other goats. 0851	☐		
7. Alpacas. 0876	☐		
8. Llamas. 0874	☐		
9. Bison. 0886	☐		
10. Deer in captivity. 0888	☐		
11. Elk in captivity. 0890	☐		
12. Rabbits, including pelts. 0854	☐		
13. Mink, including pelts. 0836	☐		

		Number on **December 31, 2007**	Total number sold in 2007
14. Other livestock. Report emus and ostriches in section 15. Specify below ¬ _____ . . 0857	☐		

LIVESTOCK AND ANIMAL PRODUCTS		Pounds clipped in 2007
15. Mohair. 0849	☐	

		Quantity produced in 2007	Unit reported
16. Other livestock products - Include semen, embryos, worm castings, manure sold, etc. Specify below ¬ _____ . . 0970	☐		

07200132

SECTION 20 PRODUCTION CONTRACTS AND CUSTOM FEEDING

1. During 2007, were you a production contract grower for a processor or contractor where you grew a crop, raised livestock or poultry, or custom fed any livestock that **you did not own**? A production contract is an agreement setting terms, conditions, and fees to be paid by the contractor to this operation for the production of crops, livestock, or poultry.

1301 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 21

2. Report number of head, bushels, etc. that were raised under production contracts and moved from this operation in 2007. Exclude commodities raised for marketing contracts.

		None	Total quantity moved from this operation in 2007	Unit
a. Broilers and other meat-type chickens	1304	☐		birds
b. Chicken eggs	1305	☐		dozen
c. Pullets for laying flock replacement	1306	☐		birds
d. Turkeys	1307	☐		birds
e. Custom fed cattle shipped directly for slaughter - Exclude cattle custom fed for you by others	1308	☐		head
f. Hogs and pigs	1309	☐		head
g. Other cattle, livestock, poultry, or aquaculture - specify type	1310	☐		
h. Grains and oilseeds	1311	☐		bushels
i. Vegetables, melons, and potatoes - specify type	1312	☐		
j. Other crops - specify type	1313	☐		

3. What was the total dollar amount received in 2007 for delivering commodities under production contracts? . . . 1314 — Total Dollars: $ _____ .00

4. Mark all inputs that were partially or completely paid or provided by contractor(s) -

1316	☐ Feeder livestock and poultry	1320	☐ Supplies	1323	☐ Veterinary Services
1317	☐ Feed	1325	☐ Seed	1324	☐ Breeding livestock
1318	☐ Fertilizer and lime	1321	☐ Fuels	1326	☐ Other - specify →
1319	☐ Chemicals	1322	☐ Utilities	1315	☐ None

5. Enter Contractor that provided inputs and owned the commodity

1327

07200140

SECTION 21 VALUE OF SALES

Report gross value of agricultural products sold from this operation in 2007. Include the value of your landlord's share, marketing charges, taxes, hauling, etc. Exclude dollars for items produced under production contracts.

		None	Dollars
1. Grains, oilseeds, dry beans, and dry peas -			
a. Corn for grain, seed, or silage	1391	☐	$ .00
b. Wheat	1392	☐	$ .00
c. Soybeans	1393	☐	$ .00
d. Sorghum for grain, seed, or silage	1394	☐	$ .00
e. Barley	1395	☐	$ .00
f. Rice	1398	☐	$ .00
g. Other - canola, dry edible beans, dry edible peas, flaxseed, oats, popcorn, rye, safflower, sunflower seed, etc.	1399	☐	$ .00
2. Tobacco	1332	☐	$ .00
3. Cotton and cottonseed	1333	☐	$ .00
4. Vegetables, melons, potatoes, and sweet potatoes, including beets, cabbage, cantaloupes, ginseng, pumpkins, sweet corn, tomatoes, watermelons, vegetable seeds and transplants, etc.	1334	☐	$ .00
5. Fruit, tree nuts, and berries, including almonds, apples, blueberries, cherries, grapefruit, grapes, hazelnuts, kiwifruit, oranges, pears, pecans, strawberries, walnuts, etc.	1335	☐	$ .00
6. Nursery, greenhouse, floriculture, and sod, including bedding plants, bulbs, cut flowers, flower seeds, foliage plants, mushrooms, nursery potted plants, shrubbery, etc.	1336	☐	$ .00
7. Cut Christmas trees and short rotation woody crops	1337	☐	$ .00
8. Other crops and hay, including grass seed, hay, grass silage, hops, maple syrup, mint, peanuts, sugarcane, sugarbeets, etc.	1338	☐	$ .00
9. Hogs and pigs	1341	☐	$ .00
10. Milk and other dairy products from cows	1340	☐	$ .00
11. Cattle and calves, including beef and dairy cattle for breeding stock, fed cattle, beef and dairy cull animals, stockers and feeders, veal calves, etc.	1339	☐	$ .00
12. Sheep, goats, and their products, including wool, mohair, milk, and cheese	1342	☐	$ .00
13. Horses, ponies, mules, burros, and donkeys	1343	☐	$ .00
14. Poultry and eggs, including broilers, chickens, turkeys, ducks, eggs, geese, hatchlings, pheasants, poultry products, etc.	1344	☐	$ .00
15. Aquaculture, including catfish, trout, ornamental and other fish, mollusks, crustaceans, etc.	1345	☐	$ .00
16. Other animals and other animal products, including bees, embryos, fur-bearing animals, honey, horns, manure, rabbits, semen, other animal specialties, etc.	1346	☐	$ .00
17. **TOTAL SALES -** Add items 1 through 16	1347	☐	$ .00

		None	Dollars
a. What was the value of your **landlord's share** of the total sales (item 17 above) produced by this operation? Exclude cash rent.	1349	☐	$ .00

07200157

DIRECT SALES FOR HUMAN CONSUMPTION

18. During 2007, did you produce, raise, or grow any crops, livestock, poultry, or agricultural products that were **sold directly to individual consumers for human consumption**? Include sales from roadside stands, farmers markets, pick your own, door to door, etc. Exclude craft items and processed products such as jellies, sausages, and hams.

		Dollars
1409	1 ☐ **Yes** - Gross value of these direct sales. 0920	$ .00
1410	Specify product(s) →	
	3 ☐ **No** - Go to SECTION 22 below	

SECTION 22 ORGANIC AGRICULTURE

1. Did this operation produce organic products (according to the National Organic Standards) for sale in 2007?

1248 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to item 7 below

2. Was this operation a certified organic operation?

1250 1 ☐ **Yes** - Specify agency or organization that certified the organic production below.

1252

3 ☐ **No** - Organic sales were exempt from certification.

		None	Number of Acres
3.	How many acres were used for organic production? 1430	☐	
	a. Acres from which organic crops were harvested? 1440	☐	
	b. Acres of organic pastureland? 1450	☐	

			Dollars
4.	What was the total value of sales for **crops produced and sold as organic** by this operation in 2007? Include hay, fruits, vegetables, greenhouse products, grains, and oilseeds. 1460	☐	$ .00
5.	What was the total value of sales for **livestock and poultry produced and sold as organic** by this operation in 2007? 1470	☐	$ .00
6.	What was the total value of sales for **livestock and poultry products produced and sold as organic** by this operation in 2007? Include eggs, milk, etc. 1480	☐	$ .00

			Number of Acres
7.	In 2007, how many acres were being converted to organic production? 1490	☐	

07200165

SECTION 23 COMMODITY CREDIT CORPORATION LOANS (CCC)

1. Did this operation receive any CCC loans in 2007? Include all CCC loans taken out in 2007, even if repaid.

1035 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 24 below

2. Total amount received in 2007 from CCC loans for all commodities. Include Austrian winter peas, barley, canola and other rapeseed, corn, cotton, crambe, dry edible peas, flaxseed, honey, lentils, mohair, mustard seed, oats, peanuts, rice, safflower, sesame seed, small chickpeas, sorghum, soybeans, sunflower seed, and wheat. . . . . 1411 — None ☐ — Dollars $ .00

SECTION 24 FEDERAL AND STATE AGRICULTURAL PROGRAM PAYMENTS

1. Did this operation receive any Federal, State, or local agricultural program payments in 2007? Exclude CCC loan payments. Also exclude CRP, WRP, FWP, and CREP payments reported in SECTION 4.

1036 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 25 below

2. Amount received from - (None / Dollars)

a. Direct payments as defined under the 2002 Farm Bill. . . . . 1420 — ☐ — $ .00

b. Counter-cyclical payments, loan deficiency payments (LDPs), marketing loan gains, and net value of commodity certificates. Include payments received through cooperatives. . . . . 1421 — ☐ — $ .00

c. Other Federal agricultural program payments. Include disaster payments and market loss payments, national dairy market loss payments, non-insured assistance program, EQIP (Environmental Quality Incentives Program), CSP (Conservation Security Program), livestock programs, and any other Federal programs. Exclude any type of insurance payments received. . . . . 1422 — ☐ — $ .00

d. State and local government agricultural program payments. . . . . 1423 — ☐ — $ .00

SECTION 25 INCOME FROM FARM-RELATED SOURCES

Report amount received before taxes and expenses in 2007.

(None / Dollars)

1. Customwork and other agricultural services provided for farmers and others, such as plowing, planting, spraying, harvesting, preparation of products for market, etc. Exclude if customwork was an entirely separate business from your agricultural operation. . . . . 0992 — ☐ — $ .00
2. Payments received from **cash rent** or **share payments** from renting out farmland or payments from lease of allotments. Include payments for livestock pastured on a per-head basis, per-month basis, AUM basis, etc. . . . . 0993 — ☐ — $ .00
3. Sales of forest products. Include timber, firewood, etc. Exclude sales of Christmas trees, short rotation woody crops, and maple products. . . . 0994 — ☐ — $ .00
4. Agri-tourism and recreational services, such as farm or winery tours, hay rides, hunting, fishing, etc. . . . . 1401 — ☐ — $ .00
5. Patronage dividends and refunds from cooperatives. . . . . 1402 — ☐ — $ .00
6. Crop and livestock insurance payments received. Exclude payments received from casualty insurance, vehicle liability, blanket policies, and operator dwelling insurance. . . . . 1404 — ☐ — $ .00
7. Other income which is closely related to the agricultural operation. Include renting and leasing farm machinery and trucks, renting and leasing of livestock, animal boarding, tobacco quota buyouts and settlements, state fuel tax refunds, farm-generated energy, etc. Specify below. ¬

[ ] . . . 1403 — ☐ — $ .00

07200173

SECTION 26 PRODUCTION EXPENSES

Report total production expenses paid for this operation in 2007. Include expenses paid by your landlords and expenses connected with performing customwork for others. Exclude expenses not related to the farm business and any expenses paid by the contractor.

EXPENSES PAID BY THIS OPERATION AND ITS LANDLORD(S)		None	Dollars
1. Fertilizer, lime, and soil conditioners purchased - Include cost of custom application and organic materials.	1501	☐	$ .00
2. Chemicals purchased such as insecticides, herbicides, fungicides, other pesticides, etc. - Include cost of custom application.	1502	☐	$ .00
3. Seeds, plants, vines, trees, etc. purchased - Include technology or other fees, seed treatments, and seed cleaning cost. Exclude items purchased for resale without additional growth.	1503	☐	$ .00
4. Breeding livestock purchased or leased, regardless of age - Include dairy cattle.	1504	☐	$ .00
5. All other livestock and poultry purchased or leased - Include stocker and feeder cattle, calves, sheep, lambs, feeder pigs, chicks, pullets, poults, horses, fish, goats, bee colonies, etc. Include livestock leasing expense.	1505	☐	$ .00
6. Feed purchased for livestock and poultry - Include grain, hay, silage, mixed feeds, concentrates, supplements, premixes, etc.	1506	☐	$ .00
7. Gasoline, fuels, and oils purchased for the farm business - Include diesel, natural gas, LP gas, motor oil and grease, etc.	1507	☐	$ .00
8. Utilities purchased for the farm business - Include electricity, farm share of telephone, water purchased, etc.	1508	☐	$ .00
9. Repairs, supplies, and maintenance costs for the farm business.	1509	☐	$ .00
10. Labor -			
a. Hired farm and ranch labor - Include employer's cost for social security, workman's compensation, insurance premiums, pension plans, etc.	1510	☐	$ .00
b. Contract labor - Include expenses for labor, such as harvesting of fruit, vegetables, berries, etc. performed on a contract basis by a contractor, crew leader, etc.	1511	☐	$ .00
11. Customwork and custom hauling, such as custom planting, harvesting, etc. and custom hauling of grain, livestock, milk, manure, etc.	1512	☐	$ .00
12. Rent -			
a. Cash rent paid in 2007 for land and buildings - Include grazing fees.	1513	☐	$ .00
b. Rent and lease expenses for machinery, equipment, and farm share of vehicles - Exclude custom hire.	1514	☐	$ .00
13. Interest paid on debts -			
a. Secured by real estate.	1515	☐	$ .00
b. Not secured by real estate.	1516	☐	$ .00
14. Property taxes paid in 2007 - Include farm real estate, machinery, livestock, etc. for the farm business. Exclude taxes paid by this operation's landlords.	1517	☐	$ .00
15. Other production expenses - Include animal health cost, storage and warehousing, marketing expenses, insurance, etc. Exclude health insurance premiums and payroll taxes.	1518	☐	$ .00

07200181

EXPENSES PAID BY LANDLORD(S)

	None	Dollars
16. How much did your landlord(s) pay for the production expenses for this operation in 2007? 1519	☐	$ .00

DEPRECIATION

	None	Dollars
17. What was the total depreciation expense claimed by this operation in 2007 for all capital assets? Estimate 2007 from 2006 if necessary. 1520	☐	$ .00

SECTION 27 FARM LABOR

	None	Number of Hired Workers
1. How many hired farm or ranch workers, including paid family members and office workers -		
a. Worked less than 150 days on this operation in 2007? Exclude contract labor. 0941	☐	
b. Worked 150 days or more on this operation in 2007? Exclude contract labor. 0942	☐	

2. Were any migrant workers on this operation in 2007? Include hired and contract workers. A migrant worker is a farm worker whose employment required travel that prevented the migrant worker from returning to his/her permanent place of residence the same day. . . . . 1573 1 ☐ **Yes** 3 ☐ **No**

SECTION 28 FERTILIZERS AND CHEMICALS APPLIED

1. Were any fertilizers, manure, herbicides, insecticides, fungicides, nematicides, other pesticides, growth regulators, or other chemicals used on this operation during 2007? Include rock phosphate, lime, and gypsum as fertilizer.

1568 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 29

	None	Number of Acres
2. Commercial fertilizer and soil conditioners applied to -		
a. Cropland in 2007 - Exclude cropland used only for pasture. 0932	☐	
b. Pastureland and rangeland acres in 2007 - Include cropland used only for pasture or grazing. 0933	☐	
3. Acres of cropland and pastureland on which animal manure was applied. 1569	☐	

		Number of Acres
4. Acres treated with chemicals to control the items listed below. The same acres can be reported in more than one item below. However, report acres only once for each item regardless of the number of applications.		
a. Insects. 0936	☐	
b. Weeds, grass, or brush - Include both pre-emergence and post emergence. 0939	☐	
c. Nematodes. 0937	☐	
d. Diseases in crops and orchards such as blight, smut, rust, etc. . . . 0938	☐	
5. Acres of crops treated to control growth, thin fruit, ripen, or defoliate. . 0940	☐	

07200199

SECTION 29 MARKET VALUE OF LAND, BUILDINGS, MACHINERY, AND EQUIPMENT

1. Report your estimate of the **current market value** of land and buildings reported in SECTION 1, items 1, 2, and 3 on page 2 for -

	None	Estimated Market Value (Dollars)
a. All land and buildings owned. 0996	☐	$ .00
b. All land and buildings rented or leased from others. 0997	☐	$ .00
c. All land and buildings rented or leased to others. 0998	☐	$ .00

2. What is your estimate of the **current value of all machinery, equipment, and implements** used for farm-related activities on this operation, regardless of ownership, on **December 31, 2007**? Include cars, trucks, tractors, tools, combines, plows, disks, harrows, dryers, pumps, motors, irrigation equipment, dairy equipment, tanks, feeders, grinding and mixing equipment, computers, etc. that were kept on this operation and used for this farm or ranch business in 2007. . . . . 0943 ☐ Estimated Market Value (Dollars) $ .00

SECTION 30 MACHINERY AND EQUIPMENT

1. For the items listed below, report the number on this operation on **December 31, 2007.** Include machinery, equipment, and implements used for the farm or ranch business in 2006 or 2007, and usually kept on the operation.

	None	Number on this operation **December 31, 2007**	None	Of these, the number manufactured in the last 5 years (2003-2007)
a. Trucks, including pickups. 0944	☐		☐	
b. Tractors less than 40 horsepower (PTO) - Exclude garden tractors. 0946	☐		☐	
c. Tractors 40 - 99 horsepower (PTO). . . 0948	☐		☐	
d. Tractors 100 horsepower (PTO) or more. 0962	☐		☐	
e. Grain and bean combines, self-propelled. 0950	☐		☐	
f. Cotton pickers and strippers, self-propelled. 0956	☐		☐	
g. Forage harvesters, self-propelled. . . . 0953	☐		☐	
h. Hay balers. 0960	☐		☐	

07200207

SECTION 31 AGRICULTURAL ACTIVITY WITHIN THE BORDERS OF AMERICAN INDIAN RESERVATIONS, PUEBLOS, AND SERVICE AREAS

1. Did this operation use any land for livestock or cropland within the borders of an American Indian Reservation, Pueblo, or Service Area at any time during 2007?

   1050 1 ☐ **Yes** - Complete this section 3 ☐ **No** - Go to SECTION 32 below

2. Mark the type(s) of land this operation used within the American Indian Reservation, Pueblo, or Service Area.

   1058 ☐ owned or deeded 1059 ☐ trust (tribal or allotted) 1060 ☐ other, specify →

3. Enter the name and state of the American Indian Reservation, Pueblo, or Service Area where the agricultural activity occurred.

	Reservation, Pueblo, or Service Area Name		State
1051		1052	

4. How many total acres did this operation use for livestock or cropland within this Reservation, Pueblo, or Service Area in 2007? Exclude land used on a per-head or animal unit month (AUM) basis. 1053

   a. How many of these acres were harvested cropland? 1054

Number of Acres

5. In 2007, did this operation have any livestock within the borders of an American Indian Reservation, Pueblo, or Service Area? Include livestock on land used on a per-head or animal unit month (AUM) basis.

   1056 1 ☐ **Yes** - Continue 3 ☐ **No** - Go to SECTION 32 below

   a. On **December 31, 2007,** what percent of this operation's livestock was on this Reservation, Pueblo, or Service Area?

   1057 1 ☐ None 3 ☐ 26 - 50 percent 5 ☐ 76 - 99 percent
   2 ☐ 1 - 25 percent 4 ☐ 51 - 75 percent 6 ☐ 100 percent (all livestock)

SECTION 32 PRACTICES

1. At any time during 2007, did this operation -

a. Have Internet access?	1603	1 ☐ Yes	3 ☐ No
b. Have high speed Internet access?	1604	1 ☐ Yes	3 ☐ No
c. Use more than 5,000 gallons of water in any one day for any purpose? . . .	1721	1 ☐ Yes	3 ☐ No
d. Receive irrigation water supplied by a U. S. Bureau of Reclamation project or facility? Include reclamation water delivered by a local district.	1722	1 ☐ Yes	3 ☐ No
e. Generate energy or electricity on the farm using wind or solar technology, methane digester, etc.?	1723	1 ☐ Yes	3 ☐ No
f. Use conservation methods such as no-till or limited tilling, filtering runoff to remove chemicals, fencing animals from streams, etc.?	1724	1 ☐ Yes	3 ☐ No
g. Practice rotational or management intensive grazing?	1725	1 ☐ Yes	3 ☐ No
h. Pay on a per-head or animal unit month (AUM) basis for livestock to graze on any land (private, Federal, State, Indian Reservation, etc.)?	1720	1 ☐ Yes	3 ☐ No
i. Produce and sell value added crops, livestock, or products such as beef jerky, fruit jams, jelly, preserves, floral arrangements, etc.?	1726	1 ☐ Yes	3 ☐ No
j. Market products through a community supported agriculture (CSA) arrangement?	1727	1 ☐ Yes	3 ☐ No
k. Raise or sell veal calves?	1728	1 ☐ Yes	3 ☐ No
l. Raise or sell hair sheep or wool-hair crosses?	1729	1 ☐ Yes	3 ☐ No
m. Have a barn that was built prior to 1960?	1730	1 ☐ Yes	3 ☐ No

07200215

SECTION 33 TYPE OF ORGANIZATION

1. Mark the **one** item which best describes this operation in 2007.

1671 1 ☐ Family or individual operation - Exclude partnerships and corporations.

2 ☐ Partnership operation - Include family partnerships.
- Is this partnership registered under state law? 1567 1 ☐ Yes 3 ☐ No

3 ☐ Incorporated under state law -
- Is this a family-held corporation? 1681 1 ☐ Yes 3 ☐ No
- Are there more than 10 stockholders? 1683 1 ☐ Yes 3 ☐ No

4 ☐ Other, such as estate or trust, prison farm, grazing association, American Indian Reservation, etc. - specify type → ☐

SECTION 34 OPERATOR CHARACTERISTICS

1. In 2007, how many operators (individuals) were involved in the day-to-day decisions for this operation? Enter the number of operators and the number of women operators. Exclude hired workers unless they were a hired manager or family member. 1575

Total Number of Operators	Women Operators

2. Answer the following questions for up to three primary operators of this operation as of **December 31, 2007**.

	Principal Operator or Senior Partner	Operator 2	Operator 3
a. Name →			
b. Sex of operator	0926 1 ☐ Male 2 ☐ Female	1586 1 ☐ Male 2 ☐ Female	1597 1 ☐ Male 2 ☐ Female
c. At which occupation did the operator spend the majority (50 percent or more) of his/her worktime in 2007?	0928 **Mark one answer only.** 1 ☐ Farm or ranch work 2 ☐ Other	1580 **Mark one answer only.** 1 ☐ Farm or ranch work 2 ☐ Other	1591 **Mark one answer only.** 1 ☐ Farm or ranch work 2 ☐ Other
d. Is this operator retired?. .	0924 1 ☐ Yes 3 ☐ No	1582 1 ☐ Yes 3 ☐ No	1593 1 ☐ Yes 3 ☐ No
e. How many days did the operator work off this operation in 2007? Include days in which the operator worked at least 4 hours per day in an off-farm job. Include work on someone else's farm for pay.	0929 **Mark one answer only.** 1 ☐ None 2 ☐ 1 - 49 days 3 ☐ 50 - 99 days 4 ☐ 100 - 199 days 5 ☐ 200 days or more	1831 **Mark one answer only.** 1 ☐ None 2 ☐ 1 - 49 days 3 ☐ 50 - 99 days 4 ☐ 100 - 199 days 5 ☐ 200 days or more	1931 **Mark one answer only.** 1 ☐ None 2 ☐ 1 - 49 days 3 ☐ 50 - 99 days 4 ☐ 100 - 199 days 5 ☐ 200 days or more
f. Did the operator live on this operation at any time in 2007?	0923 1 ☐ Yes 3 ☐ No	1581 1 ☐ Yes 3 ☐ No	1592 1 ☐ Yes 3 ☐ No

07200223

	Principal Operator or Senior Partner	Operator 2	Operator 3
g. In what year did the operator begin to operate any part of this operation?	0930	1584	1595
h. What was the operator's age on December 31, 2007?	0925 years	1585 years	1596 years
i. Is the operator of Spanish, Hispanic, or Latino origin or background, such as Mexican, Cuban, or Puerto Rican, regardless of race?	0927 Spanish, Hispanic, or Latino origin 1 ☐ Yes 3 ☐ No	1587 Spanish, Hispanic, or Latino origin 1 ☐ Yes 3 ☐ No	1598 Spanish, Hispanic, or Latino origin 1 ☐ Yes 3 ☐ No
j. What is the operator's race?	**Mark one or more.** 1703 ☐ American Indian or Alaska Native, specify tribe 1705 ☐ Asian 1702 ☐ Black or African American 1704 ☐ Native Hawaiian or Other Pacific Islander 1701 ☐ White	**Mark one or more.** 1803 ☐ American Indian or Alaska Native, specify tribe 1805 ☐ Asian 1802 ☐ Black or African American 1804 ☐ Native Hawaiian or Other Pacific Islander 1801 ☐ White	**Mark one or more.** 1903 ☐ American Indian or Alaska Native, specify tribe 1905 ☐ Asian 1902 ☐ Black or African American 1904 ☐ Native Hawaiian or Other Pacific Islander 1901 ☐ White
k. How many people lived in the operator's household in 2007?	Number of persons living in Principal Operator's household 1577 number	Number living in household of Operator 2. Enter "0" if this operator has been counted in the previous column. 1589 number	Number living in household of Operator 3. Enter "0" if this operator has been counted in the previous columns. 1600 number
l. Is this operator a hired manager for this operation?	1576 1 ☐ Yes 3 ☐ No	1588 1 ☐ Yes 3 ☐ No	1599 1 ☐ Yes 3 ☐ No

HOUSEHOLD INCOME

	Number
3. In 2007, how many households shared in the net farm income of this operation? 1608	

4. What was the total household income of the **principal** operator in 2007? Include net income from farming, wage or salary income from all sources, social security, and investment income.

1678
1 ☐ less than $20,000 3 ☐ $30,000 to $39,999 5 ☐ $50,000 or more
2 ☐ $20,000 to $29,999 4 ☐ $40,000 to $49,999

	Percent (%)
5. In 2007, what percent of the principal operator's total household income came from this operation? 1578	

07200231

SECTION 35 CONCLUSION

1. Is it possible the information on this form would be duplicated on a form with another name or address?

1080 1 ☐ **Yes** - Please provide the other name and address below 3 ☐ **No** - Go to Item 2

Name
1081

Address
1082

City
1083

State
1084

Zip
1085

2. Do you (the individual named on the label) make any day-to-day decisions for **another** farm or ranch? It is important that the Census of Agriculture accurately accounts for all of your farm or ranch operations.

1086 1 ☐ **Yes** - Continue 3 ☐ **No** - Go to Item 3

a. Did you receive a 2007 Census of Agriculture report form for this additional farm or ranch?

1087 1 ☐ **Yes** - Go to item 3 3 ☐ **No** - Enter the information of the additional farm or ranch below

Additional Farm or Ranch
1088

Area Code and Phone Number
1089 - -

b. Did you include all data from this additional farm or ranch on THIS REPORT? Do not make changes to the data in this report, regardless of your answer.

1091 1 ☐ **Yes** 3 ☐ **No**

3. Please print the information below for the person completing this form.

Name
1092

Area Code and Phone Number
1093 - -

Date (MM-DD-YYYY)
1094 - -

THANK YOU FOR YOUR COOPERATION.

Questions? Call us toll free at 1-888-424-7828.

A wide variety of agricultural statistics is available from the National Agricultural Statistics Service (NASS). Check out the NASS reports, data products, and services on the Internet at www.nass.usda.gov

According to Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB number. The time required to complete this information collection is estimated to average 50 minutes per response.

07200249

FORM 07-A02(I)
(10/06)

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL STATISTICS SERVICE
For additional help, call 1-888-424-7828
Para ayuda adicional, llamar al 1-888-424-7828

INSTRUCTION SHEET
UNITED STATES 2007 CENSUS OF AGRICULTURE

Who Should Report – A reply is needed from everyone who received a report form, including both persons who operated a farm, ranch or other agricultural operation in 2007 as well as those who were not involved in agriculture. Your report is due by February 4, 2008. More census information is on the Internet at www.nass.usda.gov/Census_of_Agriculture/

If you farmed in 2007, complete the enclosed report form and return it in the preaddressed envelope.

If you were a landlord only and rented out all of your land, complete sections 1 and 35 of the enclosed report form and return it in the preaddressed envelope. Even if you were a landlord but still operated any land yourself, you should complete the entire report form for that land which you operated.

If you had no land and no agricultural operations, return the report form with a note indicating your status on the front of the form below the address label.

Specialty Commodities - Horses, bees, elk, emus, fish, nursery, etc., are an important part of the agriculture industry. Report for all items, regardless of the amount of production or sales you had in 2007.

Land in Federal conservation programs in 2007 - If you had land in the Conservation Reserve Program (CRP), Wetlands Reserve Program (WRP), Farmable Wetlands Program (FWP), or Conservation Reserve Enhancement Program (CREP) and you made the decisions on the acres, include the conservation land on this report form in sections 1, 2, and 4.

If you owned farm or ranch land in 2007 that was idle and NOT rented out, you should complete and return the report form.

Partial Year Operations - If you stopped farming during 2007, complete the report form for the portion of the year that you did farm. Write "Stopped farming during 2007" and the date you stopped farming below the address area. Mail the completed report form in the return envelope.

Involved In More Than One Operation - If you made decisions for more than one operation, you should have received a report form for each operation. Provide information for each operation on a separate form. To obtain additional report forms, please call the toll-free help line at 1-888-424-7828.

Received More Than One Report Form For the Same Operation - If you received more than one report form for the same operation, complete only ONE form per operation. Write "Duplicate" below the address area of each extra form. Return all forms in the same return envelope with your completed form so that we can correct our records.

Have a Partnership Operation - Complete only ONE form for the entire partnership's agricultural operation and include ALL partners' shares on the one form. If you made decisions for more than one partnership operation, complete a report form for each separate operation. We have listed all the known partners below the address area to assist in defining the operation. Make any necessary corrections to these names. If you have questions, please call the toll-free help line, 1-888-424-7828.

Entering Your Responses - Use BLUE or BLACK INK only. Enter your replies in the unit requested, i.e., dollars, bushels, tons, etc. When reporting dollars, report in whole dollars only. Convert fractions to decimals. Please print clearly and keep numbers and letters within the white boxes. Mark all applicable Yes/No and None boxes with an "X".

INSTRUCTIONS FOR SPECIFIC SECTIONS

SECTION 1 – ACREAGE IN 2007

Your answers in this section will determine the land **(Acres in "THIS OPERATION")** referred to throughout the report form. Include land associated with your agricultural operation in 2007, whether in production or not. Include all land that you owned or rented during 2007, even if only for part of the year. Exclude residential or commercial land. Report in whole acres.

Item 1 - Report all land owned in 2007 whether held under deed, purchase contract or mortgage, homestead law, or as heir/heiress or trustee of an undivided estate. Include all land owned by you and/or your spouse, or by the partnership, corporation, or organization named on the front of the report form.

Item 2 - Report all land rented or leased by you or your operation. Exclude land used under Government grazing permits or on a per-head or animal unit (AUM) basis. Bureau of Land Management (BLM) section 15 land leased by your operation with a specified acreage tract should be included here even though your fees to BLM are paid on an AUM basis.

Item 3 - Include all land rented out for any purpose if it was part of the acreage reported in items 1 and 2. Your tenant(s) will receive a form to report production for the land they rent. Do not report land placed in conservation programs as acres rented to others.

Item 4 - This is all land you operated at any time in 2007. Land use should be reported for these acres.

Total acres equals zero (0) - After completing section 1, if the acres in item 4 equal zero and you did not raise or own any livestock, aquaculture, or poultry in 2007, skip to and complete section 35. Write "All land rented out" in the space below section 1 if all your land was operated by a renter or sharecropper. Mail the report form in the return envelope.

SECTION 2 - LAND

The sum (item 5) of the acres entered in items 1 - 4 should equal the total acres in section 1, item 4, which is "this operation" for this census report. Do not report any crops grown on land rented or leased to others or worked by others on shares during 2007.

Land used for more than one purpose - Do not report the same acreage in more than one of the listed categories. If part or all of your land was used for more than one listed purpose in 2007, report that land only in the first purpose listed. For example, if you planted and harvested a grain crop and grazed the crop residue in the fall, report the land in item 1a, cropland harvested. Do not report it again in item 2c, cropland used **only** for pasture or grazing.

CRP/WRP and other conservation programs - Report acres in items 1 through 3 that best describes these acres. For example, CRP land may be reported in cropland harvested, idle cropland, or woodland not pastured depending on its use.

Item 1a -

Double cropping or interplanted crops - If more than one crop was harvested from the same land in 2007, report that land only once as cropland harvested.

Christmas trees to be cut and short rotation woody crops - Report the acres for these types of crops that were cut in 2007 and will be cut in later years as cropland harvested.

Skip row planted crops - Report the acres that represent planted rows as cropland harvested, item 1a. Report the acres that represent the total non-planted or skipped rows as cropland idle in item 1d.

Item 1c - Include cropland left unseeded for the 2007 harvest and summer fallowed, cultivated by tillage, or treated with herbicides to control weeds and conserve moisture. Include cropland summer fallowed in 2007 even though it may have been planted to wheat, etc., for the 2008 harvest.

SECTION 3 - IRRIGATION

Include acres irrigated by all methods and from all water sources including those irrigated from lagoons through a sprinkler or flood system.

SECTION 4 – CONSERVATION RESERVE PROGRAM AND CROP INSURANCE

Item 2 - Report all acres covered by any crop insurance policy in 2007. Include land in pasture insurance programs and acres covered by guaranteed revenue policies.

SECTION 5 – FIELD CROPS

Acres harvested - Enter the acres harvested in 2007. Round fractions to whole acres except for tobacco where tenths should be reported.

Total quantity harvested - If your unit of measure is different than the unit requested on the report form, convert your figure for the quantity harvested to the unit requested. If the harvest was incomplete by December 31, 2007, estimate the total quantity to be harvested.

Acres irrigated - Report the irrigated harvested acres only once, even if the crop was irrigated multiple times during the growing season.

Double cropping - If two or more crops were harvested from the same land (double cropping), report the total acres and production of each harvested crop.

Interplanted crops - If two crops were grown at the same time in alternating strips in the same field, report the acreage of the field used for each crop.

Skip row planting - If a crop was planted in an alternating pattern of planted and non-planted rows, such as two rows planted and two rows skipped, report the acreage occupied by the crop and report the skipped portion as cropland idle in section 2, item 1d.

Sweet corn harvested for seed is reported as crop code 0740 and the value of sales is reported in section 21, item 4.

SECTION 6 – GRAIN STORAGE CAPACITY

Report total capacity of all structures normally used, even if they were not used in 2007. Do not report any capacity or usage of off-farm public storage or capacity of structures leased to others.

SECTION 7 – HAY AND FORAGE CROPS

Include hay and forage from alfalfa, wild or native grasses, small grains, soybeans, and peanuts. Report production in tons. Any pasture or conservation land that had hay cut from it should be reported as cropland harvested in section 2, item 1a.

SECTION 8 – WOODLAND CROPS AND MAPLE SYRUP

Cut Christmas trees - Acres in production of cut Christmas trees include both those to be harvested in future years as well as those harvested in 2007. Trees cut should include only those trees cut in 2007.

Short rotation woody crops - A short rotation woody crop is a tree that is harvested in 10 years or less. These are trees for use by the paper or pulp industry or as engineered wood. Exclude trees cut for timber. Acres harvested in 2007 should be reported as having been both in production and harvested. Acres not harvested in 2007 should be reported in production only.

Maple syrup - Producers should report number of taps and gallons of syrup. If sap was sold, estimate the number of gallons of syrup it would have produced. Report the acres of tapped maple trees in section 2, item 3, woodland not pastured.

SECTION 9 – NURSERY, GREENHOUSE, FLORICULTURE, SOD, MUSHROOMS, VEGETABLE SEEDS, AND PROPAGATIVE MATERIALS

Report Christmas trees grown on this operation and sold live as nursery stock, code 0488. Value of sales should be reported only for those items grown on the operation, not items bought for immediate resale. Report all acres of Christmas trees in production for cut Christmas trees and the number cut in 2007 in section 8.

SECTION 10 – VEGETABLES, POTATOES, AND MELONS

For crops planted more than once during the year, report the total acres harvested during 2007. For example, if 1 acre was planted to lettuce, harvested, and an additional acre was planted and harvested, report 2 acres of lettuce under total acres harvested.

SECTION 11 – FRUIT AND NUTS

Report fruit and nut trees only if there was a combined total of 20 or more trees and vines whose production was either for home use or for sale. Exclude abandoned acres of orchards or vineyards which should be reported in section 2, item 1d. Bearing age acres are the acres of trees or vines that produced any fruit or nut crop in 2007 or previous years. If fruit and nut trees and vines were interplanted with other crops, report only the total acres for the orchard in section 11, and the total acres of each interplanted crop in their appropriate section(s).

SECTION 12 - BERRIES

Do not include abandoned acres or acres harvested for home use.

SECTIONS 13, 15, AND 16 – CATTLE AND CALVES, POULTRY, AND HOGS AND PIGS

Include all animals on this operation on December 31, 2007 owned by you, raised by you under contract, or kept by you for others. Include animals on unfenced lands, National Forest land, Indian Reservation Land, cooperative grazing association land, or rangeland administered by the Bureau of Land Management on a per-head, animal unit month (AUM), or lease basis. Animals in transit on December 31, 2007, should be reported by the person who had control of the animals on that day. Report beefalo as cattle in section 13. Report buffalo as bison in section 19.

Contract and custom feeding operations – Report numbers of animals or poultry on this operation on December 31, 2007. Report as sold, animals and poultry kept on a contract or custom basis and moved or sold from this operation in 2007. Report in section 20 on the appropriate line the quantity delivered of custom fed livestock or production contract livestock and poultry and report the dollar amount received from the contractor in section 20, item 3.

Cattle, hogs, and poultry to exclude from the report form - Exclude animals or poultry kept on land rented to others or kept under a share arrangement on land rented to others. Exclude animals quartered in feedlots that were not located on this operation. Do not report the sales of animals bought and then resold within 30 days. Such purchases and sales are considered dealer transactions.

Number sold - Report all animals and poultry sold or moved from this operation in 2007, without regard to ownership or who shared in the receipts. Include animals sold for a landlord or given to a landlord or others in trade or in payment for goods or services. Do not report number sold of any hogs and pigs, cattle and calves, or poultry owned by you that were kept and sold from a location that you did not operate.

Animals moved from this operation - For animals moved from this operation to another, such as for further feeding, report them as "sold". Cattle moved are not considered sold if they were moved to another operation for a short term, such as winter wheat or corn stubble grazing, or during the winter to public grazing land.

Cattle in feedlots -

Do NOT include in cattle in feedlots:

- Cattle and calves sold or moved off the operation for further feeding
- Veal calves or any calves weighing less than 500 pounds
- Cull or dairy cows fed only the usual dairy ration before being sold

SECTION 14 – SHEEP AND LAMBS OWNED

Item 2 - Report sheep, lambs, and ewes owned by you regardless of their location. Include ewes owned in both item 2 and item 2a. Report pounds of wool shorn in 2007 only.

Contract and Custom Feeding Operations – Do not report inventory of sheep and lambs that were not owned by you. They are to be reported on the owner's report form.

SECTION 17 – AQUACULTURE

Include all sizes for each type. On a separate line, specify the sale of fish eggs, fry, or fingerlings for each type. Convert units such as bushels, bags, or gallons to number or pounds.

SECTION 18 – COLONIES OF BEES
Report the number of bee colonies for honey or pollination owned regardless of location. Report the total colonies of honey bees or pollination bees sold during 2007. Report the pounds of honey collected in 2007 whether sold or not sold. Report the value of sales of honey, bee colonies, beeswax, pollen, package bees, and leaf cutter bees in section 21, item 16. Report the quantity of package bees produced in section 19, item 16.

SECTION 19 – OTHER ANIMALS AND LIVESTOCK PRODUCTS
Item 2 - Report in item 2 the total number of horses on this operation regardless of ownership on December 31, 2007. In item 2a, report only those horses in item 2 that were owned and sold by this operation. Exclude horses owned by this operation but stabled elsewhere.
Items 4, 5, and 6 - Report goats based on utilization regardless of breed.
Items 12 and 13 - If mink pelts and rabbit pelts were sold in 2007, include in number sold. Retained pelts should be included in inventory. The value of pelt sales should be reported in section 21, item 16.
Item 16 - Include bees wax, bee pollen, package bees and feathers.

SECTION 20 – PRODUCTION CONTRACTS AND CUSTOM FEEDING
A production contract is an agreement between a grower and contractor (integrator) that specifies that the grower will raise an agricultural commodity and that the contractor will provide certain inputs such as feed, fertilizer, etc. The grower receives a payment or fee from the contractor, generally after delivery, which is usually less than the full market price of the commodity. The contractor takes possession of the raised commodity at the end of the growing period.

Report amount of the specified commodity that you raised and delivered under a production contract in the unit requested in item 2. If you had contracts with more than one integrator or contractor for a single commodity, combine the production of all contracts and report the total units produced for that commodity in the proper category. If you had multiple contracts to produce different commodities, report the appropriate amount of each commodity produced under each contract in the proper categories. Report the total amount the contractor paid you for producing the commodity(s) in item 3. Exclude marketing contracts, futures contracts, forward contracts, or other contracts based strictly on price.

SECTION 21 – VALUE OF SALES
Report the value of all crops and livestock sold from this operation in 2007 on the appropriate line(s) of section 21. Report the sales in 2007 regardless of the year crops were harvested or raised. Include the value of your landlord's share of the commodities harvested. Also, report as sold commodities, such as cattle, that you owned and moved to someone else's operation for further feeding. Report gross value before expenses and taxes. Include payments received in 2007 from cooperatives or marketing organizations for crops produced on this operation regardless of the year in which the crops were harvested. Also, include as sales your estimate of the value of any crop or livestock removed from this operation in trade of services, such as baled hay for labor or other services. Report the total value you received for animals and poultry sold from this operation in 2007, without deducting production or marketing expenses (cost of feed, cost of livestock purchased, cost of hauling and selling, etc.).

Do NOT include:
- Proceeds from CCC loans or other government payments.
- The value of sales of any livestock and poultry owned by you that were kept and sold from a location you did not operate.
- Commodities grown under a production contract.

Item 6 - Exclude crops bought for resale without additional growing, such as plugs and started plants or garden center items, such as pot liners, chemicals, and fertilizers.
Item 17a - If you rented land under a share arrangement, report your landlord's share of the crop and livestock sales included in item 17.
Item 18 - Include only those commodities sold directly for human consumption, such as vegetables, fruit, eggs, milk, cattle, chickens, hogs, turkeys, etc. Report only commodities grown or raised on this operation. Exclude crops, livestock, poultry, or other products that you bought and resold within 30 days. Exclude craft items such as bird houses, woodwork, etc.

SECTION 22 – ORGANIC AGRICULTURE
A farm produces organic products if it operates according to the practices outlined in the National Organic Standards. Farms exempt from certification because they sell less than $5,000 in organic products a year should also report in this section. Acres used for organic production include pastureland and acres where crops were harvested, as well as any acres not used in the census year because crops failed, land was in a cover rotation, or crops were not yet of bearing age. Total sales of organic products include all sales of the products, regardless of whether an organic premium was obtained.
Item 7 - Acres being converted to organic production apply to all acres in the farm operation that are in the three year transition period before land can be certified as organic. Acres reported in item 7 should not be reported in item 3.

SECTION 23 – COMMODITY CREDIT CORPORATION (CCC) LOANS
Report amount received for commodities placed under CCC loan during 2007. Include amount received even if commodity was redeemed or forfeited prior to December 31, 2007. Exclude CCC loans to build crop storage facilities.

SECTION 24 – FEDERAL AND STATE AGRICULTURAL PROGRAM PAYMENTS
For conservation program cost shares, include the government's share of the amount paid. Exclude any payments from loans or programs which must be repaid.

SECTION 25 – INCOME FROM FARM-RELATED SOURCES
Report only those income producing activities for which you used part of the land, machinery, equipment, labor, or capital normally used on this operation and which you do not consider as entirely separate from your farming activities. Include insurance payments for crop or livestock losses in item 6. Report gross amounts received before taxes and expenses.

Item 2 - Exclude rental income from nonfarm property.
Item 3 - Include only those forest products cut from this operation, not items cut from other nonfarm timber acreage. Exclude income from a sawmill business. Report sales of Christmas trees or maple syrup or sap products in section 21.

SECTION 26 – PRODUCTION EXPENSES
Include farm production expenses paid by you or your landlord(s) for crops, livestock, or poultry produced on this operation in 2007 in items 1 through 15. Include expenses associated with the generation of farm-related income reported in Section 25. Include expenses incurred in 2007 even if they were not paid in 2007. Estimate if exact figures are not known.

Contract growers or custom feeders - Do not report as production expenses, the value of inputs provided by the contractor or livestock owner. Identify the items that were contractor provided in section 20, item 4.

Item 2 - Include surfactants and oils and other products used to increase a chemicals effectiveness.
Item 6 - Report the purchase cost of all grains, silage, hay, commercially mixed and premixed feeds, ingredients, concentrates, etc., fed to livestock or poultry on this operation. Contract livestock and poultry growers should not report the value of feed that was provided by a contractor. Do not report the value of feed raised and fed on this operation as an expense.
Item 9 - Include the cost of repairs and upkeep of farm machinery, vehicles, buildings, fences, and other equipment used in the farm business. Include expenses for repairs to machinery and equipment used only for customwork if income from those machines is reported in section 25. Exclude repairs to vehicles not used in the farm business. Exclude expenditures for the construction of new buildings or the cost of additions to existing buildings.

Item 10a - Include labor expense for the farm business for gross salaries and wages, commissions, dismissal pay, vacation pay, and bonuses paid to hired workers, family members, hired managers, administrative and clerical employees, and salaried corporate officers. Include cost for benefits such as employer's social security contributions, unemployment compensation, workman's compensation insurance, employer paid life and medical insurance expense, pension plans, etc.
Item 10b - Include the labor costs of workers furnished on a contract basis by labor contractor, crew leader, or cooperative for harvesting vegetables or fruit, shearing sheep, or similar farm activities. Exclude costs for building or repair work done by a construction contractor. Report the cost of customwork or machine hire in item 11.
Item 12a - Exclude rent paid for operator dwelling or other nonfarm property. Exclude the value of shares of crops or livestock paid to landlords.
Item 13 - Report all interest expenses paid in 2007 for the farm business. Include interest paid on CCC loans in item 13b. Exclude interest associated with activities not related to production of crops or livestock on this operation, such as land or buildings rented to others, packing sheds, or feed mills that provided services to others. Exclude interest on owner/operator dwelling where the amount is separated from the interest on the land and buildings on this operation.
Item 14 - Include real estate property taxes you paid on the acres and buildings you owned and used in the farm business and property taxes on equipment or livestock. Exclude property taxes on land or buildings rented to someone else, property taxes paid on other property not associated with the farm business, income, social security, and excise taxes.

SECTION 27 – FARM LABOR
Report the number of paid farm or ranch workers who performed agricultural labor on this operation in 2007. Include paid family members. Include workers such as hired bookkeepers, office workers, maintenance workers, etc., if their work was primarily associated with agricultural production on this operation. Include in item 1a any short term or temporary workers who may have worked only a few days. Exclude contract labor in items 1a and 1b.

SECTION 28 – FERTILIZERS AND CHEMICALS APPLIED
Fertilizer - Report acres on this operation on which commercial fertilizer was applied during 2007 only once, even if multiple applications were made. Report fertilizer and manure expenditures in section 26, item 1.
Chemicals - Include acres on which custom application of chemicals was made. If multiple applications of chemicals for the same purpose (for example, herbicides) were made on the same acres, report acreage only once. If chemicals were applied for different purposes, report the acres for each purpose that the chemicals were used. Report agricultural chemical expenditures in section 26, item 2. Estimate the acreage for spot treatments.

SECTION 29 – MARKET VALUE OF LAND, BUILDINGS, MACHINERY, AND EQUIPMENT
Item 1 - Estimate the value of the land, houses, barns, and other buildings for each of the three listed categories if they were sold in the current market. The real estate tax assessment value should not be used unless that value represents a full market value assessment and the land, house, and buildings could reasonably be assumed to be sold at that price. Do not deduct real estate marketing charges from your estimate. Report the total value, not the value on a per-acre basis.
Item 2 - The estimated market value refers to all machinery and equipment kept primarily on this operation and used for the farm business. Report the value in its present condition, not the replacement or depreciated value. Include mobile implements, hand tools, and office supplies. Permanently installed equipment or equipment which is an integral part of a building should be included as a part of the value of land and buildings and reported in section 29, item 1.

SECTION 30 – MACHINERY AND EQUIPMENT
Report the total on this operation or normally on this operation and normally used on this operation in the first column. Do not report obsolete or abandoned equipment. In the second column, report only the number manufactured in the last five years.

SECTION 31 – AGRICULTURAL ACTIVITY WITHIN THE BORDERS OF AMERICAN INDIAN RESERVATIONS, PUEBLOS, AND SERVICE AREAS
Complete this section if any of your cropland or livestock was on an American Indian Reservation, Pueblos, or service area in 2007. Include trust acres used, as well as deeded land or land leased from others that was on the Reservation.

SECTION 32 - PRACTICES
Item 1c - Include water for any purpose – irrigation, cleaning, water for livestock, etc.
Item 1g - Rotational grazing is the practice of subdividing pasture into smaller sections and grazing different sections at different times.
Item 1m - Include any barn (used or not) on your operation that was built prior to 1960.

SECTION 33 – TYPE OF ORGANIZATION
Use the following definitions to determine the type of organization for this operation:
Family or individual operation - Farm or business organization controlled and operated by a family or an individual (sole proprietor). Include family operations that are not incorporated and not operated under a partnership agreement. Report family corporations under "Incorporated under state law."
Partnership operation - Two or more persons who conduct an operation together and share work and profits. Co-ownership of land by husband and wife or joint filing of income tax forms by husband and wife does not constitute a partnership unless a specific agreement to share contributions, decision making, profits, and liabilities exists. Production under contract or under a share rental agreement does not constitute a partnership.
Incorporated under state law - A corporation is a legal entity or artificial person created under the laws of a State to carry on a business, including family corporations. Exclude cooperatives, even if they are incorporated.
Other - Estate or trust, prison farm, grazing association, American Indian Reservation, university farm, institution run by a government or religious entity, cooperatives (an incorporated or unincorporated enterprise or an association created and formed jointly by the members), etc.

SECTION 34 – OPERATOR CHARACTERISTICS
This section collects information about the operator(s) of this operation. A farm may be a family operation and still have multiple operators. Complete one column for each operator, listing the principal operator or senior partner in the first column. The principal operator is the person in charge, such as a hired manager, business manager, or other person primarily responsible for the on-site, day-to-day operation of the farm or ranch business.

Item 1 - Enter the number of people who made day-to-day decisions for this operation. Do not report as operators minor-aged children who only worked on the farm.
Item 2 - Answer each question for up to three operators. If there were more than three, answer for three operators only.
Item 2c - The principal occupation of the operator(s) is the occupation at which an operator spent the majority of his/her worktime. If the operator spent the majority working for **another** agricultural operation for wages, it is considered hours devoted to other.
Item 2g - Report the first year the specified operator began to operate any part of this operation on a continuous basis. If the operator returned to a place previously operated, report the year operations were resumed.
Item 3 - The number of households that share in the net farm income are those households involved with the day-to-day decisions and not those households that received funds because they are landlords, custom equipment operators, or provide other supplies that are listed in section 26, Production Expenses. Your answer should not exceed the number of operators listed in item 1.

SECTION 35 - CONCLUSION
Item 1 - If your operation might be identified under a different name than printed on the front of the form (for example, a farm name or another partner), please provide these names.
Item 2a - All farms and ranches should receive their own forms to complete. If you operated another farm or ranch, indicate whether you received a form for that operation.

Index

Items located in the publications are organized in broad categories. Chapter 1 tables are denoted by I. Chapter 2 tables are denoted by II. Appendix A tables are denoted by letters A–D.

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Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
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Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
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Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
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Crop insurance, land covered	**I**-8,58	-	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Cropland-							
For pasture or grazing only	**I**-8,58; **II**-8	-	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Harvested	**I**-8,9,58; **II**-8	**I**-1,39; **II**-1,25,39	-	**I**-40,59,60	**I**-61,63,65; **II**-47	**I**-10,11	**I**-46,62,64
Idle or used for soil improvement	**I**-8,58; **II**-8	-	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
On which crops failed	**I**-8,58; **II**-8	-	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Summer fallow	**I**-8,58; **II**-8	-	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Crops, including nursery and greenhouse, value	-	**I**-2; **II**-2	-	**I**-1; **II**-1	**I**-55	**I**-11	**I**-47
Crustaceans	-	-	**II**-23	-	-	-	-
Cucumbers	-	**I**-34; **II**-30	-	-	-	-	-
Currants	-	**I**-36; **II**-34	-	-	-	-	-
Customwork and custom hauling, expense	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Customwork and other agricultural services, income	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64
Cut Christmas trees	-	**I**-38; **II**-36	-	-	-	-	-
Cut Christmas trees and short-rotation woody crops, sales value	**I**-58	-	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Cut flowers	-	**I**-37; **II**-35	-	-	-	-	-
Cuttings, seedlings, liners, and plugs	-	**I**-37; **II**-35	-	-	-	-	-
D							
Daikon	-	**I**-33,34; **II**-30	-	-	-	-	-
Dairy cows	-	-	**I**-11-12,17; **II**-11	-	-	**I**-11	-
Dairy products, sales value	**I**-58	-	**I**-17	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Dates	-	**I**-35; **II**-32	-	-	-	-	-
Days worked off farm	**I**-58	-	-	**I**-59,60	**I**-48, 49, 51, 53, 56,57,61, 63,65; **II**-46	-	**I**-62,64
Deer	-	-	**I**-31; **II**-24	-	-	-	-
Defoliation chemicals applied	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**I**-45; **II**-42	**I**-62,64
Depreciation expense	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	-	**I**-62,64
Dill for oil	-	**II**-28	-	-	-	-	-
Direct payments	-	-	-	**I**-6; **II**-5	-	-	-
Direct sales to individuals	**I**-58	-	-	**I**-2,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Diseases, chemical control	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**I**-45; **II**-42	**I**-62,64
Donkeys (see Mules, burros, and donkeys)							
Dry edible beans	**I**-58	**I**-1,32,33, **II**-1,25,26	-	**I**-2,59,60	**I**-61,63,65	-	**I**-62,64
Ducks	-	-	**I**-27; **II**-13,14	-	-	-	-
E							
Economic class of farms	**I**-58	-	-	**I**-3,59,60; **II**-2	**I**-50, 52, 54, 55, 61,63,65; **II**-47	-	**I**-62,64
Eggs, chicken	-	-	-	-	-	**I**-41; **II**-40	**I**-46
Eggplant	-	**I**-34; **II**-30	-	-	-	-	-

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Elk	-	-	**I**-31; **II**-24	-	-	-	-
Emmer and spelt	-	**II**-26	-	-	-	-	-
Emus	-	-	**I**-27; **II**-14	-	-	-	-
Equipment and machinery	**I**-58	-	-	**I**-1,4,43,44, 59, 60; **II**-1,41	**I**-61,63,65	**I**-11	**I**-46, 47, 62,64
Escarole and endive	-	**I**-34; **II**-30	-	-	-	-	-
Estimated market value of land and buildings	**I**-58; **II**-8	-	-	**I**-1,40,42,59, 60; **II**-1	**I**-61,63,65	**I**-11	**I**-46, 47, 62, 64
Estimated market value of machinery and equipment	-	-	-	**I**-40	-	**I**-11	**I**-1,47,62,64; **II**-1
Ewes 1 year and older	**I**-58	-	**I**-28-30; **II**-16	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Expenses paid by landlords	**I**-58	-	-	**I**-4,59,60	**I**-61,63,65	-	**I**-62,64
Expenses, total farm production	**I**-58	-	-	**I**-1,4,40,59,60; **II**-1,3	**I**-61,63,65	**I**-11	**I**-47,62,64;
F							
Family held corporations	**I**-58	-	-	**I**-59,60	**I**-61,63,65; **II**-46	-	**I**-62,64; **A,B**
Family operations	**I**-58	-	-	**I**-59,60	**I**-50,52,54,55, 61,63,65; **II**-46	-	**I**-1,62,64; **A,B**
Farm characteristics	-	-	-	-	**I**-50-52,54,55	-	**I**-46; **A,B**
Farm production expenses	**I**-58	-	-	**I**-1, 4,40,59,60; **II**-1, 3	**I**-61,63,65	**I**-11	**I**-1,47,62,64; **II**-1
Farm size	**I**-58	-	-	**I**-59,60	**I**-50,54,55, 61, 63, 65	-	**I**-1,47, 62,64; **A**,**B**
Farmer (see Operators)							
Farmland, rent income received	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64
Farms, number	**I**-8,9,58; **II**-8,9	**I**-32-39; **II**-25, 39	**I**-12-31; **II**-11-24	**I**-2-7, 40, 42-44, 59,60; **II**-2-7,41	**I**-49-56, 61, 63,65; **II**-46-56	**I**-10,11,41, 45,48; **II**-10, 40, 42-44	**I**-1, 46, 47, 62, 64; **II**-1; **A - D**
Feed purchased, expense	**I**-58	-	-	**I**-1, 4,40,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-1,62,64
Fertilizer and chemicals applied	**I**-58	**I**-45; **II**-42	-	**I**-59,60	**I**-61,63,65	**I**-11,45; **II**-42	**I**-62,64
Fertilizer, lime, and soil conditioners purchased, expense	**I**-58	**I**-45; **II**-42	-	**I**-1,4,40,59,60; **II**-3	**I**-61,63,65	**I**-11,45;	**I**-62,64
Fescue seed	-	**I**-33; **II**-27	-	-	-	-	-
Field and grass seed crops	**I**-58	**I**-33; **II**-26,27	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Figs	-	**I**-35; **II**-32	-	-	-	-	-
Filberts (hazelnuts)	-	**I**-35; **II**-32	-	-	-	-	-
Flaxseed	-	**I**-33; **II**-26	-	-	-	-	-
Floriculture crops	-	**I**-37; **II**-35	-	**I**-40,59; **II**-2	-	-	-
Flower seeds	-	**I**-37; **II**-35	-	-	-	-	-
Foliage plants	-	**I**-37; **II**-35	-	-	-	-	-
Forage, all, land used	**I**-58	**I**-1,32,33; **II**-1,25,27	-	**I**-59,60	**I**-61,63,65	-	**I**-1, 62,64
Forage harvesters, self-propelled	**I**-58	-	-	**I**-59,60; **II**-41	**I**-61,63,65	**I**-44	**I**-62,64
Forest products, sales values	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64
Foxtail millet seed	-	**II**-27	-	-	-	-	-
Fruit and tree nuts	**I**-58	**I**-33,35; **II**-32	-	**I**-59,60; **II**-2	**I**-50,52,54,55, 61,63,65	-	**I**-46,62,64
Fruits, tree nuts, and berries, sales value	**I**-58	-	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Fuels purchased, expense	**I**-58	-	-	**I**-1,4,40,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Full owners	**I**-58	-	-	**I**-59,60	**I**-50,52,54,55, 61,63,65; **II**-46	-	**I**-47,62,64; **A, B**

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
G							
Gains, net income	**I**-58	-	-	**I**-5,59,60; **II**-4	**I**-54,61,63,65	-	**I**-62,64
Game or sport fish	-	-	**II** -23	-	-	-	-
Garden plants sold	-	**I**-37	-	-	-	-	-
Garlic	-	**I**-34; **II**-30	-	-	-	-	-
Gasoline, fuels and oils purchased, expense	**I**-58	-	-	**I**-1,4,40,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-1,62,64
Geese	-	-	**I**-27; **II**-13,14	-	-	-	-
Generated energy	-	-	-	-	-	**II**-44	-
Ginger root	-	**II**-28	-	-	-	-	-
Ginseng	-	**I**-34; **II**-30	-	-	-	-	-
Goats	**I**-58	-	**I**-31; **II**-17-20	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-46,62,64
Government payments, all	**I**-58	-	-	**I**-3,6,40,59,60; **II**-1,5	**I**-50, 52, 54, 55, 61,63,65	**I**-11	**I**-17,62,64
Grain and bean combines	**I**-58	-	-	**I**-44,59,60	**I**-61,63,65	-	**I**-62,64
Grain storage capacity	-	-	-	-	-	-	**I**-39; **II**-39
Grains, oilseeds, dry beans, and dry peas	**I**-58	-	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	**I**-41, **II**-40	**I**-62,64
Grapefruit	-	**I**-35; **II**-32	-	-	-	-	-
Grapes	**I**-58	**I**-35; **II**-32	-	**I**-59,60	**I**-61,63,65	-	**I**-46,62,64
Grass silage	-	**I**-32,33; **II**-27	-	-	-	-	-
Greenchop	**I**-58	**I**-32,33; **II**-25,27	-	**I**-59,60	**I**-61,63,65	-	**I**-1,62,64; **II**-1
Greenhouse fruits and berries	-	**I**-37; **II**-35	-	-	-	-	-
Greenhouse vegetables	-	**I**-37; **II**-35	-	**I**-37; **II**-2	-	-	-
Greenhouse tomatoes	-	**I**-37; **II**-35	-	-	-	-	-
Guar	-	**II**-28	-	-	-	-	-
Guavas	-	**I**-35; **II**-32	-	-	-	-	-
H							
Harvested cropland	**I**-8,9,58; **II**-8,9,46	**I**-1,33-39; **II**-1, 25-39	-	**I**-40,59,60	**I**-61,63,65; **II**-46-47,49	**I**-10,11,48; **II**-10	**I**-46-47,62,64
Hawaiian (see Native Hawaiian and Other Pacific Islander)							
Hay	**I**-58	**I**-32,33; **II**-27	-	**I**-59,60	**I**-61,63,65	-	**I**-46,62,64
Hay balers	**I**-58	-	-	**I**-44,59,60	**I**-61,63,65	**I**-44	**I**-62,64
Haylage, grass silage, and greenchop hay	-	**I**-32,33; **II**-27	-	-	-	-	**I**-1
Hazelnuts (Filberts)	-	**I**-35; **II**-32	-	-	-	-	-
Head lettuce	-	**I**-34; **II**-30	-	-	-	-	-
Heifers	**I**-58	-	**I**-12,14-17	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Herbs	-	**I**-34,37; **II**-28,30,35	-	-	-	-	-
Hired farm labor	**I**-58	-	-	**I**-1,4,40,59,60; **II**-3,7	**I**-61,63,65	**I**-11	**I**-62,64
Hired managers	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54-55, 61, 63,65	-	**I**-62,64
Hispanic (see Spanish, Hispanic or Latino origin)							
Hogs and pigs	**I**-58	-	**I**-1,19-26; **II**-1,12	**I**-2,40,59,60; **II**-2	**I**-61,63,65	**I**-11,41; **II**-40	**I**-62, 64
Honey collected	-	-	**I**-31; **II**-21	-	-	-	-

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Honeydew melons	-	**I**-34; **II**-30	-	-	-	-	-
Hops	-	**I**-33; **II**-28	-	-	-	-	-
Horseradish	-	**I**-34; **II**-30	-	-	-	-	-
Horses and ponies	**I**-58	-	**I**-31; **II**-15	**I**-59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Horses, ponies, mules, burros, and donkeys, sales value	**I**-58	-	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Household income, percent from farming	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-62,64
Households sharing in farm income	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54-55, 61, 63,65	-	**I**-62,64
I							
Income from farm-related sources	**I**-58	-	-	**I**-1,7,59,60; **II**-1,6	**I**-61,63,65	**I**-11	**I**-47,62,64
Insects, chemical control	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**I**-45**;II**-42	**I**-62,64
Institutional farms	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-1,47,62,64
Insurance payments	**I**-8,58**;** **II**-8	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64
Interest expenses	**I**-58	-	-	**I**-1,4,40,59,60; **II**-3	**I**-41, 58, 61, 63, 65	**I**-11	**I**-1,62,64; **II**-46
Internet access	**I**-58	-	-	**I**-59,60; **II**-2	**I**-50, 52, 54, 55, 61, 63,65	-	**I**-1,62,64; **II**-46
Irrigated land	**I**-9,58	**I**-33; **II**-25	-	**I**-59,60	**I**-61,63,65	**I**-10,11; **II**-10	**I**-47,62,64; **II**-1
J							
Jojoba	-	**II**-28	-	-	-	-	-
K							
Kale	-	**I**-34; **II**-30	-	-	-	-	-
Kentucky bluegrass seed	-	**II**-27	-	-	-	-	-
Kiwifruit	-	**I**-35; **II**-32	-	-	-	-	-
Kumquats	-	**I**-35; **II**-32	-	-	-	-	-
L							
Labor expense, hired	**I**-58	-	-	**I**-1,4,59,60; **II**-3,7	**I**-61,63,65	**I**-11	**I**-1,62,64
Ladino clover seed	-	**II**-27	-	-	-	-	-
Land and buildings, estimated market value	**I**-58; **II**-8	-	-	**I**-42,59,60	**I**-61,63,65	**I**-11	**I**-1, 46-47, 62, 64
Land in farms, acres	**I**-1, 8, 9, 58; **II**-8	-	-	**I**-40,59,60	**I**-50,52,54,55, 61, 63,65; **II**-46, 48, 49, 50,51,52,53,54, 55,56	**I**-11,48	**I**-46 47, 62, 64; **A-C**
Land owned	**I**-58	-	-	**I**-59,60	**I**-61,63,65; **II**-46	**I**-11	**I**-62,64
Land rented or leased to others	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-62,64; **II**-46
Land use	**I**-1,8,58	-	-	**I**-59,60	**I**-61,63,65	**I**-11	**I**-1, 46, 47, 62, 64
Land used for vegetables	**I**-58; **II**-29	**I**-33; **II**-29	-	**I**-59,60	**I**-61,63,65	-	**I**-1,62,64
Land used to raise certified organic crops	**I**-58	**I**-48; **II**-43	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Landlord's share of production expenses	**I**-58	-	-	**I**-4,59,60	**I**-61,63,65	-	**I**-62,64
Landlord's share of sales	**I**-58	-	-	**I**-2,59,60	**I**-61,63,65	-	**I**-62,64
Latino (see Spanish, Hispanic or Latino origin)							
Layers	**I**-58	-	**I**-27; **II**-13	**I**-59,60	**I**-61,63,65	-	**I**-1,62,64; **II**-1
Leaf lettuce	-	**I**-34; **II**-30	-	-	-	-	-

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Lemons	-	**I**-35; **II**-32	-	-	-	-	-
Lentils	-	**I**-33; **II**-26	-	-	-	-	-
Lespedeza seed	-	**II**-27	-	-	-	-	-
Lettuce, all	-	**I**-34; **II**-30	-	-	-	-	-
Lima beans- Green	-	**I**-34; **II**-30	-	-	-	-	-
Dry	-	**II**-26	-	-	-	-	-
Limes	-	**I**-35; **II**-32	-	-	-	-	-
Livestock and poultry purchased, expense	**I**-58	-	-	**I**-1,4,11,40,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-1,62,64;
Livestock inventory	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**I**-11	**I**-1, 62,64
Livestock, poultry, and their products, value	-	-		**I**-2; **II**-2	**I**-50,52,54-55	**I**-11	**I**-1,47; **II**-1
Llamas	-	-	**I**-31; **II**-24	-	-	-	-
Loan deficiency payments	-	-	-	**I**-6	-	-	-
Loganberries	-	**I**-36; **II**-34	-	-	-	-	-
Losses, net income	**I**-58	-	-	**I**-5,59,60; **II**-4	**I**-61,63,65	-	**I**-62,64
M							
Macadamia nuts	-	**I**-35; **II**-32	-	-	-	-	-
Machinery and equipment-							
Estimated market value	**I**-58	-	-	**I**-1,43,59,60; **II**-41	**I**-61,63,65	**I**-11	**I**-46, 47, 62,64; **II**-1
Rent and lease expense	**I**-58	-	-	**I**-59,60; **II**-3,5	**I**-61,63,65	**I**-11	**I**-1,62,64
Mangoes	-	**I**-35; **II**-32	-	-	-	-	-
Manure applied	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**I**-45; **II**-42	**I**-62,64
Maple syrup	-	**I**-38; **II**-38	-	-	-	-	-
Market value of agricultural products	**I**-58	-	-	**I**-1-3,40,59,60; **II**-1,2	**I**-50,54,55,61, 63,65	**I**-11,41	**I**-1,47, 62,64; **II**-1; **A-C**
Meat and other goats	-	-	**I** -31; **II** -20	-	-	-	-
Melons	-	**I**-35; **II**-30	-	-	-	-	-
Migrant workers	**I**-58	-	-	**I**-59,60; **II**-2,5	**I**-61,63,65; **II**-7	-	**I**-62,64
Milk and dairy products, sales value	**I**-58	-	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Milk cows	**I**-58	-	**I**-1,11,12,17; **II**-1,11	**I**-59,60	**I**-61,63,65	-	**I**-1,62,64
Milk goats	-	-	**I**-31; **II**-18	-	-	-	-
Mink and their pelts	-	-	**I**-31; **II**-22	-	-	-	-
Mint for oil	-	**I**-33,34; **II**-28	-	-	-	-	-
Miscellaneous poultry	-	-	**I**-27; **II**-14	-	-	-	**I**-46
Mohair	-	-	**I**-31; **II**-19	-	-	-	-
Mollusks	-	-	**II**-23	-	-	-	-
More than one race, operators	**I**-58	-	-	**I**-59,60	**I**-53,54,56, 61, 63, 65; **II**-56	-	**I**-62,64; **A, B**
Mules, burros, and donkeys	-	-	**I**-31; **II**-24	-	-	-	-
Mushroom spawn	-	**I**-37; **II**-35	-	-	-	-	-
Mushrooms	-	**I**-34,37; **II**-30,35	-	-	-	-	-
Mustard greens	-	**I**-34; **II**-30	-	-	-	-	-
Mustard seed	-	**II**-26	-	-	-	-	-

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
N							
Native Hawaiian and Other Pacific Islander operators	**I**-58	-	-	**I**-59,60	**I**-53,54, 55, 56,57,61, 63, 65; **II**-54	-	**I**-62,64; **A,B**
Nectarines	-	**I**-35; **II**-32	-	-	-	-	-
Nematodes, chemical control	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**II**-42	-
Net cash farm income of the operations and operators	**I**-58	-	-	**I**-5,59,60; **II**-4	**I**-61,63,65	-	**I**-62,64; **II**-1
Net gain	**I**-58	-	-	**I**-5,59,60; **II**-4,5	**I**-61,63,65	-	**I**-62,64; **B**
Net loss	**I**-58	-	-	**I**-5,59,60; **II**-4,5	**I**-61,63,65	-	**I**-62,64; **B**
Noncitrus fruit, all	-	**I**-35; **II**-32	-	-	-	-	**I**-46
Nonirrigated farms	-	-	-	-	-	**I**-11	-
Nonresponse adjustment	-	-	-	-	-	-	**A - C**
North American Industry Classification System (NAICS) -							
All other animal production (11299)	-	-	-	-	-	-	**I** -46
All other crop farming (11199)	-	-	-	-	-	-	**I** -46
Animal aquaculture (1125)	-	-	-	-	-	-	**I** -46
Animal aquaculture and other animal production (1125,1129)	**I**-58	-	-	**I**-59,60	**I**- 50, 52, 54, 55, 61, 63, 65	-	**I**-46, 47, 62, 64; **II** - 45
Animal production (112)	-	**I**-39	-	-	-	-	**I** -46
Apiculture (11291)	-	-	-	-	-	-	**I**-46
Apple orchards (111331)	-	-	-	-	-	-	**I**-46
Beef cattle ranching and farming including feedlots (11211)	-	-	-	-	-	-	**I**-46
Beef cattle ranching and farming (112111)	**I**-58	-	-	**I**-59,60	**I**- 50, 52, 54, 55, 61, 63, 65	-	**I**-46, 47, 62, 64; **II** - 45
Berry (except strawberry) farming (111334)	-	-	-	-	-	-	**I**-46
Broilers and other meat-type chicken production (11232)	-	-	-	-	-	-	**I**-46
Cattle feedlots (112112)	**I**-58	-	-	**I**-59,60	**I**- 50, 52, 54, 55, 61, 63, 65	-	**I**-46, 47, 62, 64; **II** - 45
Cattle ranching and farming (1121)	-	-	-	-	-	-	**I**-46
Chicken egg production (11231)	-	-	-	-	-	-	**I**-46
Citrus (except orange) groves (11132)	-	-	-	-	-	-	**I**-46
Corn farming (11115)	-	-	-	-	-	-	**I**-46
Cotton farming (11192)	**I**-58	-	-	**I**-59,60	**I**- 50, 52, 54, 55, 61, 63, 65	-	**I**-46, 47, 62, 64; **II** - 45
Crop farming, all other (11199)	**I**-58	-	-	**I**-59,60	**I**-50,52,54,55	**I**-61,63,65	**I**-46,62,64; **II**-45
Crop production (111)	-	**I**-39; **II**-39	-	-	-	-	**I**-46
Dairy cattle and milk production (11212)	**I**-58	-	-	**I**-59, 60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46,62,64; **II**-45
Dry pea and bean farming (11113)	-	-	-	-	-	-	**I**-46
Floriculture production (111422)	-	-	-	-	-	-	**I**-46
Food crops grown under cover (11141)	-	-	-	-	-	-	**I**-46
Fruit and nut combination farming (111336)	-	-	-	-	-	-	**I**-46; **II**-45
Fruit and tree nut farming (1113)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Fur-bearing animal and rabbit production (11293)	-	-	-	-	-	-	**I**-46
Goat farming (11242)	-	-	-	-	-	-	**I**-46

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Grape vineyards (111332)	-	-	-	-	-	-	**I**-46
Greenhouse, nursery, and floriculture production (1114)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Hay farming (11194)	-	-	-	-	-	-	**I**-46
Hog and pig farming (1122)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Horse and other equine production (11292)	-	-	-	-	-	-	**I**-46
Noncitrus fruit and tree nut farming (11133)	-	-	-	-	-	-	**I**-46
Nursery and floriculture production (11142)	-	-	-	-	-	-	**I**-46
Nursery and tree production (111421)	-	-	-	-	-	-	**I**-46
Oilseed and grain farming (1111)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Oilseed (except soybean) farming (11112)	-	-	-	-	-	-	**I**-46
Orange groves (11131)	-	-	-	-	-	-	**I**-46
Other animal production (1129)	-	-	-	-	-	-	**I**-45; **II**-45
Other crop farming (1119)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Other grain farming (11119)	-	-	-	-	-	-	**I**-46
Other noncitrus fruit farming (111339)	-	-	-	-	-	-	**I**-46
Other poultry production (11239)	-	-	-	-	-	-	**I**-46
Other vegetable (except potato) and melon farming (11219)	-	-	-	-	-	-	**I**-46
Potato farming (111211)	-	-	-	-	-	-	**I**-46
Poultry and egg production (1123)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Poultry hatcheries (11234)	-	-	-	-	-	-	**I**-46
Rice farming (11116)	-	-	-	-	-	-	**I**-46
Sheep and goat farming (1124)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Sheep farming (11241)	-	-	-	-	-	-	**I**-46
Soybean farming (11111)	-	-	-	-	-	-	**I**-46
Strawberry farming (111333)	-	-	-	-	-	-	**I**-46
Sugar cane farming, hay farming and all other crop farming (11193, 11194, 11195)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-47, 62, 64; **II**-45
Sugarcane farming (11193)	**I**-58	-	-	**I**-59,60	**I**-61,63,65	-	**I**-46,62,64
Tobacco farming (11191)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Tree nut farming (111335)	-	-	-	-	-	-	**I**-46
Turkey production (11233)	-	-	-	-	-	-	**I**-46
Vegetable and melon farming (11121)	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-46, 47, 62, 64; **II**-45
Wheat farming (11114)	-	-	-	-	-	-	**I**-46
Number of farms	**I**-1, 8, 9, 58; **II**-8,9	**II** -32, 36-37	**I**-12-31; **II**-11-24	**I**-40,44,59; **II**-2,41	**I**-50,52-55, 61, 63,65; **II**-46	**I**-10,11,41; **II**-10, 40	**I**-1,46-47, 62, 64; **II**-1,2; **A-C**
Number of households sharing farm income	**I**-58	-	-	**I**-59	**I**-50, 52,54-55, 61, 63, 65	-	**I**-62,64
Number of operators	**I**-58	-	-	**I**-59,60	**I**-49-57, 61, 63,65; **II**-46-56	-	**I**-62,64
Number of persons living in operator's household	**I**-58	-	-	**I**-59,60	**I**-49,51,53, 54, 56-57, 61, 63, 65	-	**I**-62,64
Nursery crops	-	**I**-37; **II**-35	-	**II**– 2	-	-	-

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Nursery, greenhouse, floriculture and sod, sales value	**I**-58	-	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Nursery stock	-	**I**-37; **II**-35	-	-	-	-	-
Nuts, all	-	**I**-35; **II**-32	-	-	-	-	-
O							
Occupation of operator	**I**-58	-	-	**I**-59,60	**I**-1,49, 51, 53, 56,57,61,63,65 **II**-1,46	**I**-48	**I**-62,64; **A,B**
Off-farm work by operator	**I**-58	-	-	**I**-59	**I**-61, 63, 65; **II**-46	-	**I**-1,62,64; **II**-1
Okra	-	**I**-34; **II**-30	-	-	-	-	-
Olives	-	**I**-35; **II**-32	-	-	-	-	-
Onions	-	**I**-34; **II**-30	-	-	-	-	-
Operator characteristics	**I**-58	-	-	**I**-59,60	**I**-49, 51, 53, 56,57,61,63,65 **II**-46	**I**-48	**I**-62,64; **A**
Operators -							
Age	**I**-58	-	-	**I**-59,60	**I**-1,49, 51, 53, 56-57, 61, 63, 65; **II**-46	**I**-48	**I**-62,64; **A,B**
All	-	-	-	-	**I**-49,52,54; **II**-46	-	**A, B**
American Indian or Alaska Native operators	**I**-58	-	-	**I**-59,60	**I**-51,53-57, 61,63,65; **II**-51	-	**I**-47,62,64; **A, B, D**
Asian	**I**-58	-	-	**I**-59,60	**I**-51,54-57, 61, 63, 65; **II**-52	-	**I**-47,62,64; **A, B**
Black or African American	**I**-58	-	-	**I**-59,60	**I**-51, 53-56, 61,63,65; **II**-53	-	**I**-47,62,64; **A, B**
Living on an American Indian reservation	**I**-58	-	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64; **D**
Native Hawaiian or Other Pacific Islander	**I**-58	-	-	**I**-59,60	**I**-51,53-57, 61, 63, 65; **II**-54	-	**I**-62,64; **A,B**
On farm	**I**-58	-	-	**I**-59,60	**I**-61, 63, 65; **II**-46	-	**I**-62,64
Primary occupation	**I**-58	-	-	**I**-59,60	**I**-1,49, 51, 53, 56,57,61,63,65 **II**-1,46	**I**-48	**I**-62,64; **A,B**
Principal Operator	**I**-58	-	-	**I**-59,60	**I**-49-54, 56, 61, 63, 65; **II**-46,47, 49-57	**I**-48	**I**-62,64; **A,B**
Race	**I**-58	-	-	**I**-59,60	**I**-51, 53-57, 61, 63, 65; **II** -56	-	**I**-62,64
Spanish, Hispanic, or Latino	**I**-58	-	-	**I**-59,60	**I**-51,52-54 61, 63, 65; **II**-50	-	**I**-62,64; **A,B**
White	**I**-58	-	-	**I**-59,60	**I**-51,53-57, 61,63,65; **II**-55	-	**I**-62,64; **A, B**
Women	**I**-58	-	-	**I**-59,60	**I**-50-52, 54, 55, 61,63,65; **II**-46	-	**I**-62,64
Oranges	-	**I**-35; **II**-32	-	-	-	-	-
Orchardgrass seed	-	**II**-27	-	-	-	-	-
Orchards, land in	**I**-58; **II**-31	**I**-1,32,33; **II**-1,25	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Organic agriculture	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**I**-48; **II**-43	**I**-62,64
Ornamental fish	-	-	**II**-23	-	-	-	-
Ostriches	-	-	**I**-27; **II**-14	-	-	-	-
Other livestock and other animal products	**I**-58	-	**I**-12-17, 19, 21.22, 25-27,31; **II**-24	**I**-2,40,59,60; **II**-2	**I**-61,63,65	**I**-41	**I**-1,62,64

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Other aquaculture products	-	-	**II**-23	-	-	-	-
Other berries	-	I-36; II-34	-	-	-	-	-
Other citrus	-	**I**-35; **II**-32	-	-	-	-	-
Other crops and hay	**I**-58	**I**-32-37; **II**-26-28, 30, 32, 34, 35	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	**I**-41	**I**-62,64
Other farm characteristics	-	-	-	-	**I**-50,52,54,55	-	-
Other farm production expenses	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Other farm-related income	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	**I**-11	**I**-62,64
Other federal farm program payments	-	-	-	**I**-6; **II**-5	**I**-50,52,54,55	-	-
Other food fish	-	-	**II**- 23	-	-	-	-
Other livestock	-	-	**I**-31; **II**-24	-	-	-	-
Other livestock and poultry purchased	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	-	**I**-62,64
Other poultry	-	-	**I**-27; **II**-13-14	-	-	-	-
Other types of organizations	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65	-	**I**-1,62,64
Other vegetables	-	**I**-35; **II**-32	-	-	-	-	-
Owned land in farms	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65; **II**-46	**I**-11	**I**-62,64
P							
Pacific Islander (see Native Hawaiian and Other Pacific Islander)							
Papayas	-	**I**-35; **II**-32	-	-	-	-	-
Parsley	-	**I**-34; **II**-30	-	-	-	-	-
Part owners	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65; **II**-46,49	-	**I**-47,62,64; **A,B**
Partnerships	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65; **II**-46	-	**I**-1,62,64; **A,B**
Passion fruit	-	**I**-35; **II**-32	-	-	-	-	-
Pastureland	**I**-8,58; **II**-8	-	-	**I**-40,59,60	**I**-61,63,65	**I**-10,11,48; **II**-10,42,43	**I**-47,62,64
Patronage dividends and refunds from cooperatives	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64
Payroll	-	-	-	**II** -7	-	-	-
Peaches	**I**-58	**I**-35; **II**-32	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Peanuts	**I**-58	**I**-1,32,33; **II**-1,25,26	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Pears	-	**I**-35; **II**-32	-	-	-	-	-
Peas - Chinese	-	**I**-34; **II**-30	-	-	-	-	-
Dry edible	**I**-58	**I**-33; **II**-26	-	-	-	-	-
Dry southern (cowpeas)	-	**II**-26	-	-	-	-	-
Green (excluding southern)	**I**-58	**I**-34; **II**-30	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Green southern (cowpeas)	-	**I**-34; **II**-30	-	-	-	-	-
Pecans	**I**-58	**I**-35; **II**-32	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Peppers	-	**I**-34; **II**-30	-	-	-	-	-
Percent of income from farming	**I**-58	-	-	**I**-59,60	**I**-52, 54, 55, 61, 63,65	-	**I**-62,64
Permanent pasture and rangeland	**I**-8,58; **II**-8	-	-	**I**-59,60	**I**-61,63,65	-	**I**-47,62,64

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Persimmons	-	**I**-35; **II**-32	-	-	-	-	-
Pesticides, acres applied	**I**-58	-	-	**I**-59,60	-	**II**-42	**I**-62,64
Pheasants	-	-	**I**-27; **II**-14	-	-	-	-
Pigeons or squab	-	-	**I**-27; **II**-14	-	-	-	-
Pima cotton	-	**I**-32,33; **II**-1,26	-	-	-	-	-
Pineapples	-	**I**-1,33; **II**-1,25,28	-	-	-	-	-
Pistachios	-	**I**-35; **II**-32	-	-	-	-	-
Place of residence	**I**-58	-	-	**I**-59,60	**I**-49, 51, 53, 56,57,61,63,65 **II**-46	**I**-48	**I**-62,64
Plums and Prunes	-	**I**-35; **II**-32	-	-	-	-	-
Pluots	-	**I**-35; **II**-32	-	-	-	-	-
Pomegranates	-	**I**-35; **II**-32	-	-	-	-	-
Popcorn	-	**I**-33; **II**-26	-	-	-	-	-
Potatoes	**I**-58	**I**-1,34; **II**-1,30	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	**I**-41; **II**-40	**I**-62,64
Potted flowering plants	-	**I**-37; **II**-35	-	-	-	-	-
Poultry	**I**-58	-	**I**-27; **II**-13,14	**I**-2,40,59,60; **II**-2	**I**-61,63,65; **II**-46,50	**I**-41	**I**-62,64
Poultry hatched	-	-	**II**-14	-	-	-	-
Primary occupation (see Operator, primary occupation)							
Principal operator (see Operator)							
Production contracts	-	-	-	-	-	**I**-41; **II**-40	-
Property taxes paid, expense	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Proso millet	-	**I**-33; **II**-26	-	-	-	-	-
Prunes	-	**I**-35; **II**-32	-	-	-	-	-
Pullets for laying flock replacement	**I**-58	-	**I**-27; **II**-13	**I**-59,60	**I**-61,63,65	**I**-41; **II**-40	**I**-62,64
Pumpkins	-	**I**-34; **II**-30	-	-	-	-	-
Q							
Quail	-	-	**I**-27; **II**-14	-	-	-	-
R							
Rabbits and their pelts	-	-	**I**-31; **II**-24	-	-	-	-
Race of operator	**I**-58	-	-	**I**-59,60	**I**-51,53,54-57,61,63,65; **II**-51-56	-	**I**-62,64; **A,B**
Radishes	-	**I**-34; **II**-30	-	-	-	-	-
Rapeseed	-	**II**-26	-	-	-	-	-
Raspberries	-	**I**-36; **II**-34	-	-	-	-	-
Recreational services income	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64
Red clover seed	-	**II**-27	-	-	-	-	-
Redtop seed	-	**II**-27	-	-	-	-	-
Reliability estimates	-	-	-	-	-	-	**B**
Rent and lease expenses for machinery, equipment, and farm share of vehicles	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Rent or share payments income	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64

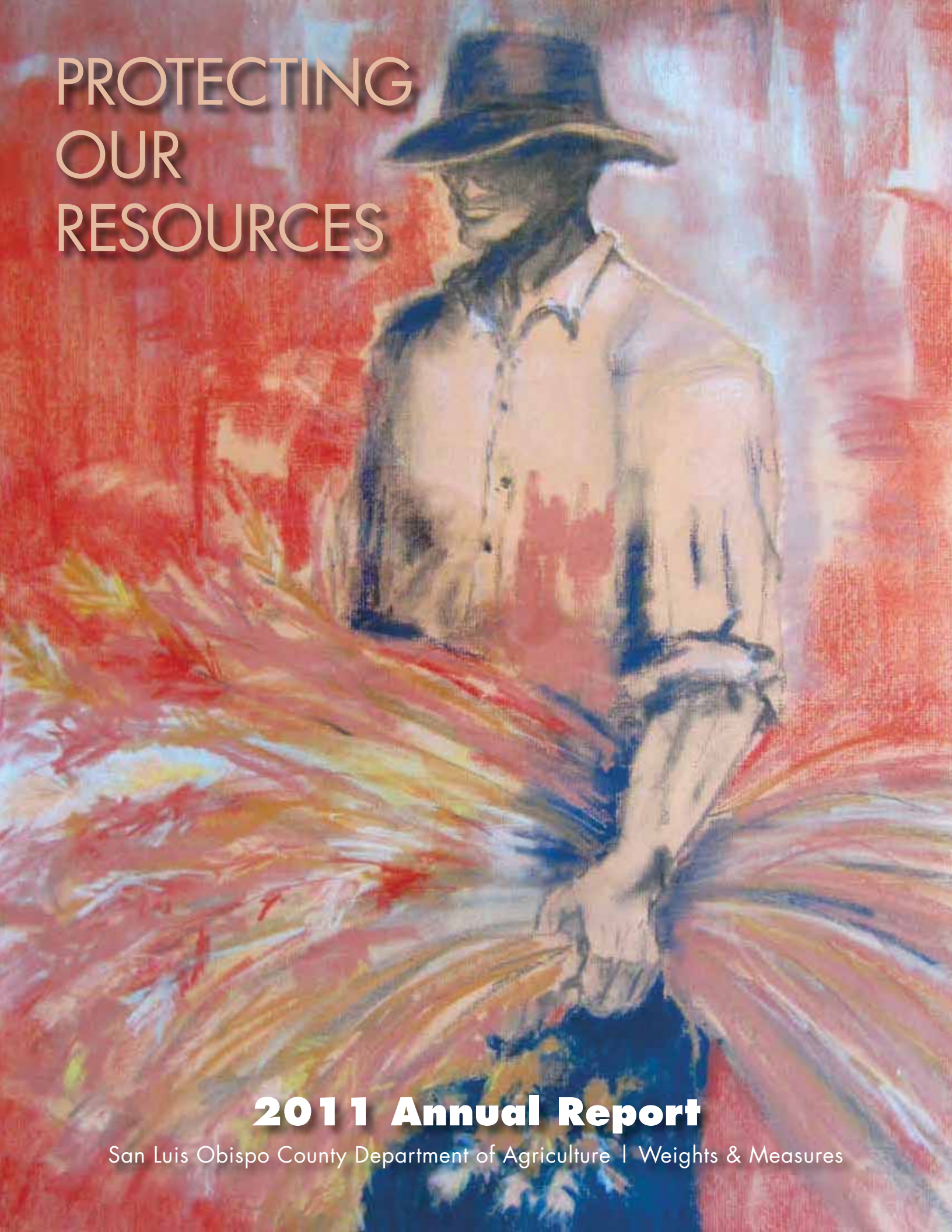
Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Rented or leased land	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61, 63,65; **II**-46	**I**-11	**I**-62,64
Rhubarb	-	**I**-34; **II**-30	-	-	-	-	-
Rice	**I**-58	**I**-1,32,33; **II**-1,25,26	-	**I**-2,59,60; **II**-2	**I**-61,63,65	-	**I**-46,62,64
Romaine lettuce	-	**I**-34; **II**-30	-	-	-	-	-
Rotational or management intensive grazing	-	-	-	-	**II**-44	-	-
Rye for grain	-	**I**-33; **II**-26	-	-	-	-	-
Ryegrass seed	-	**I**-33; **II**-27	-	-	-	-	-
S							
Safflower	-	**I**-33; **II**-26	-	-	-	-	-
Seed harvested	**I**-58	**I**-33,37; **II**-25-27,35	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Seedlings	-	**I**-37; **II**-35	-	-	-	-	-
Seeds, plants, vines, and trees, expense	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Sesame	-	**II**-28	-	-	-	-	-
Sex of operator	**I**-58	-	-	**I**-59,60	**I**-49, 53, 56, 57, 61,63,65; **II**-46	**I**-48	**I**-62,64; **A, B**
Share payments (see Rent)							
Sheep and lambs	**I**-58	-	**I**-28-30; **II**-1,16	**I**-2,40,59,60; **II**-2	**I**-50, 52, 54, 61, 63, 65	**I**-11; **II**-44	**I**-62,64; **II**-1,46,47
Sheep, goats, and their products, sales value	**I**-58	-	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Short rotation woody crops	**I**-58	**I**-38; **II**-37	-	**I**-2,7,40,59; **II**-2,6	**I**-61,63,65	-	**I**-62,64
Silage	**I**-58	**I**-1,32,33; **II**-1,25,27	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Small grain hay	-	**I**-32,33; **II**-27	-	-	-	-	-
Sod	-	**I**-37; **II**-35	-	**I**-2,40	-	-	-
Soil conditioners	**I**-58	-	-	**I**-1,4,40,59,60; **II**-2	**I**-61,63,65	**I**-11,45; **II**-42	**I**-62,64
Sorghum	**I**-58	**I**-1,32-33; **II**-1, 25, 26, 27, 28	-	**I**-2,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Soybeans	**I**-58	**I**-1,32,33; **II**-1,25,26	-	**I**-2,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Spanish, Hispanic or Latino origin, operators	**I**-58	-	-	**I**-59,60	**I**-51,52-53,55, 61, 63, 65; **II**-50	-	**I**-62,64; **A,B**
Spearmint for oil	-	**II**-28	-	-	-	-	-
Specified fruits and nuts, acres	-	**I**-35; **II**-32	-	-	-	-	-
Spinach	-	**I**-34; **II**-30	-	-	-	-	-
Sport or game fish	-	-	**II**-23	-	-	-	-
Spring wheat, other	-	**I**-1,32-33; **II**-1,26	-	-	-	-	-
Squab (see Pigeons)	-	-	**I**-27; **II**-14	-	-	-	-
Squash	-	**I**-34; **II**-30	-	-	-	-	-
State and local government program payments	**I**-58	-	-	**I**-7,59,60; **II**-6	**I**-61,63,65	-	**I**-62,64
Stockholders in farm corporation	**I**-58	-	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Strawberries	-	**I**-36; **II**-34	-	-	-	-	-
Sudangrass seed	-	**II**-27	-	-	-	-	-

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Sugarbeets	**I**-58	**I**-1,32,33; **II**-1,25,26	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Sugarcane	**I**-58	**I**-1,32,33; **II**-1,25,26	-	**I**-59,60	**I**-50, 52, 54, 61, 63, 65	-	**I**-46, 47, 62, 64; **II**-1
Summer squash	-	**I**-34; **II**-30	-	-	-	-	-
Sunflower seed	**I**-58	**I**-1,33; **II**-1,25,26	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Supplies, repairs and maintenance, expense	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Sweet corn	**I**-58	**I**-34; **II**-28,30	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Sweet potatoes	**I**-58	**I**-1,34; **II**-30	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64; **II**-1
Sweetclover seed	-	**II**-1,27	-	-	-	-	-
T							
Tame hay, other	**I**-58	**I**-32,33; **II**-27	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Tangelos	-	**I**-35; **II**-32	-	-	-	-	-
Tangerines	-	**I**-35; **II**-32	-	-	-	-	-
Taps, maple syrup	-	**I**-38; **II**-38	-	-	-	-	-
Taro	-	**II**-28	-	-	-	-	-
Taxes, property	**I**-58	-	-	**I**-4,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
Temples	-	**I**-35; **II**-32	-	-	-	-	-
Tenants	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65; **II**-46,49	-	**I**-47,62,64; **A,B**
Tenure of operator	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65; **II**-46,49	-	**I**-47,62,64; **A,B**
Timothy seed	-	**II**-27	-	-	-	-	-
Tobacco	**I**-58	**I**-1,32,33; **II**-1,25,26	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	-	**I**-46, 47, 62, 64; **II**-1,45
Tobacco transplants	-	**I**-37; **II**-35	-	-	-	-	-
Tomatoes	**I**-58	**I**-34; **II**-30	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Tomatoes, greenhouse	-	**I**-37; **II**-35	-	-	-	-	-
Total cropland	**I**-1,8,58; **II**-1,8	-	-	**I**-40,59,60	**I**-61,63,65	**I**-11	**I**-47,62,64
Total farm production expenses	**I**-58	-	-	**I**-4,40,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-1,47,62,64; **II**-1
Total sales	**I**-58	-	-	**I**-2,59,60; **II**-2	**I**-61,63,65	-	**I**-62,64
Total woodland	**I**-8,58; **II**-8	-	-	**I**-59,60	**I**-61,63,65	-	**I**-47,62,64
Tractors	**I**-58	-	-	**I**-44,59,60; **II**-41	**I**-61,63,65	-	**I**-62,64
Triticale	-	**II**-26	-	-	-	-	-
Trout	-	-	**II**-23	-	-	-	-
Trucks	**I**-58	-	-	**I**-44,59,60; **II**-41	**I**-61,63,65	-	**I**-44,62,64
Tubers	-	**I**-37	-	-	-	-	-
Turkeys	**I**-58	-	**I**-27; **II**-13	**I**-59,60	**I**-61,63,65	**I**-41; **II**-40	**I**-62,64
Turnip greens	-	**I**-34; **II**-30	-	-	-	-	-
Turnips	-	**I**-34; **II**-30	-	-	-	-	-
Type of organization	**I**-58	-	-	**I**-59,60	**I**-50, 52, 54, 55, 61,63,65; **II**-46	-	**I**-1,62,64;**A,B**
Typology of farm	**I**-58	-	-	**I**-59,60	**I**-61,63,65; **II**-46	-	**I**-62,64

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
U							
Upland cotton	-	**I**-1,32,33; **II**-1,26	-	-	-	-	-
Utilities, expense	**I**-58	-	-	**I**-4,40,59,60; **II**-3	**I**-61,63,65	**I**-11	**I**-62,64
V							
Valencia oranges	-	**I**-35; **II**-32	-	-	-	-	-
Value Added Commodities	-	-	-	-	-	**II** -44	-
Value of -							
Agricultural products sold	-	-	-	**I**-3; **II**-2	-	**I**-11	**I**-1; **II**-2
Commodities under production contract	-	-	-	-	-	**I**-41	-
Land and buildings	**I**-58; **II**-8	-	-	**I**-40,42,59,60	**I**-61,63,65	**I**-11	**I**-1, 46, 47, 62, 64; **II**-1
Landlord's share of total sales	**I**-58	-	-	**I**-2,40,59,60	**I**-61,63,65	-	**I**-62,64
Machinery and equipment	**I**-58	-	-	**I**-40,43,59,60; **II**-41	**I**-61,63,65	**I**-11	**I**-1, 46, 47, 62, 64; **II**-1
Organic product sales	**I**-58	-	-	**I**-40,59,60	**I**-61,63,65	**I**-48; **II**-43	**I**-62,64
Sales	**I**-58	**I**-37; **II**-35	**I**-13-18,20-22,31; **II**-23	**I**-1-3,40,59,60; **II**-1-2	**I**-50, 52, 54, 55, 61,63,65; **II**-47	**I**-11,41,48; **II**-43	**I**-1,46, 47, 62, 64; **A-C**
Veal calves	-	-	-	-	-	**II**-44	-
Vegetable seeds	-	**I**-37; **II**-35	-	-	-	-	-
Vegetable transplants	-	**I**-37; **II**-35	-	-	-	-	-
Vegetables	**I**-58	**I**-1,32-34,37; **II**-1,25, 29, 30, 35	-	**I**-2,40,59,60; **II**-2	**I**-61,63,65	**I**-41; **II**-40	**I**-62,64
Vetch seed	-	**II**-27	-	-	-	-	-
W							
Walnuts, English	**I**-58	**I**-35; **II**-32	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Watercress	-	**I**-34; **II**-30	-	-	-	-	-
Watermelons	-	**I**-34; **II**-30	-	-	-	-	-
Weeds, grass, or brush, chemical control	**I**-58	-	-	**I**-59,60	**I**-61,63,65	**I**-45; **II**-42	**I**-62,64
Wetlands Reserve Program	**I**-8,58; **II**-8	-	-	**I**-6,59,60; **II**-5	**I**-50, 52, 54, 55, 61,63,65	**I**-11	**I**-62,64
Wheat -							
All	**I**-58	**I**-1,32,33; **II**-25,26	-	**I**-2,59,60; **II**-2	**I**-61,63,65	-	**I**-1,46,62,64; **II**-1
Durum	-	**I**-1,32,33,34; **II**-1,26	-	-	-	-	-
Other spring	-	**I**-1,32,33,34; **II**-1,26	-	-	-	-	-
Winter	-	**I**-1,32,33,34; **II**-1,26	-	-	-	-	-
Wheatgrass seed	-	**II**-27	-	-	-	-	-
White clover seed	-	**II**-27	-	-	-	-	-
White operators	**I**-58	-	-	**I**-59,60	**I**-51,53-57, 61,63,65; **II**-55	-	**I**-62,64; **A, B**
Wild hay	-	**I**-32-33; **II**-27	-	-	-	-	-
Wild rice	-	**II**-26	-	-	-	-	-
Winter squash	-	**I**-34; **II**-30	-	-	-	-	-

Item	Land	Crops	Livestock	Economics	Demo-graphics	Practices	Misc.
Women operators	**I**-58	-	-	-	**I**-49, 50, 51, 54, 57,61, 63, 65; **II**-46-49	**I**-48	**I**-62,64
Woodland crops	**I**-58	**I**-38; **II**-36-38	-	**I**-59,60	**I**-61,63,65	-	**I**-62,64
Woodland, total	**I**-8,58; **II**-8	-	-	**I**-59,60	**I**-61,63,65	-	**I**-47,62,64
Wool production	-	-	**I**-28,29,30; **II**-16	-	-	-	-
Y							
Years on present farm	**I**-58	-	-	**I**-59,60	**I**-49, 51, 53, 56, 57, 61, 63,65; **II**-46	**I**-48	**I**-62,64

PROTECTING OUR RESOURCES



2011 Annual Report

San Luis Obispo County Department of Agriculture | Weights & Measures

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Design and Printing: Peggy Eisen Thayer, Design To Print

Mission Statement

The Department of Agriculture/Weights and Measures is committed to serving the community by protecting agriculture, the environment, and the health and safety of its citizens, and by ensuring equity in the marketplace.

Financial Report | Fiscal Year 2010-11

REVENUE	**$5,582,432**	
COUNTY FUNDS	1,901,587	34%
STATE FUNDS	3,232,902	58%
COLLECTED FEES	447,943	8%
EXPENDITURES	**5,582,432**	
SALARIES AND BENEFITS	4,673,804	84%
SERVICES & SUPPLIES	534,544	10%
OVERHEAD	360,175	6%
EQUIPMENT	13,909	0%
FUNDING SOURCES	**$5,582,432**	
Agricultural Resources	**$475,170**	
STATE FUNDS	68,733	14%
COUNTY FUNDS	337,807	71%
COLLECTED FEES	68,630	14%
Weights and Measures	**$568,741**	
STATE FUNDS	7,181	1%
COUNTY FUNDS	374,676	66%
COLLECTED FEES	186,884	33%
Environmental Protection	**$1,347,771**	
STATE FUNDS	1,066,293	79%
COUNTY FUNDS	256,855	19%
COLLECTED FEES	24,623	2%
Pest Management	**$1,172,335**	
STATE FUNDS	472,111	40%
COUNTY FUNDS	696,954	59%
COLLECTED FEES	3,270	0%
Product Quality	**$186,627**	
STATE FUNDS	65,325	35%
COUNTY FUNDS	90,745	49%
COLLECTED FEES	30,557	16%
Pest Prevention	**$1,831,788**	
STATE FUNDS	1,553,258	85%
COUNTY FUNDS	144,551	8%
COLLECTED FEES	133,979	7%

COUNTY OF SAN LUIS OBISPO
Department of Agriculture/Weights and Measures

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Karen Ross, Secretary
California Department of Food and Agriculture
And
The Honorable Board of Supervisors
San Luis Obispo County

In accordance with Section 2279 of the California Food and Agricultural Code, I am pleased to release the 2011 annual crop report for San Luis Obispo County. It is important to note that the values represented in this report do not reflect net profits for producers, but rather, the gross value of agricultural commodities produced within the county.

Overall crop values increased to $736,208,000, representing a 3% improvement compared to the previous year. This marked another record breaking year for San Luis Obispo's agricultural producers. Although weather conditions were favorable for many commodities, some crop production was hampered by unseasonable temperatures during the year. Prices, however, were a saving grace, compensating in part for less than desirable yields for some crops.

Strawberries took the top rank in 2011 overtaking wine grapes which had occupied the number one spot for the past 20 years. Strawberry acreage increased by 741 acres and growers benefited from solid prices and yields for an overall value of $179,012,000. Strawberries represented 24% of the overall crop value for the year.

Wine grapes suffered a significant decline in production due to freezing temperatures experienced in April 2011. The resulting damage reduced countywide yields by 34% compared to 2010 totals. A 3% decline in statewide production resulted in varietal prices improving from 2% to 22% which prevented a larger decline in overall local value for this industry sector. Wine grapes ended the year with a gross value of $129,738,000, down 25% from 2010.

The animal industry saw a significant increase in overall value ending the year at $71,479,000. Larger herd sizes due to ample rainfall and favorable grazing conditions, as well as high market prices, pushed cattle values to $66,825,000.

Please note the theme story for this year's report outlining the California Land Conservation Act of 1965, commonly known as the Williamson Act. This Act is considered to be one of the most important pieces of legislation enacted to protect and conserve agricultural lands and has been a great benefit to the farmers, ranchers, and citizenry of San Luis Obispo County.

I would like to thank all of the growers and businesses who provided key information for this report. Without their knowledge, expertise, and desire to contribute, this report would not be possible. Also, I would like to express gratitude to my staff for their efforts in compiling and analyzing this information and for their continued dedication to our mission of protecting agriculture.
Respectfully submitted,

Martin Settevendemie
Agricultural Commissioner/Sealer

The Williamson Act Aims to Protect Agricultural Land as an Economic Resource

In the early 1960's, the California Legislature recognized that valuable farmland throughout the state was being converted to urban uses at a rapid rate. In 1965, Assemblyman John Williamson authored a bill to preserve agricultural and open space lands by discouraging premature and unnecessary conversion to urban uses. By passing the California Land Conservation Act of 1965, commonly referred to as the Williamson Act, the Legislature found "that the preservation of a maximum amount of the limited supply of agricultural land is necessary to the conservation of the state's economic resources, and is necessary not only to the maintenance of the agricultural economy of the state, but also for the assurance of adequate, healthful and nutritious food for future residents of the state and nation."

In general, the Williamson Act allows for private landowners to contract with counties and cities to voluntarily restrict land to agricultural uses for a rolling term*, 10 or 20 year contract. Landowners receive substantially reduced property tax assessments in return for enrollment under Williamson Act contract because property tax assessments are based upon a rate consistent with the property's actual agricultural use as opposed to potential market value of the property. From 1972 to 2009, the State general fund paid direct subvention funds to participating counties and cities to partially compensate for the resulting loss in property tax revenue.

The Williamson Act is considered an important land preservation and growth management tool for local government and agriculture because it provides certainty to landowners that they will be able to continue farming without encroachment of incompatible non-agricultural uses. In 1972, the San Luis Obispo County Board of Supervisors adopted Rules of Procedure to locally implement the Williamson Act.

Since the local implementation of the Act, the program has had two major effects on San Luis Obispo County, according to Warren Hoag, the manager responsible for overseeing the Planning Department's administration of the program from 1980 until his retirement in 2011. "First, as an incentive-based program, it has strengthened the local agricultural economy by reducing the property tax burden on our ranchers and farmers in return for maintaining their properties in larger parcel sizes and producing important agricultural commodities. The second major effect is that the Williamson Act is San Luis Obispo County's most effective agricultural land preservation program. Approximately 795,000 acres of land in our County is under land conservation contract. This represents 37% of the total land area of the County and 57% of the agriculturally zoned land in the County."

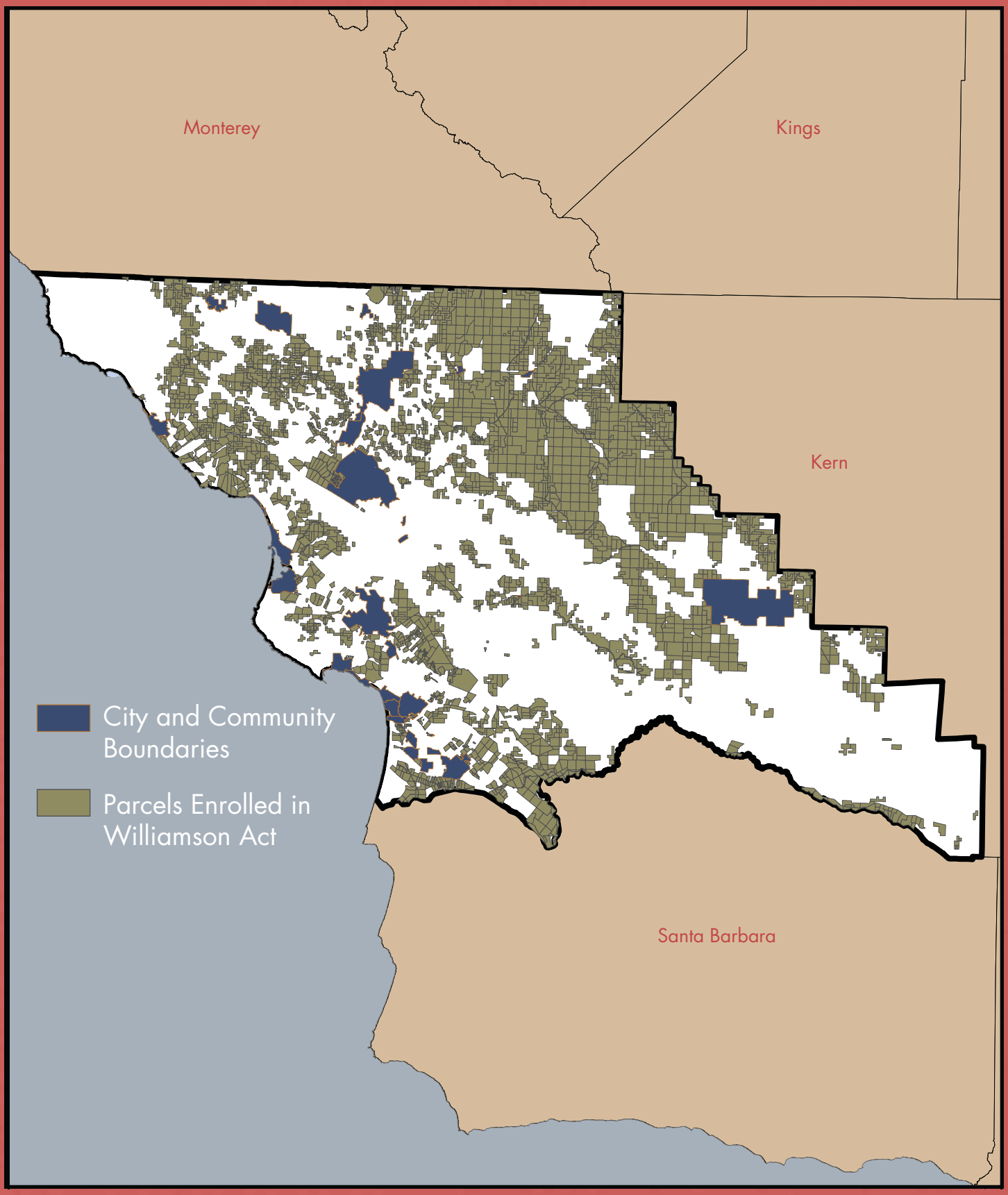
The benefits of maintaining the Williamson Act program has become an annual discussion item for the County Board of Supervisors because of the termination of State subvention funds. County residents recognize the economic and environmental value of preserving and protecting agricultural lands through the Williamson Act and the Board of Supervisors continues to demonstrate commitment to the program by allocating funding to cover the lost subvention payments.

When asked what the county might look like without the Williamson Act program, Hoag thought that "there would have been much more fracturing of our rural land into smaller residential home sites and hobby farms at the expense of maintaining that land in agricultural production. The areas adjacent to our communities would have been more intensively developed and the 'edge' separating urbanization and surrounding rural land would have been far less distinct. This in turn would have led to a loss of the rural setting and character that our County is known and valued for."

Even though the Williamson Act program has been in place in San Luis Obispo County for 40 years, it remains popular and continues to be an effective agricultural land conservation tool that benefits the farmers, ranchers, and the general citizenry of the County. Assemblyman Williamson's vision, wisdom, and hard work are evident throughout the county by the protection of agricultural land that provides the economic base for our strong local agricultural industry.

*Since the contract term automatically renews on each anniversary date of the contract, the actual term is essentially indefinite.

San Luis Obispo County Williamson Act Parcels



2011 Staff Highlights

In 2011, **Martin Settevendemie** was appointed Agricultural Commissioner/Sealer of Weights and Measures for San Luis Obispo County and became the seventh person to hold the job since 1922.

Marty's steady rise to department head began in 2000 when he was hired as a temporary help Inspector for the Glassy-winged Sharpshooter program. He earned permanent status as Agricultural Inspector/ Biologist in 2001. While working in the Pesticide Use Enforcement, Weeds and Pest Exclusion programs, he obtained the required licenses and experience and became a Deputy Agricultural Commissioner in 2005. Four years later Marty became fully qualified as an Agricultural Commissioner/Sealer of Weights and Measures, and was promoted to the job March 6, 2011.

Marty has been a resident of San Luis Obispo County for 28 years. His college career culminated in 1991 with a Bachelor of Science degree in Forestry and Natural Resource Management from Cal Poly. After graduation he worked locally for private industry conducting pesticide research. He also worked for the Department of Commerce, National Marine Fisheries Service where he played a supportive regulatory role as a Fisheries Observer. The data he gathered was used to access compliance with the Marine Mammal Protection Act and the job allowed him the good fortune of traveling to many countries in Central and South America to conduct his work. In that job Marty learned to appreciate the necessity of a fair regulatory process. That lesson combined with the core duties of the Department of Agriculture /Weights and Measures is what has led him on the perfect career path.

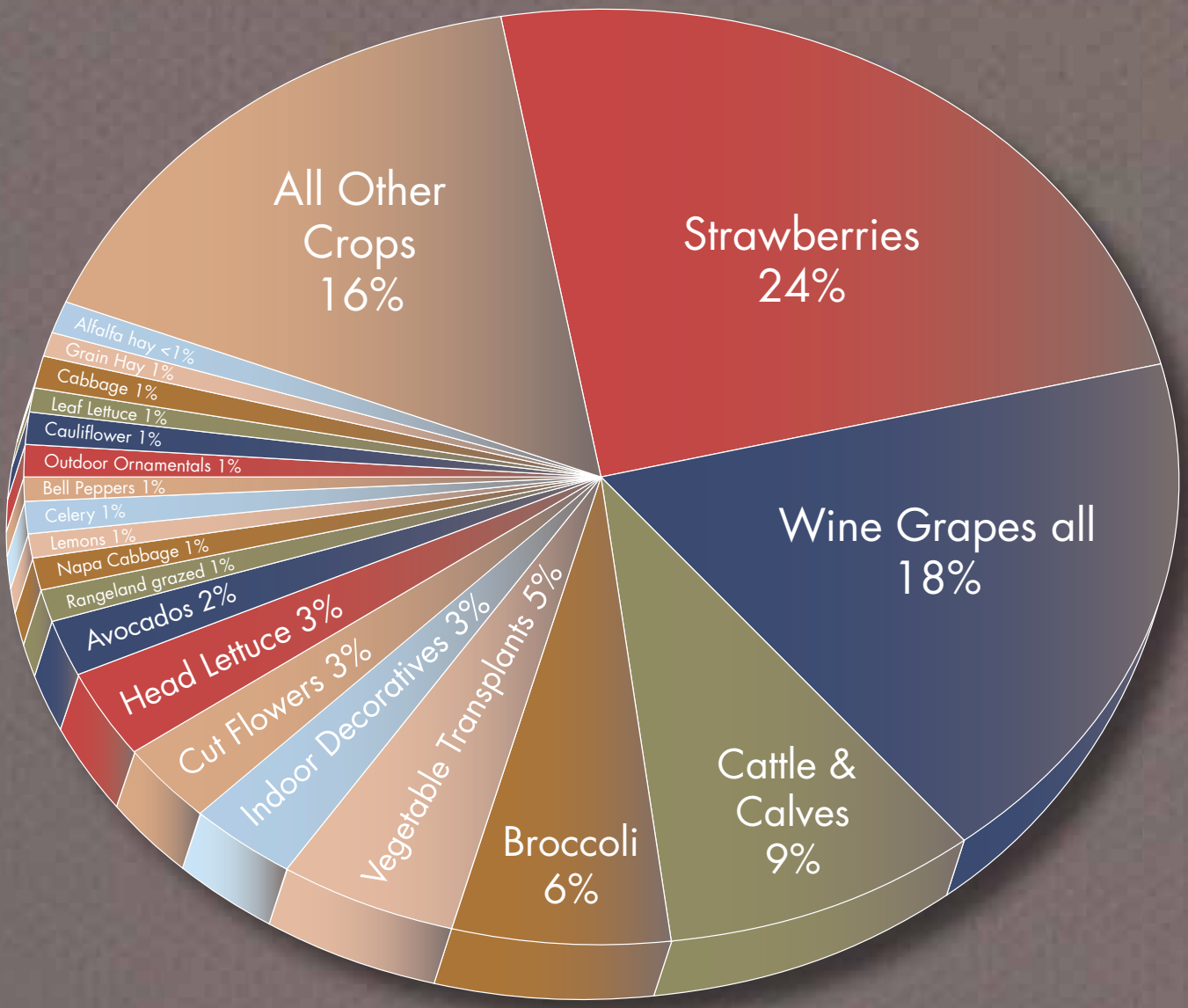
Marty's immediate goals in these current challenging economic times are to maintain our mandated services while protecting the county's environmental health and agricultural industry.

In December 2011 **Catherine Darling** celebrated her retirement from a 30 year career with the San Luis Obispo County Department of Agriculture Weights and Measures. Cathy was hired in 1982 and worked in all programs including Integrated Pest Management, Nursery Inspection, Pesticide use Enforcement, Weed Control, Pest Detection, and Pest Exclusion. Cathy's many creative and influential contributions to the Biological Control Program in San Luis Obispo County earned her the Challenge Award of Special Recognition by the County Supervisors Association of California.

This year we are proud to feature one of Cathy's beautiful pieces of artwork for our cover. Several years ago she drew this picture to honor the hard working farmers of our county.

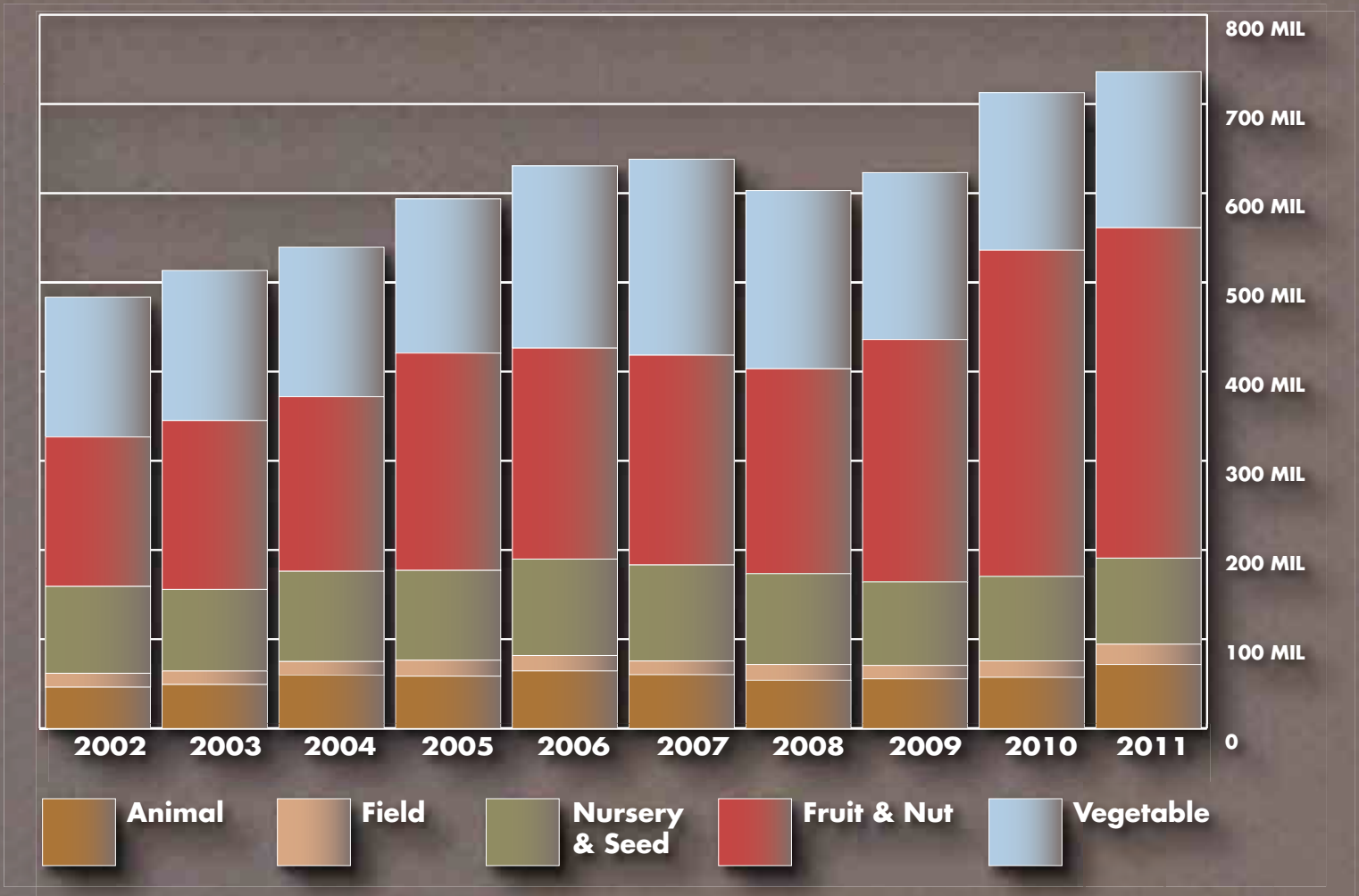
We wish to thank Cathy and congratulate her on a long and wonderful career. May great health and joy be with her for a full and happy retirement.

Top Twenty Value Crops



1. **Strawberries** $179,012,000
2. **Wine Grapes all** $129,738,000
3. **Cattle and Calves** $66,825,000
4. **Broccoli** $46,217,000
5. **Vegetable Transplants** $34,825,000
6. **Indoor Decoratives** $25,079,000
7. **Cut Flowers** $23,771,000
8. **Head lettuce** $20,386,000
9. **Avocados** $17,320,000
10. **Rangeland grazed** $10,250,000
11. **Napa Cabbage** $9,182,000
12. **Lemons** $8,112,000
13. **Celery** $7,970,000
14. **Bell peppers** $7,606,000
15. **Outdoor Ornamentals** $7,006,000
16. **Cauliflower** $6,882,000
17. **Leaf Lettuce** $6,611,000
18. **Cabbage** $4,386,000
19. **Grain Hay** $3,963,000
20. **Alfalfa Hay** $3,238,000

Comparison of Valuation of Major Groups During the Past Ten Years



YEAR	ANIMAL	FIELD	NURSERY	FRUIT & NUT	VEGETABLE	TOTAL VALUE
2002	46,161,000	15,595,000	97,377,000	167,555,000	156,687,000	483,375,000
2003	49,181,000	15,161,500	91,476,000	189,144,000	168,423,000	513,385,500
2004	59,620,000	15,342,100	101,156,000	195,712,000	167,606,000	539,436,100
2005	58,380,000	18,055,000	100,697,000	243,604,000	172,896,000	593,632,000
2006	64,244,000	17,477,000	108,066,000	236,491,000	204,336,000	630,614,000
2007	60,078,000	15,462,000	107,674,000	235,135,000	219,746,000	638,095,000
2008	53,848,000	17,790,000	101,845,000	229,661,000	199,778,000	602,922,000
2009	55,375,000	15,178,000	93,759,000	271,474,000	187,309,000	623,095,000
2010	57,139,000	18,545,000	94,708,000	365,750,000	176,666,000	712,808,000
2011	71,479,000	22,929,000	96,454,000	370,365,000	174,981,000	736,208,000

Animal Industry

The beef cattle industry saw larger herd sizes due to favorable grazing conditions and excellent prices resulting in a 25% increase in value over 2010. Drought conditions throughout the United States increased the demand for locally raised beef cattle.

Commodity	Year	Number Of Head	Production	Unit	Per Unit	Total
Cattle and Calves	2011	81,000	607,500	Cwt	$110.00	$66,825,000
	2010	77,500	550,250	Cwt	$97.00	$53,374,000
Miscellaneous*	2011					4,654,000
	2010					3,765,000
TOTAL ANIMAL INDUSTRY	**2011**					**$71,479,000**
	2010					**$57,139,000**

* *Aquaculture, Eggs, Goats, Lambs, Sheep, Wool, Chickens, Pigs*

Field Crops

Growing conditions for field crops such as barley, grain hay and alfalfa were variable due to the timing of the ample rainfall. Prices, however, were very strong overall as demand for animal feed increased due to the diversion of other feed crops throughout the United States to fuel production. Overall the combined value of field crops was 24% above 2010 levels.

		Acreage		Production			Value	
Crop	Year	Planted	Harvested	Per Acre	Total	Unit	Per Unit	Total
Alfalfa Hay	2011	2,110	2,110	5.88	12,407	Ton	$261.00	$3,238,000
	2010	2,216	2,216	5.72	12,676	Ton	$140.00	$1,775,000
Barley	2011	12,969	12,818	0.90	11,536	Ton	260.00	2,999,000
	2010	11,179	11,136	1.35	15,034	Ton	182.00	2,736,000
Grain Hay ++	2011	9,972	9,569	2.18	20,860	Ton	190.00	3,963,000
	2010	11,746	11,636	2.28	26,530	Ton	102.00	2,706,000
Grain Stubble (Grazed)	2011		8,323			Acre	11.00	92,000
	2010		6,038			Acre	17.00	103,000
Rangeland, Grazed	2011		1,025,000			Acre	10.00	10,250,000
	2010		1,025,000			Acre	9.00	9,225,000
Miscellaneous*	2011	3,467	4,612**					2,387,000
	2010	5,342	6,252**					2,000,000
TOTAL FIELD CROPS	**2011**	**28,518**	**1,062,432**					**$22,929,000**
	2010	**30,483**	**1,062,278**					**$18,545,000**

* Irrigated Pasture, Green Chop, Oats, Silage Corn, Safflower, Sudan Grass, Wheat, Field Seed
++ Includes winter forage
** Harvested acres include irrigated pasture

Fruit & Nut Crops

For the first time in San Luis Obispo County's history, the strawberry industry moved into the top position in overall value in 2011, representing 24% of the combined value of the County's entire agricultural industry. Over 119,000 tons of strawberries were picked in 2011.

Wine grapes slipped into the second position in overall value, ending 20 consecutive years as the number one ranked commodity in value. The production overall was 34% less than 2010 due to the devastating effects of the severe frost on April 8-9, 2011. Consumer demand and prices remained strong throughout 2011.

Avocado, lemon and orange growers experienced reduced yields due to the cool spring, high winds, and unusually warm days throughout the year. Yields for avocados dropped by 72% due to weather conditions and the natural alternating low yield fruit cycle of the trees, resulting in a a 52% drop in overall value compared to 2010. Dry-land farmed walnuts benefitted from the ample rainfall in 2011 and strong prices resulting in a 23% increase in value over 2010 levels.

		Acreage		Production				
Crop	**Year**	**Planted**	**Bearing/Harvested**	**Per Acre**	**Total**	**Unit**	**Per Unit**	**Total**
Avocados	2011	4,800	4,549	1.380	6,278	Ton	$2,759.00	$17,320,000
	2010	4,800	4,319	5.242	22,640	Ton	$1,584.00	$35,862,000
Grapes, Wine (All)	2011	37,688	35,086		114,600	Ton		129,738,000
	2010	36,253	33,827		173,885	Ton		173,558,000
Chardonnay	2011		3,474	3.380	11,742	Ton	1,213.00	14,243,000
	2010		3,381	5.712	19,312	Ton	1,195.00	23,078,000
Sauvignon Blanc	2011		950	4.213	4,002	Ton	998.00	3,994,000
	2010		915	7.217	6,604	Ton	842.00	5,560,000
White Wine (Other)	2011		1,801	2.713	4,886	Ton	1,173.00	5,731,000
	2010		1,750	4.562	7,984	Ton	1,109.00	8,854,000
Cabernet Sauvignon	2011		11,279	3.176	35,822	Ton	1,119.00	40,085,000
	2010		10,966	5.364	58,822	Ton	965.00	56,763,000
Merlot	2011		4,790	5.221	25,009	Ton	864.00	21,607,000
	2010		4,755	7.003	33,299	Ton	735.00	24,475,000
Pinot Noir	2011		2,106	1.379	2,905	Ton	2,681.00	7,788,000
	2010		1,994	1.825	3,640	Ton	2,474.00	9,005,000
Syrah	2011		3,694	2.274	8,400	Ton	1,189.00	9,988,000
	2010		3,462	3.959	13,706	Ton	977.00	13,391,000
Zinfandel	2011		3,099	2.709	8,395	Ton	1,164.00	9,772,000
	2010		2,869	3.800	10,902	Ton	1,064.00	11,600,000
Red Wine (Other)	2011		3,893	3.452	13,439	Ton	1,230.00	16,530,000
	2010		3,735	5.252	19,616	Ton	1,062.00	20,832,000
Lemons	2011	1,634	1,571	10.780	16,935	Ton	479.00	8,112,000
	2010	1,634	1,542	14.024	21,625	Ton	377.00	8,153,000
Strawberries (All)	2011		3,159		119,713	Ton		179,012,000
	2010		2,418		85,508	Ton		123,542,000
Fresh	2011			28.794	90,960	Ton	1,742.00	158,453,000
	2010			26.094	63,095	Ton	1,752.00	110,543,000
Processed	2011			9.102	28,753	Ton	715.00	20,559,000
	2010			9.269	22,412	Ton	580.00	12,999,000
Valencia Oranges	2011	295	295	14.119	4,165	Ton	162.00	675,000
	2010	295	295	25.860	7,629	Ton	177.00	1,350,000
English Walnuts	2011	2,371	2,371	0.512	1,214	Ton	2,599.00	3,155,000
	2010	2,371	2,330	0.488	1,137	Ton	2,259.00	2,569,000
Miscellaneous *	2011	2,959	2,459					32,353,000
	2010	2,912	2,290					20,716,000
TOTAL FRUIT & NUT CROPS	**2011**	**49,747**	**49,490**					**$370,365,000**
	2010	**48,265**	**47,021**					**$365,750,000**

* Almonds, Apples, Apricots, Asian Pears, Blackberries, Blueberries, Feijoas, Grapefruit, Kiwis, Mandarin Oranges, Navel Oranges, Olives, Passion Fruit, Peaches, Persimmons, Pistachios, Pomegranates, Raspberries, Specialty Citrus, Table Grapes

Vegetable Crops

The number of harvested acres of vegetable crops decreased by 5% from 2010 due primarily to the conversion of some of the historic vegetable acreage to strawberry production. Yields for some vegetable crops were negatively impacted by the cool and wet weather in 2011. Weather conditions also contributed to mildew problems affecting the yields and quality of sugar pea, bok choy, spinach and Napa cabbage plantings. The high cost of transportation and labor shortages continued to negatively affect the local vegetable industry in 2011. The value of vegetables decreased 1% overall.

Crop	Year	Harvested Acreage	Production Per Acre	Total	Unit	Per Unit	Total
Bell Peppers	2011	695	19.684	13,680	Ton	$555.98	$7,606,000
	2010	849	11.445	9,717	Ton	$478.00	$4,645,000
Bok Choy	2011	328	19.769	6,484	Ton	356.82	2,314,000
	2010	298	50.400	15,019	Ton	241.00	3,620,000
Broccoli (All)	2011	10,297	6.455	66,467	Ton	695.34	46,217,000
	2010	13,351	6.049	80,760	Ton	691.30	55,830,000
Cabbage	2011	681	17.711	12,061	Ton	363.66	4,386,000
	2010	559	20.723	11,584	Ton	347.11	4,021,000
Cauliflower	2011	1,280	9.752	12,483	Ton	551.29	6,882,000
	2010	1,705	9.600	16,368	Ton	566.40	9,271,000
Celery	2011	906	33.456	30,311	Ton	262.94	7,970,000
	2010	845	36.960	31,231	Ton	272.99	8,526,000
Lettuce, Head	2011	3,949	20.497	80,943	Ton	251.86	20,386,000
	2010	3,592	15.200	54,598	Ton	338.00	18,454,000
Lettuce, Leaf	2011	1,187	9.831	11,669	Ton	566.50	6,611,000
	2010	1,002	10.500	10,521	Ton	528.80	5,564,000
Napa Cabbage	2011	1,056	21.091	22,272	Ton	412.27	9,182,000
	2010	1,230	38.240	47,035	Ton	299.00	14,064,000
Peas Edible Pod	2011	322	0.796	256	Ton	2,327.99	597,000
	2010	422	3.260	1,376	Ton	1,622.00	2,231,000
Squash	2011	237	11.843	2,807	Ton	660.85	1,855,000
	2010	233	13.365	3,114	Ton	381.99	1,190,000
Miscellaneous*	2011	8,369					60,975,000
	2010	6,917					49,250,000
TOTAL VEGETABLE CROPS	**2011**	**29,307**					**$174,981,000**
	2010	**31,003**					**$176,666,000**

* *Artichokes, Beans, Beets, Brussel Sprouts, Carrots, Chard, Chili Peppers, Cilantro, Collards, Cucumbers, Daikon, Dandelion, Dill, Endive, Escarole, Fennel, Garlic, Green Onions, Herbs, Kale, Melons, Mushrooms, Mustard, Onions, Parsley, Potatoes, Pumpkins, Radishes, Spinach, Sweet Corn, Tomato, Tomatillo*

Nursery Products

The downturned economy and lack of new housing construction continued to hit the local bedding plant and outdoor ornamental nursery producers hard in 2011. However, the total value for the nursery industry rebounded by 2% overall compared to just a 1% increase in 2010. The demand throughout the state for locally grown vegetable transplants held steady. Greenhouse growers found more efficient ways to produce high quality plants and consumer demand for indoor decorative plants improved. Growers continued to struggle with high transportation and shipping costs.

Crop	Year	Field Production (acres)	Greenhouse Production (sq ft)	Value
Bedding Plants, Sod, & Ground Cover	2011	10	112,430	$3,039,000
	2010	63	109,000	$3,827,000
Cut Flowers and Greens	2011 ^	126	2,835,865	23,771,000
	2010 ^	131	3,103,804	23,313,000
Indoor Decoratives	2011	1	2,657,695	25,079,000
	2010	1	2,364,295	23,289,000
Outdoor Ornamentals	2011	76	146,490	7,006,000
	2010	84	98,108	8,152,000
Vegetable and Ornamental Transplants	2011	24	1,777,732	34,825,000
	2010	23	1,749,828	33,460,000
Miscellaneous*	2011	126	136,307	2,734,000
	2010	129	136,506	2,667,000
TOTAL NURSERY STOCK	**2011**	**363**	**7,666,519**	**$96,454,000**
	2010	**431**	**7,561,541**	**$94,708,000**

* *Aquatic, Bulbs, Cacti, Christmas Trees, Fruit-Nut trees, Herbs, Propagative plants, Scion wood, Flower seed, Specialty plants, Succulents*
^ *Includes cut flowers grown in greenhouse and field*

Sustainable Agriculture Report

BIOLOGICAL CONTROL PROGRAM

Throughout 2011, three different species of *Gonatocerus* parasitic wasps were released for control of a small, localized glassy-winged sharpshooter infestation that was detected within the city of San Luis Obispo. The wasps parasitize the egg masses of the sharpshooter. Only three live sharpshooters were detected within the infested area during 2011, and none were detected after the month of August. Monitoring will continue for several additional growing seasons in order to insure the success of this ongoing eradication program.

The Department also worked with the California Department of Food and Agriculture to release thousands of *Trichogramma platneri*; this tiny wasp destroys the eggs of the light brown apple moth, which was detected in Los Osos. Trapping for the moth will continue throughout 2012 to monitor this infestation.

Gonatacerus

PEST DETECTION PROGRAM

California is one of the main points of entry for imported goods into the United States. As a result, introductions of invasive and destructive agricultural pests into California have become more frequent. The California Department of Food and Agriculture's statewide pest detection trapping program, implemented locally by the Agricultural Commissioner, is designed to intercept pests quickly when pest population levels are still low and controllable. County Pest Detection staff placed over 5,000 insect traps and conducted over 59,000 service visits during 2012.

Trap monitoring of a small population of glassy-winged sharpshooter (*Homalodisca vitripennis*) in San Luis Obispo, originally detected in a trap in September 2010, resulted in no further interception of sharpshooters following an eradication program conducted in Spring and Summer 2011.

Light brown apple moths (*Epiphyas postvittana*) continued to show up in traps placed throughout Los Osos causing the extension of the localized quarantine for this destructive pest. Additional interceptions of the moth in July 2011 triggered a quarantine action for portions of Cayucos. An interception of a single moth trapped in Nipomo initiated additional trapping which yielded no additional interceptions.

EGVM trap

Intensified trapping for the European grapevine moth (*Lobesia botrana*) was conducted statewide in 2011 to determine the presence of this damaging grape pest. The number of traps placed in the county increased from 1200 in 2010 to 1700 traps in 2011. Successful eradication measures in other portions of the State and pest exclusion efforts locally helped prevent any interceptions of the European grapevine moth in San Luis Obispo County.

The Asian citrus psyllid (*Diaphorina citri Kuwayama*) continued its spread throughout California in 2011. Most of Southern California was under quarantine for this pest, which is capable of transmitting the fatal citrus greening disease or Huanglongbing. Despite trapping interceptions as far north as Ventura, this pest was not detected in San Luis Obispo County in 2011.

The department also monitored for other pests detrimental to agriculture, including a variety of exotic fruit flies, the red imported fire ant, gypsy moth, and Japanese beetle, none of which were captured in traps in 2011.

Local trapping efforts aimed at detrimental pests helped maintain the high quality of agricultural products grown in San Luis Obispo County and assured growers access to the global market.

PEST EXCLUSION PROGRAM

In order to protect San Luis Obispo County agriculture and the environment from the introduction of pests that do not exist here, staff, intercepted, inspected, quarantined, excluded and destroyed incoming plant shipments infested with various kinds

of harmful pests originating from across the United States and around the world. During 2011, of the 12,109 plant shipments held for inspection, 4,979 shipments were visually inspected and 49 were rejected for significant pest finds or violations of other California regulatory requirements.

Efforts to protect agriculture and the environment extend beyond our county borders. In addition to the inspection of incoming plant material, staff certified 1,808 outgoing shipments of fresh produce and plants leaving local farms and nurseries
for destinations throughout the United States and the world. Examples of exported locally grown products include broccoli to Canada, strawberries to Mexico, and nursery stock to Canada and the Netherlands.

Staff also inspected 4,496 nursery shipments that originated from outside of the county for the presence of the glassy-winged sharpshooter. Due to the success of this statewide program only two shipments infested with the glassy-winged sharpshooter were detected in 2011. This thorough inspection program has been successful in preventing the glassy-winged sharpshooter from becoming widely established in our county. One small infestation was detected within the city of San Luis Obispo in late 2010, but that infestation has largely been contained and eradication could be declared by 2013.

ORGANIC CROP STATISTICS

A total of 103 registered organic producers, handlers and brokers operated in San Luis Obispo County in 2011, a 13% increase in registrants over 2010. According to the California Department of Food and Agriculture, San Luis Obispo County ranked #11 out of 58 counties for the number of registrants. Producers registered 14,114 acres, which included rangeland for organic livestock, wild mushroom and fallow lands, as organic in 2011. Registered organic acres represent acres under production or acreage that could potentially be under organic production during 2011 in compliance with the requirements of the California Organics Products Act of 2003 and the National Organics Program.

CERTIFIED FARMERS' MARKETS OF SAN LUIS OBISPO COUNTY

Local farmers' markets allow producers to sell their certified commodities directly to the public. There are 138 certified producers that have been issued San Luis Obispo County certificates. The following 18 Farmers' Markets have been certified by the Agricultural Commissioner to market local and regional produce in San Luis Obispo County. These producers offer a wide variety of commodities, with broad year round access.

MONDAY:

Los Osos/Baywood
Santa Maria St. and 2nd St.. . . . . 2:00 - 4:30 pm

TUESDAY:

Paso Robles
Downtown City Park . . . . . 3:00 - 6:00 pm

WEDNESDAY:

Arroyo Grande
Spencer's Parking Lot, Courtland & E. Grand . . . 8:30 - 11:00 am

Pismo Beach
Pismo Beach Promenade . . . . . 3:00 - 7:00 pm

Atascadero
Albertson's Parking Lot. . . . . 3:00 - 6:00 pm

THURSDAY:

Morro Bay
Spencer's Parking Lot, 2650 Main St. . . . . 2:30 - 5:00 pm

San Luis Obispo
Downtown San Luis Obispo Higuera St.. . . . . 6:00 - 9:00 pm

FRIDAY:

Avila Beach
Downtown Promenade (April - September). . . . . 4:00 - 8:00 pm

Cambria
Vet's Hall Parking Lot, 1000 Main St. . . . . 2:30 - 5:00 pm

Cayucos
Downtown Vets Hall (Memorial Day - Labor Day) . 9:30 am - 12:00 pm

SATURDAY:

San Luis Obispo
Cost Plus Parking Lot Madonna Rd. . . . . 8:00 - 10:30 am

Arroyo Grande
Downtown Gazebo, Branch St.. . . . . 12:00 - 2:30 pm

Paso Robles
Downtown City Park . . . . . 9:00 am - 1:00 pm

Templeton
Downtown Park, 6th and Crocker St.. . . . . 9:00 am - 12:30 pm

Morro Bay
Downtown Main St.. . . . . 3:00 - 6:00 pm

SUNDAY:

Nipomo
Monarch Dunes Country Club, 1645 Trilogy Pkwy. . 11:30 am - 2:30 pm

Grover Beach
Ramona Garden Park, 995 Ramona . . . . . 3:00 pm - 6:00 pm
(June - September)

San Luis Obispo
Kennedy Club Parking Lot 3889 Long St. . . . 10:00 am - 2:00 pm

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2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Alamo Creek	CAR3123008319980825153136	River & Stream	R	5	18060007	31230071	8	Miles
3	Regional Board 3 - Central Coast Region	Alamo Creek	CAR3123008319980825153136	River & Stream	R	5	18060007	31230071	8	Miles
3	Regional Board 3 - Central Coast Region	Alamo Creek	CAR3123008319980825153136	River & Stream	R	5	18060007	31230071	8	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Creek (Monterey County)	CAR3097009519990222130537	River & Stream	R	5	18060011	30970093	16	Miles
3	Regional Board 3 - Central Coast Region	Alisal Slough (Monterey County)	CAR3091101020090311204028	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Alisal Slough (Monterey County)	CAR3091101020090311204028	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Alisal Slough (Monterey County)	CAR3091101020090311204028	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Alisal Slough (Monterey County)	CAR3091101020090311204028	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Aptos Creek	CAR3041302320020319065717	River & Stream	R	5	18060001	30413023	8	Miles
3	Regional Board 3 - Central Coast Region	Aptos Creek	CAR3041302320020319065717	River & Stream	R	5	18060001	30413023	8	Miles
3	Regional Board 3 - Central Coast Region	Aptos Creek	CAR3041302320020319065717	River & Stream	R	5	18060001	30413023	8	Miles
3	Regional Board 3 - Central Coast Region	Aptos Creek	CAR3041302320020319065717	River & Stream	R	5	18060001	30413023	8	Miles
3	Regional Board 3 - Central Coast Region	Aptos Creek	CAR3041302320020319065717	River & Stream	R	5	18060001	30413023	8	Miles
3	Regional Board 3 - Central Coast Region	Aptos Creek	CAR3041302320020319065717	River & Stream	R	5	18060001	30413023	8	Miles
3	Regional Board 3 - Central Coast Region	Aptos Creek	CAR3041302320020319065717	River & Stream	R	5	18060001	30413023	8	Miles
3	Regional Board 3 - Central Coast Region	Arana Gulch	CAR3041205119990222133711	River & Stream	R	5	18060001	30412051	5	Miles
3	Regional Board 3 - Central Coast Region	Arana Gulch	CAR3041205119990222133711	River & Stream	R	5	18060001	30412051	5	Miles
3	Regional Board 3 - Central Coast Region	Arana Gulch	CAR3041205119990222133711	River & Stream	R	5	18060001	30412051	5	Miles
3	Regional Board 3 - Central Coast Region	Arana Gulch	CAR3041205119990222133711	River & Stream	R	5	18060001	30412051	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Burro Creek	CAR3153201019990222134526	River & Stream	R	5	18060013	31532010	6	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Burro Creek	CAR3153201019990222134526	River & Stream	R	5	18060013	31532010	6	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Burro Creek	CAR3153201019990222134526	River & Stream	R	5	18060013	31532010	6	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Burro Creek	CAR3153201019990222134526	River & Stream	R	5	18060013	31532010	6	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Burro Creek	CAR3153201019990222134526	River & Stream	R	5	18060013	31532010	6	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Burro Creek	CAR3153201019990222134526	River & Stream	R	5	18060013	31532010	6	Miles
3	Regional Board 3 - Central Coast Region	Arroyo De La Cruz	CAR3101201320020117141339	River & Stream	R	5	18060006	31012013	11	Miles
3	Regional Board 3 - Central Coast Region	Arroyo De La Cruz	CAR3101201320020117141339	River & Stream	R	5	18060006	31012013	11	Miles
3	Regional Board 3 - Central Coast Region	Arroyo De La Cruz	CAR3101201320020117141339	River & Stream	R	5	18060006	31012013	11	Miles
3	Regional Board 3 - Central Coast Region	Arroyo De La Cruz	CAR3101201320020117141339	River & Stream	R	5	18060006	31012013	11	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947	River & Stream	R	5	18060006	31031020	13	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947	River & Stream	R	5	18060006	31031020	13	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947	River & Stream	R	5	18060006	31031020	13	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947	River & Stream	R	5	18060006	31031020	13	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947	River & Stream	R	5	18060006	31031020	13	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947	River & Stream	R	5	18060006	31031020	13	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Paredon	CAR3153401019990222143223	River & Stream	R	5	18060013	31534010	5	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Seco River	CAR3096003219990222144047	River & Stream	R	5	18060005	30960032	43	Miles
3	Regional Board 3 - Central Coast Region	Arroyo Seco River	CAR3096003219990222144047	River & Stream	R	5	18060005	30960032	43	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (San Luis Obispo County)	CAR3098112419990222145136	River & Stream	R	5	18060005	30981124	5	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (San Luis Obispo County)	CAR3098112419990222145136	River & Stream	R	5	18060005	30981124	5	Miles

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Atascadero Creek (San Luis Obispo County)	CAR309811241999022214513 6	River & Stream	R	5	18060005	30981124	5	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	River & Stream	R	5	18060013	31531011	6	Miles
3	Regional Board 3 - Central Coast Region	Beach Road Ditch	CAR305100302008060312383 9	River & Stream	R	5	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Beach Road Ditch	CAR305100302008060312383 9	River & Stream	R	5	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Beach Road Ditch	CAR305100302008060312383 9	River & Stream	R	5	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Beach Road Ditch	CAR305100302008060312383 9	River & Stream	R	5	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Beach Road Ditch	CAR305100302008060312383 9	River & Stream	R	5	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Beach Road Ditch	CAR305100302008060312383 9	River & Stream	R	5	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Beach Road Ditch	CAR305100302008060312383 9	River & Stream	R	5	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Bean Creek	CAR304120411999022215225 1	River & Stream	R	4a	18060001	30412041	9	Miles
3	Regional Board 3 - Central Coast Region	Bean Creek	CAR304120411999022215225 1	River & Stream	R	4a	18060001	30412041	9	Miles
3	Regional Board 3 - Central Coast Region	Bean Creek	CAR304120411999022215225 1	River & Stream	R	4a	18060001	30412041	9	Miles
3	Regional Board 3 - Central Coast Region	Bean Creek	CAR304120411999022215225 1	River & Stream	R	4a	18060001	30412041	9	Miles
3	Regional Board 3 - Central Coast Region	Bean Creek	CAR304120411999022215225 1	River & Stream	R	4a	18060001	30412041	9	Miles
3	Regional Board 3 - Central Coast Region	Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	River & Stream	R	4a	18060001	30412030	6	Miles
3	Regional Board 3 - Central Coast Region	Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	River & Stream	R	4a	18060001	30412030	6	Miles
3	Regional Board 3 - Central Coast Region	Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	River & Stream	R	4a	18060001	30412030	6	Miles
3	Regional Board 3 - Central Coast Region	Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	River & Stream	R	4a	18060001	30412030	6	Miles
3	Regional Board 3 - Central Coast Region	Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	River & Stream	R	4a	18060001	30412030	6	Miles
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	River & Stream	R	5	18060013	31510013	1	Miles
3	Regional Board 3 - Central Coast Region	Bennett Slough	CAR3060001420080611160605	River & Stream	R	5	18060011	30600014	2	Miles
3	Regional Board 3 - Central Coast Region	Bennett Slough	CAR3060001420080611160605	River & Stream	R	5	18060011	30600014	2	Miles
3	Regional Board 3 - Central Coast Region	Bennett Slough	CAR3060001420080611160605	River & Stream	R	5	18060011	30600014	2	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blanco Drain	CAR309110101998120916150 9	River & Stream	R	5	18060011	30911010	15	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Blosser Channel	CAR3121003020011121135941	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Boulder Creek	CAR3041202019990223102514	River & Stream	R	4a	18060001	30412020	8	Miles
3	Regional Board 3 - Central Coast Region	Boulder Creek	CAR3041202019990223102514	River & Stream	R	4a	18060001	30412020	8	Miles
3	Regional Board 3 - Central Coast Region	Boulder Creek	CAR3041202019990223102514	River & Stream	R	4a	18060001	30412020	8	Miles
3	Regional Board 3 - Central Coast Region	Boulder Creek	CAR3041202019990223102514	River & Stream	R	4a	18060001	30412020	8	Miles
3	Regional Board 3 - Central Coast Region	Boulder Creek	CAR3041202019990223102514	River & Stream	R	4a	18060001	30412020	8	Miles
3	Regional Board 3 - Central Coast Region	Boulder Creek	CAR3041202019990223102514	River & Stream	R	4a	18060001	30412020	8	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Canyon Creek	CAR3121003020011121144840	River & Stream	R	5	18060008	31210030	17	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Bradley Channel	CAR3121003020021002233532	River & Stream	R	5	18060008	31210030	3	Miles
3	Regional Board 3 - Central Coast Region	Branciforte Creek	CAR3041205119990223104548	River & Stream	R	5	18060001	30412051	6	Miles
3	Regional Board 3 - Central Coast Region	Branciforte Creek	CAR3041205119990223104548	River & Stream	R	5	18060001	30412051	6	Miles
3	Regional Board 3 - Central Coast Region	Branciforte Creek	CAR3041205119990223104548	River & Stream	R	5	18060001	30412051	6	Miles
3	Regional Board 3 - Central Coast Region	Branciforte Creek	CAR3041205119990223104548	River & Stream	R	5	18060001	30412051	6	Miles
3	Regional Board 3 - Central Coast Region	Branciforte Creek	CAR3041205119990223104548	River & Stream	R	5	18060001	30412051	6	Miles
3	Regional Board 3 - Central Coast Region	Branciforte Creek	CAR3041205119990223104548	River & Stream	R	5	18060001	30412051	6	Miles
3	Regional Board 3 - Central Coast Region	Branciforte Creek	CAR3041205119990223104548	River & Stream	R	5	18060001	30412051	6	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada De La Gaviota	CAR3151003119990223115746	River & Stream	R	5	18060013	31510031	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Canada Del Refugio	CAR3151002219990223132423	River & Stream	R	5	18060013	31510022	7	Miles
3	Regional Board 3 - Central Coast Region	Carbonera Creek	CAR3041205319980825105618	River & Stream	R	5	18060001	30412050	10	Miles
3	Regional Board 3 - Central Coast Region	Carbonera Creek	CAR3041205319980825105618	River & Stream	R	5	18060001	30412050	10	Miles
3	Regional Board 3 - Central Coast Region	Carbonera Creek	CAR3041205319980825105618	River & Stream	R	5	18060001	30412050	10	Miles
3	Regional Board 3 - Central Coast Region	Carbonera Creek	CAR3041205319980825105618	River & Stream	R	5	18060001	30412050	10	Miles
3	Regional Board 3 - Central Coast Region	Carbonera Creek	CAR3041205319980825105618	River & Stream	R	5	18060001	30412050	10	Miles
3	Regional Board 3 - Central Coast Region	Carbonera Creek	CAR3041205319980825105618	River & Stream	R	5	18060001	30412050	10	Miles
3	Regional Board 3 - Central Coast Region	Carbonera Creek	CAR3041205319980825105618	River & Stream	R	5	18060001	30412050	10	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carnadero Creek	CAR3053002019990223155037	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carneros Creek (Monterey County)	CAR3060001020090115165216	River & Stream	R	5	18060011	30600010	12	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Creek	CAR3153402019980825112405	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Carpinteria Marsh (El Estero Marsh)	CAE3153402019980827165144	Estuary	E	5	18060013	31534020	188	Acres
3	Regional Board 3 - Central Coast Region	Carpinteria Marsh (El Estero Marsh)	CAE3153402019980827165144	Estuary	E	5	18060013	31534020	188	Acres
3	Regional Board 3 - Central Coast Region	Carpinteria Marsh (El Estero Marsh)	CAE3153402019980827165144	Estuary	E	5	18060013	31534020	188	Acres
3	Regional Board 3 - Central Coast Region	Carpinteria Marsh (El Estero Marsh)	CAE3153402019980827165144	Estuary	E	5	18060013	31534020	188	Acres
3	Regional Board 3 - Central Coast Region	Carpinteria Marsh (El Estero Marsh)	CAE3153402019980827165144	Estuary	E	5	18060013	31534020	188	Acres
3	Regional Board 3 - Central Coast Region	Carpinteria Marsh (El Estero Marsh)	CAE3153402019980827165144	Estuary	E	5	18060013	31534020	188	Acres
3	Regional Board 3 - Central Coast Region	Carpinteria Marsh (El Estero Marsh)	CAE3153402019980827165144	Estuary	E	5	18060013	31534020	188	Acres
3	Regional Board 3 - Central Coast Region	Casmalia Canyon Creek	CAR3130004020020117145508	River & Stream	R	5	18060009	31300040	5	Miles
3	Regional Board 3 - Central Coast Region	Chesbro Reservoir	CAL3052001420020124162255	Lake & Reservoir	L	5	18060002	30520014	214	Acres
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Cholame Creek	CAR3170008120011127080727	River & Stream	R	5	18060004	31700053	9	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chorro Creek	CAR3102201219980825120817	River & Stream	R	4a	18060006	31022012	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR3091900020080604161337	River & Stream	R	5	18060011	30919000	14	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chualar Creek	CAR309190002008060416133 7	River & Stream	R	5	18060011	30919000	14	Miles
3	Regional Board 3 - Central Coast Region	Chumash Creek	CAR310220112002100121351 4	River & Stream	R	5	18060006	31022011	2	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Cieneguitas Creek	CAR315310112008061216590 8	River & Stream	R	5	18060013	31531011	3	Miles
3	Regional Board 3 - Central Coast Region	Clear Creek (San Benito County)	CAR305500132002100418114 6	River & Stream	R	4a	18060002	30550013	10	Miles
3	Regional Board 3 - Central Coast Region	Corcoran Lagoon	CAW304130142010081617112 3	Wetland, Freshwater	W	5	18060001	30413014	12	Acres
3	Regional Board 3 - Central Coast Region	Corcoran Lagoon	CAW304130142010081617112 3	Wetland, Freshwater	W	5	18060001	30413014	12	Acres
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Corralitos Creek	CAR305100101999022510270 4	River & Stream	R	5	18060002	30510010	13	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	River & Stream	R	5	18060007	31230060	80	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	River & Stream	R	5	18060007	31230060	80	Miles
3	Regional Board 3 - Central Coast Region	Dairy Creek	CAR3102201019990225114123	River & Stream	R	4a	18060006	31022010	5	Miles
3	Regional Board 3 - Central Coast Region	Dairy Creek	CAR3102201019990225114123	River & Stream	R	4a	18060006	31022010	5	Miles
3	Regional Board 3 - Central Coast Region	Devereux Creek	CAR3153102020080612164650	River & Stream	R	5	18060013	31531020	1	Miles
3	Regional Board 3 - Central Coast Region	Devereux Creek	CAR3153102020080612164650	River & Stream	R	5	18060013	31531020	1	Miles
3	Regional Board 3 - Central Coast Region	Devereux Creek	CAR3153102020080612164650	River & Stream	R	5	18060013	31531020	1	Miles
3	Regional Board 3 - Central Coast Region	Devereux Creek	CAR3153102020080612164650	River & Stream	R	5	18060013	31531020	1	Miles
3	Regional Board 3 - Central Coast Region	Devereux Creek	CAR3153102020080612164650	River & Stream	R	5	18060013	31531020	1	Miles
3	Regional Board 3 - Central Coast Region	Devereux Creek	CAR3153102020080612164650	River & Stream	R	5	18060013	31531020	1	Miles
3	Regional Board 3 - Central Coast Region	Dos Pueblos Canyon Creek	CAR3151001119990225122436	River & Stream	R	5	18060013	31510011	7	Miles
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Elkhorn Slough	CAE3060001419981209073137	Estuary	E	5	18060011	30600014	2034	Acres
3	Regional Board 3 - Central Coast Region	Esperanza Creek	CAR3091101020080604161515	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Lake	CAL3091900020020117151744	Lake & Reservoir	L	5	18060011	30919000	163	Acres
3	Regional Board 3 - Central Coast Region	Espinosa Lake	CAL3091900020020117151744	Lake & Reservoir	L	5	18060011	30919000	163	Acres
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Espinosa Slough	CAR3091101019981230135152	River & Stream	R	5	18060011	30911010	1	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Estrella River	CAR3170007119990225125807	River & Stream	R	5	18060004	31700071	28	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Estrella River	CAR317000711999022512580 7	River & Stream	R	5	18060004	31700071	28	Miles
3	Regional Board 3 - Central Coast Region	Fall Creek	CAR304120221999022513332 6	River & Stream	R	4a	18060001	30412022	5	Miles
3	Regional Board 3 - Central Coast Region	Fall Creek	CAR304120221999022513332 6	River & Stream	R	4a	18060001	30412022	5	Miles
3	Regional Board 3 - Central Coast Region	Fall Creek	CAR304120221999022513332 6	River & Stream	R	4a	18060001	30412022	5	Miles
3	Regional Board 3 - Central Coast Region	Fall Creek	CAR304120221999022513332 6	River & Stream	R	4a	18060001	30412022	5	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	River & Stream	R	5	18060013	31534020	3	Miles
3	Regional Board 3 - Central Coast Region	Furlong Creek	CAR305300201999022211193 2	River & Stream	R	5	18060002	30530020	9	Miles
3	Regional Board 3 - Central Coast Region	Furlong Creek	CAR305300201999022211193 2	River & Stream	R	5	18060002	30530020	9	Miles
3	Regional Board 3 - Central Coast Region	Furlong Creek	CAR305300201999022211193 2	River & Stream	R	5	18060002	30530020	9	Miles
3	Regional Board 3 - Central Coast Region	Furlong Creek	CAR305300201999022211193 2	River & Stream	R	5	18060002	30530020	9	Miles
3	Regional Board 3 - Central Coast Region	Furlong Creek	CAR305300201999022211193 2	River & Stream	R	5	18060002	30530020	9	Miles
3	Regional Board 3 - Central Coast Region	Furlong Creek	CAR305300201999022211193 2	River & Stream	R	5	18060002	30530020	9	Miles
3	Regional Board 3 - Central Coast Region	Furlong Creek	CAR305300201999022211193 2	River & Stream	R	5	18060002	30530020	9	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gabilan Creek	CAR309190001999030409234 5	River & Stream	R	5	18060005	30919000	6	Miles
3	Regional Board 3 - Central Coast Region	Gallighan Slough	CAR305100302008061614505 3	River & Stream	R	4a	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR315310201999030410273 5	River & Stream	R	5	18060013	31531020	6	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR3153102019990304102735	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR3153102019990304102735	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR3153102019990304102735	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR3153102019990304102735	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR3153102019990304102735	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR3153102019990304102735	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Glen Annie Canyon	CAR3153102019990304102735	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Goleta Slough/Estuary	CAE3153102019981209141309	Estuary	E	5	18060013	31531020	196	Acres
3	Regional Board 3 - Central Coast Region	Goleta Slough/Estuary	CAE3153102019981209141309	Estuary	E	5	18060013	31531020	196	Acres
3	Regional Board 3 - Central Coast Region	Goleta Slough/Estuary	CAE3153102019981209141309	Estuary	E	5	18060013	31531020	196	Acres
3	Regional Board 3 - Central Coast Region	Goleta Slough/Estuary	CAE3153102019981209141309	Estuary	E	5	18060013	31531020	196	Acres
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	River & Stream	R	5	18060008	31210030	4	Miles
3	Regional Board 3 - Central Coast Region	Hanson Slough	CAR3051003020080616145237	River & Stream	R	4a	18060002	30510030	1	Miles
3	Regional Board 3 - Central Coast Region	Harkins Slough	CAR3051001320080603122917	River & Stream	R	5	18060002	30510013	7	Miles
3	Regional Board 3 - Central Coast Region	Harkins Slough	CAR3051001320080603122917	River & Stream	R	5	18060002	30510013	7	Miles
3	Regional Board 3 - Central Coast Region	Harkins Slough	CAR3051001320080603122917	River & Stream	R	5	18060002	30510013	7	Miles
3	Regional Board 3 - Central Coast Region	Hernandez Reservoir	CAL3055001619980828154910	Lake & Reservoir	L	4a	18060002	30550016	626	Acres
3	Regional Board 3 - Central Coast Region	Jalama Creek	CAR3151005119990304115034	River & Stream	R	5	18060013	31510051	10	Miles
3	Regional Board 3 - Central Coast Region	Jalama Creek	CAR3151005119990304115034	River & Stream	R	5	18060013	31510051	10	Miles
3	Regional Board 3 - Central Coast Region	Jalama Creek	CAR3151005119990304115034	River & Stream	R	5	18060013	31510051	10	Miles
3	Regional Board 3 - Central Coast Region	Jalama Creek	CAR3151005119990304115034	River & Stream	R	5	18060013	31510051	10	Miles
3	Regional Board 3 - Central Coast Region	Kings Creek	CAR3041201119990304115830	River & Stream	R	4a	18060001	30412011	4	Miles
3	Regional Board 3 - Central Coast Region	Kings Creek	CAR3041201119990304115830	River & Stream	R	4a	18060001	30412011	4	Miles
3	Regional Board 3 - Central Coast Region	Kings Creek	CAR3041201119990304115830	River & Stream	R	4a	18060001	30412011	4	Miles
3	Regional Board 3 - Central Coast Region	Kings Creek	CAR3041201119990304115830	River & Stream	R	4a	18060001	30412011	4	Miles
3	Regional Board 3 - Central Coast Region	Kings Creek	CAR3041201119990304115830	River & Stream	R	4a	18060001	30412011	4	Miles
3	Regional Board 3 - Central Coast Region	Las Tablas Creek	CAR3098129319980825123721	River & Stream	R	5	18060005	30981293	6	Miles
3	Regional Board 3 - Central Coast Region	Las Tablas Creek, North Fork	CAR3098129019980828104645	River & Stream	R	5	18060005	30981290	6	Miles
3	Regional Board 3 - Central Coast Region	Las Tablas Creek, South Fork	CAR3098129019980828110227	River & Stream	R	5	18060006	30981290	5	Miles
3	Regional Board 3 - Central Coast Region	Little Oso Flaco Creek	CAR3121003020080611165546	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Little Oso Flaco Creek	CAR3121003020080611165546	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Little Oso Flaco Creek	CAR3121003020080611165546	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Little Oso Flaco Creek	CAR3121003020080611165546	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Little Oso Flaco Creek	CAR3121003020080611165546	River & Stream	R	5	18060008	31210030	2	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (above Chesbro Reservoir)	CAR3052001419980826100148	River & Stream	R	5	18060002	30520014	9	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (above Chesbro Reservoir)	CAR3052001419980826100148	River & Stream	R	5	18060002	30520014	9	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	River & Stream	R	5	18060002	30530020	16	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Los Berros Creek	CAR3103102319990304143314	River & Stream	R	5	18060008	31031023	13	Miles
3	Regional Board 3 - Central Coast Region	Los Berros Creek	CAR3103102319990304143314	River & Stream	R	5	18060008	31031023	13	Miles
3	Regional Board 3 - Central Coast Region	Los Berros Creek	CAR3103102319990304143314	River & Stream	R	5	18060008	31031023	13	Miles
3	Regional Board 3 - Central Coast Region	Los Berros Creek	CAR3103102319990304143314	River & Stream	R	5	18060008	31031023	13	Miles
3	Regional Board 3 - Central Coast Region	Los Berros Creek	CAR3103102319990304143314	River & Stream	R	5	18060008	31031023	13	Miles
3	Regional Board 3 - Central Coast Region	Los Carneros Creek	CAR3153102019990304143658	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Los Carneros Creek	CAR3153102019990304143658	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Los Carneros Creek	CAR3153102019990304143658	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Los Carneros Creek	CAR3153102019990304143658	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Los Carneros Creek	CAR3153102019990304143658	River & Stream	R	5	18060013	31531020	6	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Los Osos Creek	CAR3102301219980826102833	River & Stream	R	5	18060006	31023012	4	Miles
3	Regional Board 3 - Central Coast Region	Love Creek	CAR3041202119990304144104	River & Stream	R	5	18060001	30412021	4	Miles
3	Regional Board 3 - Central Coast Region	Love Creek	CAR3041202119990304144104	River & Stream	R	5	18060001	30412021	4	Miles
3	Regional Board 3 - Central Coast Region	Love Creek	CAR3041202119990304144104	River & Stream	R	5	18060001	30412021	4	Miles
3	Regional Board 3 - Central Coast Region	Love Creek	CAR3041202119990304144104	River & Stream	R	5	18060001	30412021	4	Miles
3	Regional Board 3 - Central Coast Region	Love Creek	CAR3041202119990304144104	River & Stream	R	5	18060001	30412021	4	Miles
3	Regional Board 3 - Central Coast Region	Love Creek	CAR3041202119990304144104	River & Stream	R	5	18060001	30412021	4	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Main Street Canal	CAR3121003020020819110803	River & Stream	R	5	18060008	31210030	5	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Majors Creek (Monterey County)	CAR3095004220090226140639	River & Stream	R	5	18060012	30950042	1	Miles
3	Regional Board 3 - Central Coast Region	Maria Ygnacio Creek	CAR3153102020080612165648	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	Maria Ygnacio Creek	CAR3153102020080612165648	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	Maria Ygnacio Creek	CAR3153102020080612165648	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	Maria Ygnacio Creek	CAR3153102020080612165648	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	Maria Ygnacio Creek	CAR3153102020080612165648	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	McEnery Spring	CAR3041204120100620215953	River & Stream	R	5	18060001	30412040	0	Miles
3	Regional Board 3 - Central Coast Region	McGowan Ditch	CAR3051003020100620223644	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Merrit Ditch	CAR3091101020080604152147	River & Stream	R	5	18060011	30911010	0	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Millers Canal	CAR3053002020080603171000	River & Stream	R	5	18060002	30530020	2	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Mission Creek (Santa Barbara County)	CAR3153201119980826110307	River & Stream	R	5	18060013	31532011	9	Miles
3	Regional Board 3 - Central Coast Region	Monterey Harbor	CAB3091201419980827160747	Bay & Harbor	B	5	18060012	30950042	76	Acres
3	Regional Board 3 - Central Coast Region	Monterey Harbor	CAB3091201419980827160747	Bay & Harbor	B	5	18060012	30950042	76	Acres
3	Regional Board 3 - Central Coast Region	Moore Creek	CAR3041103120080602125209	River & Stream	R	5	18060001	30411031	2	Miles
3	Regional Board 3 - Central Coast Region	Moore Creek	CAR3041103120080602125209	River & Stream	R	5	18060001	30411031	2	Miles
3	Regional Board 3 - Central Coast Region	Moore Creek	CAR3041103120080602125209	River & Stream	R	5	18060001	30411031	2	Miles
3	Regional Board 3 - Central Coast Region	Moore Creek	CAR3041103120080602125209	River & Stream	R	5	18060001	30411031	2	Miles
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Moro Cojo Slough	CAE3060001519981209132246	Estuary	E	5	18060011	30913011	62	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Morro Bay	CAB3102201219980827141506	Bay & Harbor	B	5	18060006	31022012	1922	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Moss Landing Harbor	CAB3060001419981214121135	Bay & Harbor	B	5	18060011	30600014	79	Acres
3	Regional Board 3 - Central Coast Region	Mountain Charlie Gulch	CAR3041204020020124160454	River & Stream	R	5	18060001	30412040	4	Miles
3	Regional Board 3 - Central Coast Region	Mountain Charlie Gulch	CAR3041204020020124160454	River & Stream	R	5	18060001	30412040	4	Miles
3	Regional Board 3 - Central Coast Region	Mountain Charlie Gulch	CAR3041204020020124160454	River & Stream	R	5	18060001	30412040	4	Miles
3	Regional Board 3 - Central Coast Region	Mountain Charlie Gulch	CAR3041204020020124160454	River & Stream	R	5	18060001	30412040	4	Miles
3	Regional Board 3 - Central Coast Region	Nacimiento Reservoir	CAL3098200019981214171711	Lake & Reservoir	L	5	18060005	30982000	5736	Acres
3	Regional Board 3 - Central Coast Region	Nacimiento Reservoir	CAL3098200019981214171711	Lake & Reservoir	L	5	18060005	30982000	5736	Acres
3	Regional Board 3 - Central Coast Region	Nacimiento Reservoir	CAL3098200019981214171711	Lake & Reservoir	L	5	18060005	30982000	5736	Acres
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR3091101020050531125140	River & Stream	R	5	18060011	30911010	7	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Natividad Creek	CAR309110102005053112514 0	River & Stream	R	5	18060011	30911010	7	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Lower)	CAR304120312002021917075 2	River & Stream	R	5	18060001	30412031	2	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Upper)	CAR304120312002012411580 8	River & Stream	R	5	18060001	30412031	4	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Upper)	CAR304120312002012411580 8	River & Stream	R	5	18060001	30412031	4	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Upper)	CAR304120312002012411580 8	River & Stream	R	5	18060001	30412031	4	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Upper)	CAR304120312002012411580 8	River & Stream	R	5	18060001	30412031	4	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Upper)	CAR304120312002012411580 8	River & Stream	R	5	18060001	30412031	4	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Upper)	CAR304120312002012411580 8	River & Stream	R	5	18060001	30412031	4	Miles
3	Regional Board 3 - Central Coast Region	Newell Creek (Upper)	CAR304120312002012411580 8	River & Stream	R	5	18060001	30412031	4	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nipomo Creek	CAR312100112001112912491 1	River & Stream	R	5	18060008	31210011	9	Miles
3	Regional Board 3 - Central Coast Region	Nobel Gulch Creek	CAR304130142008060312212 7	River & Stream	R	5	18060001	30413014	2	Miles
3	Regional Board 3 - Central Coast Region	North Main Street Channel	CAR312100302008062011104 5	River & Stream	R	5	18060008	31210030	1	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River	CAR309110102008061114551 8	River & Stream	R	5	18060011	30911010	4	Miles
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Old Salinas River Estuary	CAE306000141998121414380 7	Estuary	E	5	18060011	30911010	16	Acres
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Orcutt Creek	CAR312100302001112915470 8	River & Stream	R	5	18060008	31210030	10	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR312100302002012412214 4	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR312100302002012412214 4	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR312100302002012412214 4	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR312100302002012412214 4	River & Stream	R	5	18060008	31210030	6	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Creek	CAR3121003020020124122144	River & Stream	R	5	18060008	31210030	6	Miles
3	Regional Board 3 - Central Coast Region	Oso Flaco Lake	CAL3121003020011121102545	Lake & Reservoir	L	5	18060008	31210030	56	Acres
3	Regional Board 3 - Central Coast Region	Oso Flaco Lake	CAL3121003020011121102545	Lake & Reservoir	L	5	18060008	31210030	56	Acres
3	Regional Board 3 - Central Coast Region	Oso Flaco Lake	CAL3121003020011121102545	Lake & Reservoir	L	5	18060008	31210030	56	Acres
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacheco Creek	CAR3053002020020103133745	River & Stream	R	5	18060002	30540021	25	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean (Point Ano Nuevo to Soquel Point)	CAO3041102220090612082544	Ocean	O	5	18060001	30411022	26832	Acres
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Arroyo Burro Beach (Santa Barbara County)	CAX3153201020020107155347	Coastal & Bay Shoreline	C	5	18060013	31532010	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Arroyo Burro Beach (Santa Barbara County)	CAX3153201020020107155347	Coastal & Bay Shoreline	C	5	18060013	31532010	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Avila Beach (Avila Pier)	CAC3102402120100404115848	Coastal & Bay Shoreline	C	5	18060006	31024021	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Avila Beach (Avila Pier)	CAC3102402120100404115848	Coastal & Bay Shoreline	C	5	18060006	31024021	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Avila Beach (SLO creek mouth)	CAC3102402120100404162226	Coastal & Bay Shoreline	C	5	18060006	31024021	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Coastal & Bay Shoreline	C	5	18060001	304130104	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Coastal & Bay Shoreline	C	5	18060001	304130104	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Coastal & Bay Shoreline	C	5	18060001	304130104	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Coastal & Bay Shoreline	C	5	18060001	304130104	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Coastal & Bay Shoreline	C	5	18060001	304130104	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Coastal & Bay Shoreline	C	5	18060001	304130104	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Coastal & Bay Shoreline	C	5	18060001	304130104	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Carpinteria State Beach (Carpinteria Creek mouth, Santa Barbara County	CAX3153402020021001211616	Coastal & Bay Shoreline	C	5	18060013	31534020	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Cayucos (Cayucos Creek Mouth)	CAC3101601020100414170217	Coastal & Bay Shoreline	C	5	18060006	31016010	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Coastal & Bay Shoreline	C	5	18060013	31532011	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Coastal & Bay Shoreline	C	5	18060013	31532011	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Coastal & Bay Shoreline	C	5	18060013	31532011	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Coastal & Bay Shoreline	C	5	18060013	31532011	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Coastal & Bay Shoreline	C	5	18060013	31532011	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Coastal & Bay Shoreline	C	5	18060013	31532011	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at East Beach (mouth of Sycamore Creek, Santa Barbara County)	CAX3153201220021002193849	Coastal & Bay Shoreline	C	5	18060013	31532012	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Goleta Beach (Santa Barbara County)	CAX3153102020021002211230	Coastal & Bay Shoreline	C	5	18060013	31531020	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Hammonds Beach (Santa Barbara County)	CAX3153301020021002211858	Coastal & Bay Shoreline	C	5	18060013	31533010	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Hammonds Beach (Santa Barbara County)	CAX3153301020021002211858	Coastal & Bay Shoreline	C	5	18060013	31533010	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Haskells Beach (Santa Barbara County)	CAC3151001220070328183439	Coastal & Bay Shoreline	C	5	18060013	31510012	0	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Hope Ranch Beach (Santa Barbara County)	CAX31532010200210022213053	Coastal & Bay Shoreline	C	5	18060013	31532010	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Hope Ranch Beach (Santa Barbara County)	CAX31532010200210022213053	Coastal & Bay Shoreline	C	5	18060013	31532010	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX31510051200201071556 08	Coastal & Bay Shoreline	C	5	18060013	31510051	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX31510051200201071556 08	Coastal & Bay Shoreline	C	5	18060013	31510051	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX31510051200201071556 08	Coastal & Bay Shoreline	C	5	18060013	31510051	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX31510051200201071556 08	Coastal & Bay Shoreline	C	5	18060013	31510051	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX31510051200201071556 08	Coastal & Bay Shoreline	C	5	18060013	31510051	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX31510051200201071556 08	Coastal & Bay Shoreline	C	5	18060013	31510051	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Leadbetter Beach (Santa Barbara County)	CAX31532011200210022214553	Coastal & Bay Shoreline	C	5	18060013	31532011	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Ocean Beach (Santa Barbara County)	CAX31410050200210022220006	Coastal & Bay Shoreline	C	5	18060010	31410050	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Ocean Beach (Santa Barbara County)	CAX31410050200210022220006	Coastal & Bay Shoreline	C	5	18060010	31410050	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Olde Port Beach (at restrooms)	CAC31025012201004041642 19	Coastal & Bay Shoreline	C	5	18060006	31025012	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Pismo State Beach (San Luis Obispo County), south of Pismo Pier	CAC31026014201006221647 04	Coastal & Bay Shoreline	C	5	18060006	31026014	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Point Rincon (mouth of Rincon Cr, Santa Barbara County)	CAX31534012200003261349 41	Coastal & Bay Shoreline	C	5	18060013	31534012	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Point Rincon (mouth of Rincon Cr, Santa Barbara County)	CAX31534012200003261349 41	Coastal & Bay Shoreline	C	5	18060013	31534012	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Refugio Beach (Santa Barbara County)	CAX31510022200210022214 32	Coastal & Bay Shoreline	C	5	18060013	31510022	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Refugio Beach (Santa Barbara County)	CAX31510022200210022214 32	Coastal & Bay Shoreline	C	5	18060013	31510022	0	Miles
3	Regional Board 3 - Central Coast Region	Pacific Ocean at Stillwater Cove Beach	CAC30950042200412141747 39	Coastal & Bay Shoreline	C	5	18060012	30950042	0	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR30510030199808261151 52	River & Stream	R	5	18060002	30510030	32	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pajaro River	CAR305100301998082611515 2	River & Stream	R	5	18060002	30510030	32	Miles
3	Regional Board 3 - Central Coast Region	Pennington Creek	CAR310220112002012412380 9	River & Stream	R	5	18060006	31022011	5	Miles
3	Regional Board 3 - Central Coast Region	Pico Creek	CAR310130202002012412500 5	River & Stream	R	5	18060006	31013020	1	Miles
3	Regional Board 3 - Central Coast Region	Pico Creek	CAR310130202002012412500 5	River & Stream	R	5	18060006	31013020	1	Miles
3	Regional Board 3 - Central Coast Region	Pico Creek	CAR310130202002012412500 5	River & Stream	R	5	18060006	31013020	1	Miles
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pinto Lake	CAL305100302002012412280 7	Lake & Reservoir	L	5	18060002	30510030	115	Acres
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Pismo Creek	CAR310260142002012412514 4	River & Stream	R	5	18060006	31026014	5	Miles
3	Regional Board 3 - Central Coast Region	Porter Gulch Creek	CAR304130132008060312251 6	River & Stream	R	5	18060001	30413013	2	Miles
3	Regional Board 3 - Central Coast Region	Porter Gulch Creek	CAR304130132008060312251 6	River & Stream	R	5	18060001	30413013	2	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Prefumo Creek	CAR310240122002012412542 2	River & Stream	R	5	18060006	31024012	8	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles
3	Regional Board 3 - Central Coast Region	Quail Creek	CAR309190002001122714064 7	River & Stream	R	5	18060011	30919000	4	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Rider Creek	CAR3051001019981207100234	River & Stream	R	4a	18060002	30510010	2	Miles
3	Regional Board 3 - Central Coast Region	Rider Creek	CAR3051001019981207100234	River & Stream	R	4a	18060002	30510010	2	Miles
3	Regional Board 3 - Central Coast Region	Rider Creek	CAR3051001019981207100234	River & Stream	R	4a	18060002	30510010	2	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rincon Creek	CAR3153401220020124130528	River & Stream	R	5	18060013	31534012	10	Miles
3	Regional Board 3 - Central Coast Region	Rodeo Creek Gulch	CAR3041301420020124131242	River & Stream	R	5	18060001	30413014	6	Miles
3	Regional Board 3 - Central Coast Region	Rodeo Creek Gulch	CAR3041301420020124131242	River & Stream	R	5	18060001	30413014	6	Miles
3	Regional Board 3 - Central Coast Region	Romero Creek	CAR3153301120080612170700	River & Stream	R	5	18060013	31533011	5	Miles
3	Regional Board 3 - Central Coast Region	Romero Creek	CAR3153301120080612170700	River & Stream	R	5	18060013	31533011	5	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR3091101019980828112229	River & Stream	R	5	18060011	30911010	8	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas Reclamation Canal	CAR309110101998082811222 9	River & Stream	R	5	18060011	30911010	8	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
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3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
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3	Regional Board 3 - Central Coast Region	Salinas River (lower, estuary to near Gonzales Rd crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	River & Stream	R	5	18060011	30917000	31	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
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3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
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3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
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3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
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3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
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3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	River & Stream	R	5	18060005	30917000	72	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles

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3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	River & Stream	R	5	18060005	30981112	49	Miles
3	Regional Board 3 - Central Coast Region	Salinas River Lagoon (North)	CAE309110101998082814323 2	Estuary	E	5	18060011	30911010	197	Acres
3	Regional Board 3 - Central Coast Region	Salinas River Lagoon (North)	CAE309110101998082814323 2	Estuary	E	5	18060011	30911010	197	Acres
3	Regional Board 3 - Central Coast Region	Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Estuary	E	5	18060011	30911010	30	Acres
3	Regional Board 3 - Central Coast Region	Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Estuary	E	5	18060011	30911010	30	Acres
3	Regional Board 3 - Central Coast Region	Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Estuary	E	5	18060011	30911010	30	Acres
3	Regional Board 3 - Central Coast Region	Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Estuary	E	5	18060011	30911010	30	Acres
3	Regional Board 3 - Central Coast Region	Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Estuary	E	5	18060011	30911010	30	Acres
3	Regional Board 3 - Central Coast Region	Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Estuary	E	5	18060011	30911010	30	Acres
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	River & Stream	R	5	18060013	31420023	9	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	River & Stream	R	5	18060013	31420023	9	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	River & Stream	R	5	18060013	31420023	9	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	River & Stream	R	5	18060013	31420023	9	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	River & Stream	R	5	18060013	31420023	9	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	River & Stream	R	5	18060013	31420023	9	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	River & Stream	R	5	18060002	30510030	3	Miles
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3	Regional Board 3 - Central Coast Region	Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
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3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
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3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
3	Regional Board 3 - Central Coast Region	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	River & Stream	R	5	18060009	31300050	14	Miles
3	Regional Board 3 - Central Coast Region	San Antonio Reservoir	CAL309830002008011417 3957	Lake & Reservoir	L	5	18060005	30983000	5417	Acres
3	Regional Board 3 - Central Coast Region	San Antonio River (below San Antonio Reservoir)	CAR309810052008011417 4629	River & Stream	R	5	18060005	30981005	11	Miles
3	Regional Board 3 - Central Coast Region	San Antonio River (below San Antonio Reservoir)	CAR309810052008011417 4629	River & Stream	R	5	18060005	30981005	11	Miles
3	Regional Board 3 - Central Coast Region	San Antonio River (below San Antonio Reservoir)	CAR309810052008011417 4629	River & Stream	R	5	18060005	30981005	11	Miles
3	Regional Board 3 - Central Coast Region	San Antonio River (below San Antonio Reservoir)	CAR309810052008011417 4629	River & Stream	R	5	18060005	30981005	11	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Benito River	CAR305300201998120709 1641	River & Stream	R	5	18060002	30530020	86	Miles
3	Regional Board 3 - Central Coast Region	San Bernardo Creek	CAR310220122002012413431 4	River & Stream	R	5	18060006	31022012	7	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8	River & Stream	R	5	18060013	31531010	10	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	River & Stream	R	5	18060013	31531010	10	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Juan Creek (San Benito County)	CAR3052005020090204001958	River & Stream	R	5	18060002	30520050	7	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	River & Stream	R	5	18060005	30970023	49	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River	CAR3041202219980827084709	River & Stream	R	5	18060001	30412022	27	Miles
3	Regional Board 3 - Central Coast Region	San Lorenzo River Lagoon	CAE3041205319980828094349	Estuary	E	5	18060001	30412053	66	Acres
3	Regional Board 3 - Central Coast Region	San Lorenzo River Lagoon	CAE3041205319980828094349	Estuary	E	5	18060001	30412053	66	Acres

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (above Osos Street)	CAR3102401119980824143123	River & Stream	R	5	18060006	31024011	2	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	River & Stream	R	5	18060006	31024012	10	Miles
3	Regional Board 3 - Central Coast Region	San Luisito Creek	CAR3102201120020124141107	River & Stream	R	5	18060006	31022011	7	Miles
3	Regional Board 3 - Central Coast Region	San Miguelito Creek	CAR3141004020020124141622	River & Stream	R	5	18060013	31410040	10	Miles
3	Regional Board 3 - Central Coast Region	San Miguelito Creek	CAR3141004020020124141622	River & Stream	R	5	18060013	31410040	10	Miles
3	Regional Board 3 - Central Coast Region	San Miguelito Creek	CAR3141004020020124141622	River & Stream	R	5	18060013	31410040	10	Miles
3	Regional Board 3 - Central Coast Region	San Miguelito Creek	CAR3141004020020124141622	River & Stream	R	5	18060013	31410040	10	Miles
3	Regional Board 3 - Central Coast Region	San Miguelito Creek	CAR3141004020020124141622	River & Stream	R	5	18060013	31410040	10	Miles
3	Regional Board 3 - Central Coast Region	San Miguelito Creek	CAR3141004020020124141622	River & Stream	R	5	18060013	31410040	10	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	River & Stream	R	5	18060013	31531020	7	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR3101301220020124141805	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR3101301220020124141805	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR3101301220020124141805	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR3101301220020124141805	River & Stream	R	5	18060006	31013012	6	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Simeon Creek	CAR310130122002012414180 5	River & Stream	R	5	18060006	31013012	6	Miles
3	Regional Board 3 - Central Coast Region	San Vicente Creek (Santa Cruz County)	CAR304110232002012414193 2	River & Stream	R	5	18060001	30411023	9	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River	CAR312100302001122810352 8	River & Stream	R	5	18060008	31210030	51	Miles
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Maria River Estuary	CAE312100302002031112593 8	Estuary	E	5	18060008	31210030	6	Acres
3	Regional Board 3 - Central Coast Region	Santa Monica Creek	CAR315340202002012414285 0	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Santa Monica Creek	CAR315340202002012414285 0	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Santa Monica Creek	CAR315340202002012414285 0	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Santa Monica Creek	CAR315340202002012414285 0	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Santa Monica Creek	CAR315340202002012414285 0	River & Stream	R	5	18060013	31534020	6	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	River & Stream	R	5	18060011	30919000	11	Miles
3	Regional Board 3 - Central Coast Region	Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	River & Stream	R	5	18060010	31420011	23	Miles
3	Regional Board 3 - Central Coast Region	Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	River & Stream	R	5	18060010	31420011	23	Miles
3	Regional Board 3 - Central Coast Region	Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	River & Stream	R	5	18060010	31420011	23	Miles
3	Regional Board 3 - Central Coast Region	Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	River & Stream	R	5	18060010	31420011	23	Miles
3	Regional Board 3 - Central Coast Region	Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	River & Stream	R	5	18060010	31420011	23	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	River & Stream	R	5	18060010	31440050	43	Miles

2010 California 303(d) List of Water Quality Limited Segments*

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR3141005019980827094226	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR3141005019980827094226	River & Stream	R	5	18060010	31440050	43	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles

2010 California 303(d) List of Water Quality Limited Segments*

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REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	River & Stream	R	5	18060010	31410040	4	Miles
3	Regional Board 3 - Central Coast Region	Schwan Lake	CAL3041205319981209102156	Lake & Reservoir	L	5	18060001	30412053	23	Acres
3	Regional Board 3 - Central Coast Region	Schwan Lake	CAL3041205319981209102156	Lake & Reservoir	L	5	18060001	30412053	23	Acres
3	Regional Board 3 - Central Coast Region	Schwan Lake	CAL3041205319981209102156	Lake & Reservoir	L	5	18060001	30412053	23	Acres
3	Regional Board 3 - Central Coast Region	Schwan Lake	CAL3041205319981209102156	Lake & Reservoir	L	5	18060001	30412053	23	Acres
3	Regional Board 3 - Central Coast Region	Schwan Lake	CAL3041205319981209102156	Lake & Reservoir	L	5	18060001	30412053	23	Acres
3	Regional Board 3 - Central Coast Region	Schwan Lake	CAL3041205319981209102156	Lake & Reservoir	L	5	18060001	30412053	23	Acres
3	Regional Board 3 - Central Coast Region	Schwan Lake	CAL3041205319981209102156	Lake & Reservoir	L	5	18060001	30412053	23	Acres
3	Regional Board 3 - Central Coast Region	Shingle Mill Creek	CAR3041202219980827102347	River & Stream	R	4a	18060001	30412022	2	Miles
3	Regional Board 3 - Central Coast Region	Shingle Mill Creek	CAR3041202219980827102347	River & Stream	R	4a	18060001	30412022	2	Miles
3	Regional Board 3 - Central Coast Region	Shingle Mill Creek	CAR3041202219980827102347	River & Stream	R	4a	18060001	30412022	2	Miles
3	Regional Board 3 - Central Coast Region	Shingle Mill Creek	CAR3041202219980827102347	River & Stream	R	4a	18060001	30412022	2	Miles
3	Regional Board 3 - Central Coast Region	Shingle Mill Creek	CAR3041202219980827102347	River & Stream	R	4a	18060001	30412022	2	Miles
3	Regional Board 3 - Central Coast Region	Shingle Mill Creek	CAR3041202219980827102347	River & Stream	R	4a	18060001	30412022	2	Miles
3	Regional Board 3 - Central Coast Region	Shuman Canyon Creek	CAR3130004120020124144205	River & Stream	R	5	18060009	31300041	9	Miles
3	Regional Board 3 - Central Coast Region	Soda Lake	CAL3110005019980805102204	Saline Lake	S	5	18060003	31100050	2627	Acres
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Creek	CAR3041301420020124145258	River & Stream	R	5	18060001	30413011	18	Miles
3	Regional Board 3 - Central Coast Region	Soquel Lagoon	CAE3041301419981209132827	Estuary	E	5	18060001	30413014	1	Acres
3	Regional Board 3 - Central Coast Region	Soquel Lagoon	CAE3041301419981209132827	Estuary	E	5	18060001	30413014	1	Acres
3	Regional Board 3 - Central Coast Region	Soquel Lagoon	CAE3041301419981209132827	Estuary	E	5	18060001	30413014	1	Acres
3	Regional Board 3 - Central Coast Region	Soquel Lagoon	CAE3041301419981209132827	Estuary	E	5	18060001	30413014	1	Acres
3	Regional Board 3 - Central Coast Region	Soquel Lagoon	CAE3041301419981209132827	Estuary	E	5	18060001	30413014	1	Acres
3	Regional Board 3 - Central Coast Region	Soquel Lagoon	CAE3041301419981209132827	Estuary	E	5	18060001	30413014	1	Acres
3	Regional Board 3 - Central Coast Region	Spring Lakes Creek	CAR3041204120080603112335	River & Stream	R	5	18060001	30412050	0	Miles
3	Regional Board 3 - Central Coast Region	Stenner Creek	CAR3102401020020124145945	River & Stream	R	5	18060006	31024010	7	Miles
3	Regional Board 3 - Central Coast Region	Stenner Creek	CAR3102401020020124145945	River & Stream	R	5	18060006	31024010	7	Miles
3	Regional Board 3 - Central Coast Region	Stenner Creek	CAR3102401020020124145945	River & Stream	R	5	18060006	31024010	7	Miles
3	Regional Board 3 - Central Coast Region	Stenner Creek	CAR3102401020020124145945	River & Stream	R	5	18060006	31024010	7	Miles
3	Regional Board 3 - Central Coast Region	Struve Slough	CAR3051003020080603125227	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Struve Slough	CAR3051003020080603125227	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Struve Slough	CAR3051003020080603125227	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Struve Slough	CAR3051003020080603125227	River & Stream	R	5	18060002	30510030	3	Miles
3	Regional Board 3 - Central Coast Region	Sycamore Creek	CAR3153201220080612170100	River & Stream	R	5	18060013	31532012	4	Miles
3	Regional Board 3 - Central Coast Region	Sycamore Creek	CAR3153201220080612170100	River & Stream	R	5	18060013	31532012	4	Miles
3	Regional Board 3 - Central Coast Region	Sycamore Creek	CAR3153201220080612170100	River & Stream	R	5	18060013	31532012	4	Miles
3	Regional Board 3 - Central Coast Region	Sycamore Creek	CAR3153201220080612170100	River & Stream	R	5	18060013	31532012	4	Miles
3	Regional Board 3 - Central Coast Region	Sycamore Creek	CAR3153201220080612170100	River & Stream	R	5	18060013	31532012	4	Miles
3	Regional Board 3 - Central Coast Region	Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911	River & Stream	R	5	18060013	31510013	7	Miles
3	Regional Board 3 - Central Coast Region	Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911	River & Stream	R	5	18060013	31510013	7	Miles
3	Regional Board 3 - Central Coast Region	Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911	River & Stream	R	5	18060013	31510013	7	Miles
3	Regional Board 3 - Central Coast Region	Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911	River & Stream	R	5	18060013	31510013	7	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR3091101019981209131830	River & Stream	R	5	18060011	30911010	6	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tembladero Slough	CAR309110101998120913183 0	River & Stream	R	5	18060011	30911010	6	Miles
3	Regional Board 3 - Central Coast Region	Tequisquita Slough	CAR305300202001112109133 2	River & Stream	R	5	18060002	30530020	7	Miles
3	Regional Board 3 - Central Coast Region	Tequisquita Slough	CAR305300202001112109133 2	River & Stream	R	5	18060002	30530020	7	Miles
3	Regional Board 3 - Central Coast Region	Tequisquita Slough	CAR305300202001112109133 2	River & Stream	R	5	18060002	30530020	7	Miles
3	Regional Board 3 - Central Coast Region	Tequisquita Slough	CAR305300202001112109133 2	River & Stream	R	5	18060002	30530020	7	Miles
3	Regional Board 3 - Central Coast Region	Tequisquita Slough	CAR305300202001112109133 2	River & Stream	R	5	18060002	30530020	7	Miles
3	Regional Board 3 - Central Coast Region	Toro Canyon Creek	CAR315340102008061217092 5	River & Stream	R	5	18060013	31534010	4	Miles
3	Regional Board 3 - Central Coast Region	Toro Canyon Creek	CAR315340102008061217092 5	River & Stream	R	5	18060013	31534010	4	Miles
3	Regional Board 3 - Central Coast Region	Toro Canyon Creek	CAR315340102008061217092 5	River & Stream	R	5	18060013	31534010	4	Miles
3	Regional Board 3 - Central Coast Region	Toro Creek	CAR310180102002012415124 9	River & Stream	R	5	18060006	31018010	16	Miles
3	Regional Board 3 - Central Coast Region	Toro Creek	CAR310180102002012415124 9	River & Stream	R	5	18060006	31018010	16	Miles
3	Regional Board 3 - Central Coast Region	Toro Creek	CAR310180102002012415124 9	River & Stream	R	5	18060006	31018010	16	Miles
3	Regional Board 3 - Central Coast Region	Toro Creek	CAR310180102002012415124 9	River & Stream	R	5	18060006	31018010	16	Miles
3	Regional Board 3 - Central Coast Region	Toro Creek	CAR310180102002012415124 9	River & Stream	R	5	18060006	31018010	16	Miles
3	Regional Board 3 - Central Coast Region	Toro Creek	CAR310180102002012415124 9	River & Stream	R	5	18060006	31018010	16	Miles
3	Regional Board 3 - Central Coast Region	Tres Pinos Creek	CAR305300202002012415151 9	River & Stream	R	5	18060002	30530020	31	Miles
3	Regional Board 3 - Central Coast Region	Tres Pinos Creek	CAR305300202002012415151 9	River & Stream	R	5	18060002	30530020	31	Miles
3	Regional Board 3 - Central Coast Region	Tres Pinos Creek	CAR305300202002012415151 9	River & Stream	R	5	18060002	30530020	31	Miles
3	Regional Board 3 - Central Coast Region	Tres Pinos Creek	CAR305300202002012415151 9	River & Stream	R	5	18060002	30530020	31	Miles
3	Regional Board 3 - Central Coast Region	Tularcitos Creek	CAR307000322002012415185 4	River & Stream	R	5	18060012	30700032	14	Miles
3	Regional Board 3 - Central Coast Region	Tularcitos Creek	CAR307000322002012415185 4	River & Stream	R	5	18060012	30700032	14	Miles
3	Regional Board 3 - Central Coast Region	Tularcitos Creek	CAR307000322002012415185 4	River & Stream	R	5	18060012	30700032	14	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

REGION	REGION NAME	WATER BODY NAME	WBID	WATER BODY TYPE	WATER BODY TYPE CODE	INTEGRATED REPORT CATEGORY	USGS CATALOGING UNIT	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	UNIT
3	Regional Board 3 - Central Coast Region	Uvas Creek (above Uvas Reservoir)	CAR3052001020080603162913	River & Stream	R	5	18060002	30520010	8	Miles
3	Regional Board 3 - Central Coast Region	Uvas Creek (above Uvas Reservoir)	CAR3052001020080603162913	River & Stream	R	5	18060002	30520010	8	Miles
3	Regional Board 3 - Central Coast Region	Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	River & Stream	R	5	18060002	30520021	8	Miles
3	Regional Board 3 - Central Coast Region	Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	River & Stream	R	5	18060002	30520021	8	Miles
3	Regional Board 3 - Central Coast Region	Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	River & Stream	R	5	18060002	30520021	8	Miles
3	Regional Board 3 - Central Coast Region	Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	River & Stream	R	5	18060002	30520021	8	Miles
3	Regional Board 3 - Central Coast Region	Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	River & Stream	R	5	18060002	30520021	8	Miles
3	Regional Board 3 - Central Coast Region	Uvas Reservoir	CAL3052001220020124163614	Lake & Reservoir	L	5	18060002	30520012	212	Acres
3	Regional Board 3 - Central Coast Region	Valencia Creek	CAR3041302319980827104158	River & Stream	R	5	18060001	30413023	6	Miles
3	Regional Board 3 - Central Coast Region	Valencia Creek	CAR3041302319980827104158	River & Stream	R	5	18060001	30413023	6	Miles
3	Regional Board 3 - Central Coast Region	Valencia Creek	CAR3041302319980827104158	River & Stream	R	5	18060001	30413023	6	Miles
3	Regional Board 3 - Central Coast Region	Walters Creek	CAR3102201120021002231800	River & Stream	R	5	18060006	31022011	3	Miles
3	Regional Board 3 - Central Coast Region	Warden Creek	CAR3102301020021002232250	River & Stream	R	5	18060006	31023010	6	Miles
3	Regional Board 3 - Central Coast Region	Warden Creek	CAR3102301020021002232250	River & Stream	R	5	18060006	31023010	6	Miles
3	Regional Board 3 - Central Coast Region	Warden Creek	CAR3102301020021002232250	River & Stream	R	5	18060006	31023010	6	Miles
3	Regional Board 3 - Central Coast Region	Warden Creek	CAR3102301020021002232250	River & Stream	R	5	18060006	31023010	6	Miles
3	Regional Board 3 - Central Coast Region	Warden Creek	CAR3102301020021002232250	River & Stream	R	5	18060006	31023010	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Creek	CAR3051003020080603171443	River & Stream	R	5	18060011	30510030	5	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Watsonville Slough	CAR3051003019981209150043	River & Stream	R	5	18060002	30510030	6	Miles
3	Regional Board 3 - Central Coast Region	Zayante Creek	CAR3041202220020124155410	River & Stream	R	5	18060001	30412040	9	Miles
3	Regional Board 3 - Central Coast Region	Zayante Creek	CAR3041202220020124155410	River & Stream	R	5	18060001	30412040	9	Miles
3	Regional Board 3 - Central Coast Region	Zayante Creek	CAR3041202220020124155410	River & Stream	R	5	18060001	30412040	9	Miles
3	Regional Board 3 - Central Coast Region	Zayante Creek	CAR3041202220020124155410	River & Stream	R	5	18060001	30412040	9	Miles
3	Regional Board 3 - Central Coast Region	Zayante Creek	CAR3041202220020124155410	River & Stream	R	5	18060001	30412040	9	Miles
3	Regional Board 3 - Central Coast Region	Zayante Creek	CAR3041202220020124155410	River & Stream	R	5	18060001	30412040	9	Miles
3	Regional Board 3 - Central Coast Region	Zayante Creek	CAR3041202220020124155410	River & Stream	R	5	18060001	30412040	9	Miles

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Alamo Creek	CAR312300831998082515313 6	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Alamo Creek	CAR312300831998082515313 6	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Alamo Creek	CAR312300831998082515313 6	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Alisal Creek (Monterey County)	CAR309700951999022213 0537	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Alisal Slough (Monterey County)	CAR309110102009031120 4028	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Alisal Slough (Monterey County)	CAR309110102009031120 4028	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Alisal Slough (Monterey County)	CAR309110102009031120 4028	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Alisal Slough (Monterey County)	CAR309110102009031120 4028	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Aptos Creek	CAR304130232002031906 5717	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Aptos Creek	CAR304130232002031906 5717	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Aptos Creek	CAR304130232002031906 5717	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Aptos Creek	CAR304130232002031906 5717	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Aptos Creek	CAR304130232002031906 5717	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Aptos Creek	CAR304130232002031906 5717	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Aptos Creek	CAR304130232002031906 5717	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Arana Gulch	CAR304120511999022213 3711	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Arana Gulch	CAR304120511999022213 3711	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Arana Gulch	CAR304120511999022213 3711	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arana Gulch	CAR304120511999022213 3711	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Burro Creek	CAR315320101999022213 4526	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Arroyo Burro Creek	CAR315320101999022213 4526	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Arroyo Burro Creek	CAR315320101999022213 4526	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Arroyo Burro Creek	CAR315320101999022213 4526	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Arroyo Burro Creek	CAR315320101999022213 4526	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Arroyo Burro Creek	CAR315320101999022213 4526	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Arroyo De La Cruz	CAR310120132002011714 1339	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo De La Cruz	CAR310120132002011714 1339	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo De La Cruz	CAR310120132002011714 1339	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo De La Cruz	CAR310120132002011714 1339	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Grande Creek (below Lopez Lake)	CAR310310141998080411 3947	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Grande Creek (below Lopez Lake)	CAR310310141998080411 3947	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Grande Creek (below Lopez Lake)	CAR310310141998080411 3947	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Grande Creek (below Lopez Lake)	CAR310310141998080411 3947	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Grande Creek (below Lopez Lake)	CAR310310141998080411 3947	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Grande Creek (below Lopez Lake)	CAR310310141998080411 3947	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Arroyo Paredon	CAR315340101999022214 3223	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Arroyo Seco River	CAR309600321999022214 4047	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Arroyo Seco River	CAR309600321999022214 4047	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (San Luis Obispo County)	CAR309811241999022214 5136	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (San Luis Obispo County)	CAR309811241999022214 5136	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Atascadero Creek (San Luis Obispo County)	CAR309811241999022214513 6	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Beach Road Ditch	CAR305100302008060312383 9	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Beach Road Ditch	CAR305100302008060312383 9	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Beach Road Ditch	CAR305100302008060312383 9	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Beach Road Ditch	CAR305100302008060312383 9	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Beach Road Ditch	CAR305100302008060312383 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Beach Road Ditch	CAR305100302008060312383 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Beach Road Ditch	CAR305100302008060312383 9	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Bean Creek	CAR304120411999022215225 1	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bean Creek	CAR304120411999022215225 1	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bean Creek	CAR304120411999022215225 1	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bean Creek	CAR304120411999022215225 1	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bean Creek	CAR304120411999022215225 1	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Bell Creek (Santa Barbara Co)	CAR3151001320050531122629	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Bennett Slough	CAR3060001420080611160605	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Bennett Slough	CAR3060001420080611160605	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Bennett Slough	CAR3060001420080611160605	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Blanco Drain	CAR3091101019981209161509	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Blanco Drain	CAR3091101019981209161509	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Blosser Channel	CAR3121003020011121135941	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Boulder Creek	CAR3041202019990223102514	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Boulder Creek	CAR3041202019990223102514	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Boulder Creek	CAR3041202019990223102514	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Boulder Creek	CAR3041202019990223102514	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Boulder Creek	CAR3041202019990223102514	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Boulder Creek	CAR3041202019990223102514	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Bradley Canyon Creek	CAR3121003020011121144840	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Canyon Creek	CAR3121003020011121144840	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Bradley Channel	CAR3121003020021002233532	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Bradley Channel	CAR3121003020021002233532	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Branciforte Creek	CAR3041205119990223104548	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Branciforte Creek	CAR3041205119990223104548	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Branciforte Creek	CAR3041205119990223104548	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Branciforte Creek	CAR3041205119990223104548	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Branciforte Creek	CAR3041205119990223104548	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Branciforte Creek	CAR3041205119990223104548	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Branciforte Creek	CAR3041205119990223104548	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Canada De La Gaviota	CAR3151003119990223115746	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada De La Gaviota	CAR3151003119990223115746	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada Del Refugio	CAR3151002219990223132423	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada Del Refugio	CAR3151002219990223132423	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada Del Refugio	CAR3151002219990223132423	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada Del Refugio	CAR3151002219990223132423	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Canada Del Refugio	CAR3151002219990223132423	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Canada Del Refugio	CAR3151002219990223132423	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Canada Del Refugio	CAR3151002219990223132423	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada Del Refugio	CAR3151002219990223132423	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Canada Del Refugio	CAR3151002219990223132423	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Carbonera Creek	CAR3041205319980825105618	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Carbonera Creek	CAR3041205319980825105618	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Carbonera Creek	CAR3041205319980825105618	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Carbonera Creek	CAR3041205319980825105618	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Carbonera Creek	CAR3041205319980825105618	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Carbonera Creek	CAR3041205319980825105618	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Carbonera Creek	CAR3041205319980825105618	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Carbonera Creek	CAR3041205319980825105618	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Carnadero Creek	CAR3053002019990223155037	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Carnadero Creek	CAR3053002019990223155037	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Carnadero Creek	CAR3053002019990223155037	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Carnadero Creek	CAR3053002019990223155037	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Carnadero Creek	CAR3053002019990223155037	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Carnadero Creek	CAR3053002019990223155037	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Carnadero Creek	CAR3053002019990223155037	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carnadero Creek	CAR3053002019990223155037	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carnadero Creek	CAR3053002019990223155037	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carnadero Creek	CAR3053002019990223155037	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carnadero Creek	CAR3053002019990223155037	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Carnadero Creek	CAR3053002019990223155037	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Carnadero Creek	CAR3053002019990223155037	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Carnadero Creek	CAR3053002019990223155037	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Carneros Creek (Monterey County)	CAR3060001020090115165216	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR3153402019980825112405	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR3153402019980825112405	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR3153402019980825112405	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR3153402019980825112405	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR3153402019980825112405	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR3153402019980825112405	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Carpinteria Creek	CAR315340201998082511240 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR315340201998082511240 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR315340201998082511240 5	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR315340201998082511240 5	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR315340201998082511240 5	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Creek	CAR315340201998082511240 5	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Organic Enrichment/Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Organic Enrichment/Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Organic Enrichment/Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2021	
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2021	
Casmalia Canyon Creek	CAR313000402002011714550 8	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Chesbro Reservoir	CAL305200142002012416225 5	Mercury	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2012	
Cholame Creek	CAR317000812001112708072 7	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cholame Creek	CAR317000812001112708072 7	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Chorro Creek	CAR310220121998082512081 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
Chorro Creek	CAR310220121998082512081 7	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chorro Creek	CAR310220121998082512081 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Chualar Creek	CAR309190002008060416133 7	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	

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Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Chualar Creek	CAR309190002008060416133 7	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Chualar Creek	CAR309190002008060416133 7	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Chumash Creek	CAR310220112002100121351 4	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Cieneguitas Creek	CAR315310112008061216590 8	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Clear Creek (San Benito County)	CAR305500132002100418114 6	Mercury	Metals/Metalloids	List on 303(d) list (being addressed by USEPA approve	5B		
Corcoran Lagoon	CAW304130142010081617112 3	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Corcoran Lagoon	CAW304130142010081617112 3	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Corralitos Creek	CAR305100101999022510270 4	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Corralitos Creek	CAR305100101999022510270 4	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Corralitos Creek	CAR305100101999022510270 4	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Corralitos Creek	CAR305100101999022510270 4	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Corralitos Creek	CAR305100101999022510270 4	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Corralitos Creek	CAR305100101999022510270 4	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Cuyama River (above Twitchell Reservior)	CAR3123006020080611173645	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Dairy Creek	CAR3102201019990225114123	Fecal Coliform	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Dairy Creek	CAR3102201019990225114123	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Devereux Creek	CAR3153102020080612164650	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Devereux Creek	CAR3153102020080612164650	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Devereux Creek	CAR3153102020080612164650	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Devereux Creek	CAR3153102020080612164650	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Devereux Creek	CAR3153102020080612164650	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Devereux Creek	CAR3153102020080612164650	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Dos Pueblos Canyon Creek	CAR3151001119990225122436	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Elkhorn Slough	CAE3060001419981209073137	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Esperanza Creek	CAR3091101020080604161515	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Lake	CAL3091900020020117151744	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Lake	CAL3091900020020117151744	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Espinosa Slough	CAR3091101019981230135152	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Estrella River	CAR3170007119990225125807	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Estrella River	CAR3170007119990225125807	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Estrella River	CAR317000711999022512580 7	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Fall Creek	CAR304120221999022513332 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Fall Creek	CAR304120221999022513332 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Fall Creek	CAR304120221999022513332 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Fall Creek	CAR304120221999022513332 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Furlong Creek	CAR305300201999022211193 2	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Furlong Creek	CAR305300201999022211193 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Furlong Creek	CAR305300201999022211193 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Furlong Creek	CAR305300201999022211193 2	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Furlong Creek	CAR305300201999022211193 2	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Furlong Creek	CAR305300201999022211193 2	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Furlong Creek	CAR305300201999022211193 2	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Gabilan Creek	CAR309190001999030409234 5	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Gabilan Creek	CAR309190001999030409234 5	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Gallighan Slough	CAR305100302008061614505 3	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Glen Annie Canyon	CAR315310201999030410273 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR315310201999030410273 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR315310201999030410273 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR315310201999030410273 5	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR315310201999030410273 5	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Glen Annie Canyon	CAR315310201999030410273 5	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR315310201999030410273 5	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR315310201999030410273 5	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR315310201999030410273 5	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Glen Annie Canyon	CAR3153102019990304102735	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR3153102019990304102735	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR3153102019990304102735	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR3153102019990304102735	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR3153102019990304102735	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR3153102019990304102735	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Glen Annie Canyon	CAR3153102019990304102735	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Goleta Slough/Estuary	CAE3153102019981209141309	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Goleta Slough/Estuary	CAE3153102019981209141309	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Goleta Slough/Estuary	CAE3153102019981209141309	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Goleta Slough/Estuary	CAE3153102019981209141309	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2021	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Hanson Slough	CAR3051003020080616145237	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Harkins Slough	CAR3051001320080603122917	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Harkins Slough	CAR3051001320080603122917	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Harkins Slough	CAR3051001320080603122917	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Hernandez Reservoir	CAL3055001619980828154910	Mercury	Metals/Metalloids	Do Not Delist from 303(d) list (being addressed with US	5B		
Jalama Creek	CAR3151005119990304115034	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Jalama Creek	CAR3151005119990304115034	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Jalama Creek	CAR3151005119990304115034	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Jalama Creek	CAR3151005119990304115034	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Kings Creek	CAR3041201119990304115830	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Kings Creek	CAR3041201119990304115830	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Kings Creek	CAR3041201119990304115830	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Kings Creek	CAR3041201119990304115830	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Kings Creek	CAR3041201119990304115830	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Las Tablas Creek	CAR3098129319980825123721	Metals	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Las Tablas Creek, North Fork	CAR3098129019980828104645	Metals	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Las Tablas Creek, South Fork	CAR3098129019980828110227	Metals	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Little Oso Flaco Creek	CAR3121003020080611165546	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Little Oso Flaco Creek	CAR3121003020080611165546	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Little Oso Flaco Creek	CAR3121003020080611165546	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Little Oso Flaco Creek	CAR3121003020080611165546	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Little Oso Flaco Creek	CAR3121003020080611165546	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Llagas Creek (above Chesbro Reservoir)	CAR3052001419980826100148	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (above Chesbro Reservoir)	CAR3052001419980826100148	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Chloride	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Chloride	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Lockhart Gulch	CAR3041204119990304141558	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Lockhart Gulch	CAR3041204119990304141558	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Lompico Creek	CAR3041204019980826100810	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Lompico Creek	CAR3041204019980826100810	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Lompico Creek	CAR3041204019980826100810	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Lompico Creek	CAR3041204019980826100810	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Lompico Creek	CAR3041204019980826100810	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Lompico Creek	CAR3041204019980826100810	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Lompico Creek	CAR3041204019980826100810	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Lompico Creek	CAR3041204019980826100810	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Lompico Creek	CAR3041204019980826100810	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Los Berros Creek	CAR3103102319990304143314	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Los Berros Creek	CAR3103102319990304143314	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Los Berros Creek	CAR3103102319990304143314	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Los Berros Creek	CAR3103102319990304143314	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Los Berros Creek	CAR310310231999030414331 4	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Los Berros Creek	CAR310310231999030414331 4	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Los Berros Creek	CAR310310231999030414331 4	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Los Berros Creek	CAR310310231999030414331 4	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Los Berros Creek	CAR310310231999030414331 4	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Los Carneros Creek	CAR315310201999030414365 8	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Los Carneros Creek	CAR315310201999030414365 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Los Carneros Creek	CAR315310201999030414365 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Los Carneros Creek	CAR315310201999030414365 8	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Los Carneros Creek	CAR315310201999030414365 8	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Los Osos Creek	CAR310230121998082610283 3	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Los Osos Creek	CAR310230121998082610283 3	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Los Osos Creek	CAR310230121998082610283 3	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Los Osos Creek	CAR310230121998082610283 3	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Los Osos Creek	CAR310230121998082610283 3	Nitrate	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Los Osos Creek	CAR310230121998082610283 3	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (being addressed with US	5B		
Love Creek	CAR304120211999030414410 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Love Creek	CAR304120211999030414410 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Love Creek	CAR304120211999030414410 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Love Creek	CAR304120211999030414410 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Love Creek	CAR304120211999030414410 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Love Creek	CAR304120211999030414410 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Main Street Canal	CAR312100302002081911080 3	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR312100302002081911080 3	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Main Street Canal	CAR3121003020020819110803	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR3121003020020819110803	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR3121003020020819110803	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR3121003020020819110803	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR3121003020020819110803	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR3121003020020819110803	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR3121003020020819110803	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Main Street Canal	CAR3121003020020819110803	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Majors Creek (Monterey County)	CAR3095004220090226140639	Copper	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Copper	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Lead	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Lead	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Zinc	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Majors Creek (Monterey County)	CAR3095004220090226140639	Zinc	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Maria Ygnacio Creek	CAR3153102020080612165648	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Maria Ygnacio Creek	CAR3153102020080612165648	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Maria Ygnacio Creek	CAR3153102020080612165648	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Maria Ygnacio Creek	CAR3153102020080612165648	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Maria Ygnacio Creek	CAR3153102020080612165648	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
McEnery Spring	CAR3041204120100620215953	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
McGowan Ditch	CAR3051003020100620223644	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Merrit Ditch	CAR3091101020080604152147	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Merrit Ditch	CAR3091101020080604152147	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Millers Canal	CAR3053002020080603171000	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Millers Canal	CAR3053002020080603171000	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Millers Canal	CAR3053002020080603171000	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Millers Canal	CAR3053002020080603171000	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Mission Creek (Santa Barbara County)	CAR3153201119980826110307	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Monterey Harbor	CAB3091201419980827160747	Metals	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Monterey Harbor	CAB3091201419980827160747	Sediment Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Moore Creek	CAR3041103120080602125209	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Moore Creek	CAR3041103120080602125209	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moore Creek	CAR3041103120080602125209	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Moore Creek	CAR3041103120080602125209	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Moro Cojo Slough	CAE3060001519981209132246	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Moro Cojo Slough	CAE306000151998120913224 6	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Morro Bay	CAB310220121998082714150 6	Oxygen, Dissolved	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Morro Bay	CAB310220121998082714150 6	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Morro Bay	CAB310220121998082714150 6	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Moss Landing Harbor	CAB306000141998121412113 5	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Nickel	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Nickel	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Nickel	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Nickel	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Nickel	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Nickel	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Moss Landing Harbor	CAB306000141998121412113 5	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Mountain Charlie Gulch	CAR304120402002012416045 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Mountain Charlie Gulch	CAR304120402002012416045 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Mountain Charlie Gulch	CAR304120402002012416045 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Mountain Charlie Gulch	CAR304120402002012416045 4	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Nacimiento Reservoir	CAL309820001998121417171 1	Mercury	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Nacimiento Reservoir	CAL309820001998121417171 1	Metals	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Nacimiento Reservoir	CAL309820001998121417171 1	Metals	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Natividad Creek	CAR309110102005053112514 0	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Natividad Creek	CAR309110102005053112514 0	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Natividad Creek	CAR309110102005053112514 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Newell Creek (Lower)	CAR304120312002019170752	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Newell Creek (Upper)	CAR304120312002012411 5808	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Newell Creek (Upper)	CAR304120312002012411 5808	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Newell Creek (Upper)	CAR304120312002012411 5808	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Newell Creek (Upper)	CAR304120312002012411 5808	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Newell Creek (Upper)	CAR304120312002012411 5808	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Newell Creek (Upper)	CAR304120312002012411 5808	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Nipomo Creek	CAR312100112001112912 4911	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Nipomo Creek	CAR312100112001112912 4911	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Nobel Gulch Creek	CAR304130142008060312212 7	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
North Main Street Channel	CAR312100302008062011104 5	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Old Salinas River	CAR309110102008061114551 8	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River	CAR309110102008061114551 8	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Old Salinas River Estuary	CAE306000141998121414380 7	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Chlorpyrifos	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Chlorpyrifos	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Chlorpyrifos	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	DDT (Dichlorodiphenyltrichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	DDT (Dichlorodiphenyltrichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	DDT (Dichlorodiphenyltrichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Orcutt Creek	CAR312100302001112915470 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR312100302002012412214 4	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR312100302002012412214 4	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR312100302002012412214 4	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR312100302002012412214 4	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Oso Flaco Creek	CAR3121003020020124122144	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Creek	CAR3121003020020124122144	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Lake	CAL3121003020011121102545	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Lake	CAL3121003020011121102545	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Oso Flaco Lake	CAL3121003020011121102545	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Pacheco Creek	CAR3053002020020103133745	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2120	
Pacheco Creek	CAR3053002020020103133745	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2120	
Pacheco Creek	CAR3053002020020103133745	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2120	
Pacheco Creek	CAR3053002020020103133745	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pacheco Creek	CAR3053002020020103133745	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pacheco Creek	CAR3053002020020103133745	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pacheco Creek	CAR3053002020020103133745	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Pacheco Creek	CAR3053002020020103133745	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean (Point Ano Nuevo to Soquel Point)	CAO3041102220090612082544	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Arroyo Burro Beach (Santa Barbara County)	CAX3153201020020107155347	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Arroyo Burro Beach (Santa Barbara County)	CAX3153201020020107155347	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Avila Beach (Avila Pier)	CAC3102402120100404115848	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Avila Beach (Avila Pier)	CAC3102402120100404115848	PCBs (Polychlorinated biphenyls)	Other Organics	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Avila Beach (SLO creek mouth)	CAC3102402120100404162226	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC3041301420070614104240	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Carpinteria State Beach (Carpinteria Creek mouth, Santa Barbara County)	CAX3153402020021001211616	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Cayucos (Cayucos Creek Mouth)	CAC3101601020100414170217	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX3153201120020107160116	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at East Beach (mouth of Sycamore Creek, Santa Barbara County)	CAX3153201220021002193849	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Goleta Beach (Santa Barbara County)	CAX3153102020021002211230	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Hammonds Beach (Santa Barbara County)	CAX3153301020021002211858	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Hammonds Beach (Santa Barbara County)	CAX3153301020021002211858	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Haskells Beach (Santa Barbara County)	CAC3151001220070328183439	Enterococcus	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Pacific Ocean at Hope Ranch Beach (Santa Barbara County)	CAX315320102002100221305 3	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Hope Ranch Beach (Santa Barbara County)	CAX315320102002100221305 3	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Leadbetter Beach (Santa Barbara County)	CAX315320112002100221455 3	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Ocean Beach (Santa Barbara County)	CAX314100502002100222000 6	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pacific Ocean at Ocean Beach (Santa Barbara County)	CAX314100502002100222000 6	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Olde Port Beach (at restrooms)	CAC310250122010040416421 9	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Pismo State Beach (San Luis Obispo County), south of Pismo Pier	CAC310260142010062216470 4	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Point Rincon (mouth of Rincon Cr, Santa Barbara County)	CAX315340122000032613494 1	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Point Rincon (mouth of Rincon Cr, Santa Barbara County)	CAX315340122000032613494 1	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Refugio Beach (Santa Barbara County)	CAX315100222002100222143 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Pacific Ocean at Refugio Beach (Santa Barbara County)	CAX315100222002100222143 2	Total Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Pacific Ocean at Stillwater Cove Beach	CAC309500422004121417473 9	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Chlordane	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	DDD (Dichlorodiphenyldichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Pajaro River	CAR305100301998082611515 2	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Pajaro River	CAR305100301998082611515 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR305100301998082611515 2	Nitrate	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Pajaro River	CAR3051003019980826115152	Nitrate	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	PCBs (Polychlorinated biphenyls)	Other Organics	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Pajaro River	CAR3051003019980826115152	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Pajaro River	CAR3051003019980826115152	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Pennington Creek	CAR3102201120020124123809	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pico Creek	CAR3101302020020124125005	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pico Creek	CAR3101302020020124125005	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pico Creek	CAR3101302020020124125005	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pinto Lake	CAL3051003020020124122807	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Cyanobacteria hepatotoxic microcystins	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Cyanobacteria hepatotoxic microcystins	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Cyanobacteria hepatotoxic microcystins	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Scum/Foam-unnatural	Nuisance	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Scum/Foam-unnatural	Nuisance	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Scum/Foam-unnatural	Nuisance	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	Scum/Foam-unnatural	Nuisance	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Pinto Lake	CAL3051003020020124122807	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Pismo Creek	CAR3102601420020124125144	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Pismo Creek	CAR3102601420020124125144	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Pismo Creek	CAR3102601420020124125144	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Porter Gulch Creek	CAR3041301320080603122516	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Porter Gulch Creek	CAR3041301320080603122516	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Prefumo Creek	CAR3102401220020124125422	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Quail Creek	CAR3091900020011227140647	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Quail Creek	CAR3091900020011227140647	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Rider Creek	CAR3051001019981207100234	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Rider Creek	CAR3051001019981207100234	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Rider Creek	CAR3051001019981207100234	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Rincon Creek	CAR3153401220020124130528	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Rincon Creek	CAR3153401220020124130528	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Rincon Creek	CAR3153401220020124130528	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Rincon Creek	CAR3153401220020124130528	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Rincon Creek	CAR3153401220020124130528	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Rincon Creek	CAR3153401220020124130528	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Rincon Creek	CAR3153401220020124130528	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Rincon Creek	CAR3153401220020124130528	Unknown Toxicity	Toxicity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Rodeo Creek Gulch	CAR3041301420020124131242	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Rodeo Creek Gulch	CAR3041301420020124131242	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Romero Creek	CAR3153301120080612170700	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Romero Creek	CAR3153301120080612170700	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas Reclamation Canal	CAR3091101019980828112229	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Ammonia (Unionized)	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Copper	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2018	
Salinas Reclamation Canal	CAR3091101019980828112229	Copper	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2018	
Salinas Reclamation Canal	CAR3091101019980828112229	Copper	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2018	
Salinas Reclamation Canal	CAR3091101019980828112229	Copper	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2018	
Salinas Reclamation Canal	CAR3091101019980828112229	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR3091101019980828112229	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Salinas Reclamation Canal	CAR309110101998082811222 9	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Priority Organics	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas Reclamation Canal	CAR309110101998082811222 9	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chlordane	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2018	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	DDD (Dichlorodiphenyldichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Dieldrin	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales Ro crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	PCBs (Polychlorinated biphenyls)	Other Organics	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Toxaphene	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	Chloride	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	Chloride	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	Chloride	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	Sodium	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	

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WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	Sodium	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	Sodium	Salinity	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Salinas River Lagoon (North)	CAE309110101998082814323 2	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Lagoon (North)	CAE309110101998082814323 2	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Nitrogen, Nitrite	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio Reservoir	CAL3098300020080114173957	Mercury	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Boron	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Benito River	CAR3053002019981207091641	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
San Benito River	CAR3053002019981207091641	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Benito River	CAR3053002019981207091641	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Bernardo Creek	CAR3102201220020124134314	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Juan Creek (San Benito County)	CAR3052005020090204001958	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Boron	Metals/Metalloids	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Electrical Conductivity	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2120	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2120	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo Creek (Monterey County)	CAR3091800020020103133204	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo River	CAR3041202219980827084709	Chlordane	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo River	CAR3041202219980827084709	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo River	CAR3041202219980827084709	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Lorenzo River	CAR3041202219980827084709	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Lorenzo River	CAR3041202219980827084709	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Lorenzo River	CAR3041202219980827084709	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Lorenzo River	CAR3041202219980827084709	PCBs (Polychlorinated biphenyls)	Other Organics	List on 303(d) list (TMDL required list)	5A	2021	
San Lorenzo River	CAR3041202219980827084709	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Lorenzo River	CAR3041202219980827084709	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Lorenzo River	CAR3041202219980827084709	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Lorenzo River	CAR3041202219980827084709	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Lorenzo River	CAR3041202219980827084709	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
San Lorenzo River	CAR3041202219980827084709	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
San Lorenzo River	CAR3041202219980827084709	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
San Lorenzo River	CAR3041202219980827084709	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
San Lorenzo River	CAR3041202219980827084709	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
San Lorenzo River Lagoon	CAE3041205319980828094349	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
San Lorenzo River Lagoon	CAE3041205319980828094349	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	

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Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
San Luis Obispo Creek (above Osos Street)	CAR310240111998082414312 3	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nitrate as Nitrate (NO3)	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nitrate as Nitrate (NO3)	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nitrate as Nitrate (NO3)	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nitrate as Nitrate (NO3)	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nitrate as Nitrate (NO3)	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nitrate as Nitrate (NO3)	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Nutrients	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Pathogens	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Pathogens	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Pathogens	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Pathogens	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Pathogens	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Pathogens	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Luisito Creek	CAR3102201120020124141107	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
San Miguelito Creek	CAR3141004020020124141622	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Miguelito Creek	CAR3141004020020124141622	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Miguelito Creek	CAR3141004020020124141622	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Miguelito Creek	CAR3141004020020124141622	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Miguelito Creek	CAR3141004020020124141622	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Miguelito Creek	CAR3141004020020124141622	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR3101301220020124141805	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR3101301220020124141805	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR3101301220020124141805	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR3101301220020124141805	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
San Simeon Creek	CAR310130122002012414180 5	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Simeon Creek	CAR310130122002012414180 5	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
San Vicente Creek (Santa Cruz County)	CAR304110232002012414193 2	Sedimentation/Siltation	Sediment	Do Not Delist from 303(d) list (TMDL required list)	5A	2019	
Santa Maria River	CAR312100302001122810352 8	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Chlorpyrifos	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Chlorpyrifos	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Chlorpyrifos	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	DDT (Dichlorodiphenyltrichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	DDT (Dichlorodiphenyltrichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	DDT (Dichlorodiphenyltrichloroethane)	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Dieldrin	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Dieldrin	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Dieldrin	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Endrin	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Endrin	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Endrin	Pesticides	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Toxaphene	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River	CAR312100302001122810352 8	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Santa Maria River Estuary	CAE312100302002031112593 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Maria River Estuary	CAE312100302002031112593 8	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Monica Creek	CAR315340202002012414285 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Monica Creek	CAR315340202002012414285 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Monica Creek	CAR315340202002012414285 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Monica Creek	CAR315340202002012414285 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Monica Creek	CAR315340202002012414285 0	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2018	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR3141005019980827094226	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR3141005019980827094226	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Nitrate	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Santa Ynez River (below city of Lompoc to Ocean)	CAR314100402005081612563 1	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR314100402005081612563 1	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR314100402005081612563 1	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR314100402005081612563 1	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Santa Ynez River (below city of Lompoc to Ocean)	CAR314100402005081612563 1	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Schwan Lake	CAL304120531998120910215 6	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Schwan Lake	CAL304120531998120910215 6	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Schwan Lake	CAL304120531998120910215 6	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Schwan Lake	CAL304120531998120910215 6	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Schwan Lake	CAL304120531998120910215 6	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Schwan Lake	CAL304120531998120910215 6	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Schwan Lake	CAL304120531998120910215 6	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Shingle Mill Creek	CAR304120221998082710234 7	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Shingle Mill Creek	CAR304120221998082710234 7	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Shingle Mill Creek	CAR304120221998082710234 7	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Shingle Mill Creek	CAR304120221998082710234 7	Nutrients	Nutrients	Do Not Delist from 303(d) list (being addressed with US	5B		
Shingle Mill Creek	CAR304120221998082710234 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Shingle Mill Creek	CAR304120221998082710234 7	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Shuman Canyon Creek	CAR313000412002012414420 5	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Soda Lake	CAL311000501998080510220 4	Ammonia (Unionized)	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Soquel Creek	CAR304130142002012414525 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Creek	CAR304130142002012414525 8	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Soquel Lagoon	CAE304130141998120913282 7	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Lagoon	CAE304130141998120913282 7	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Lagoon	CAE304130141998120913282 7	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Lagoon	CAE304130141998120913282 7	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Lagoon	CAE304130141998120913282 7	Pathogens	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Soquel Lagoon	CAE304130141998120913282 7	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Spring Lakes Creek	CAR304120412008060311233 5	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Stenner Creek	CAR310240102002012414594 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Stenner Creek	CAR310240102002012414594 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Stenner Creek	CAR310240102002012414594 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Stenner Creek	CAR310240102002012414594 5	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Struve Slough	CAR305100302008060312522 7	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Struve Slough	CAR305100302008060312522 7	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Struve Slough	CAR305100302008060312522 7	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Struve Slough	CAR305100302008060312522 7	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Sycamore Creek	CAR315320122008061217010 0	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Sycamore Creek	CAR315320122008061217010 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Sycamore Creek	CAR315320122008061217010 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Sycamore Creek	CAR315320122008061217010 0	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Sycamore Creek	CAR315320122008061217010 0	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Tecolote Creek (Santa Barbara County)	CAR315100132008061216391 1	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Tecolote Creek (Santa Barbara County)	CAR315100132008061216391 1	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Tecolote Creek (Santa Barbara County)	CAR315100132008061216391 1	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Tecolote Creek (Santa Barbara County)	CAR315100132008061216391 1	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Tembladero Slough	CAR309110101998120913183 0	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Tembladero Slough	CAR309110101998120913 1830	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Chlorophyll-a	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Diazinon	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Enterococcus	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Nutrients	Nutrients	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Sediment Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Total Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	Unknown Toxicity	Toxicity	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Tembladero Slough	CAR309110101998120913 1830	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2013	
Tequisquita Slough	CAR305300202001112109 1332	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Tequisquita Slough	CAR305300202001112109 1332	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Tequisquita Slough	CAR305300202001112109 1332	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Tequisquita Slough	CAR305300202001112109 1332	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Tequisquita Slough	CAR305300202001112109 1332	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Tequisquita Slough	CAR305300202001112109 1332	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Toro Canyon Creek	CAR315340102008061217 0925	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Toro Canyon Creek	CAR315340102008061217 0925	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Toro Canyon Creek	CAR315340102008061217 0925	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Toro Creek	CAR310180102002012415 1249	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Toro Creek	CAR310180102002012415 1249	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Toro Creek	CAR310180102002012415 1249	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Toro Creek	CAR310180102002012415 1249	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Toro Creek	CAR310180102002012415 1249	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Toro Creek	CAR310180102002012415 1249	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Tres Pinos Creek	CAR305300202002012415 1519	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Tres Pinos Creek	CAR305300202002012415 1519	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2011	
Tres Pinos Creek	CAR305300202002012415 1519	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Tres Pinos Creek	CAR305300202002012415 1519	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Tularcitos Creek	CAR307000322002012415 1854	Chloride	Salinity	List on 303(d) list (TMDL required list)	5A	2021	
Tularcitos Creek	CAR307000322002012415 1854	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Tularcitos Creek	CAR307000322002012415 1854	Sodium	Salinity	List on 303(d) list (TMDL required list)	5A	2021	

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	POLLUTANT	POLLUTANT CATEGORY	FINAL LISTING DECISION	TMDL REQUIREMENT STATUS**	EXPECTED TMDL COMPLETION DATE***	EXPECTED ATTAINMENT DATE***
Uvas Creek (above Uvas Reservoir)	CAR3052001020080603162913	Temperature, water	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Uvas Creek (above Uvas Reservoir)	CAR3052001020080603162913	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Uvas Reservoir	CAL3052001220020124163614	Mercury	Metals/Metalloids	List on 303(d) list (TMDL required list)	5A	2021	
Valencia Creek	CAR3041302319980827104158	Pathogens	Pathogens	Do Not Delist from 303(d) list (TMDL required list)	5A	2011	
Valencia Creek	CAR3041302319980827104158	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Valencia Creek	CAR3041302319980827104158	Sedimentation/Siltation	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Walters Creek	CAR3102201120021002231800	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Warden Creek	CAR3102301020021002232250	Fecal Coliform	Pathogens	Do Not Delist from 303(d) list (being addressed with US	5B		
Warden Creek	CAR3102301020021002232250	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Warden Creek	CAR3102301020021002232250	Low Dissolved Oxygen	Nutrients	Do Not Delist from 303(d) list (TMDL required list)	5A	2021	
Warden Creek	CAR3102301020021002232250	Nitrate	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Warden Creek	CAR3102301020021002232250	Nitrate	Nutrients	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Creek	CAR3051003020080603171443	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Escherichia coli (E. coli)	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	Nitrate	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Creek	CAR3051003020080603171443	pH	Miscellaneous	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Low Dissolved Oxygen	Nutrients	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Slough	CAR3051003019981209150043	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Slough	CAR3051003019981209150043	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Slough	CAR3051003019981209150043	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Slough	CAR3051003019981209150043	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Slough	CAR3051003019981209150043	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Slough	CAR3051003019981209150043	Pathogens	Pathogens	List on 303(d) list (being addressed by USEPA approve	5B		
Watsonville Slough	CAR3051003019981209150043	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Pesticides	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Watsonville Slough	CAR3051003019981209150043	Turbidity	Sediment	List on 303(d) list (TMDL required list)	5A	2021	
Zayante Creek	CAR3041202220020124155410	Chlorpyrifos	Pesticides	List on 303(d) list (TMDL required list)	5A	2021	
Zayante Creek	CAR3041202220020124155410	Fecal Coliform	Pathogens	List on 303(d) list (TMDL required list)	5A	2021	
Zayante Creek	CAR3041202220020124155410	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Zayante Creek	CAR3041202220020124155410	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Zayante Creek	CAR3041202220020124155410	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Zayante Creek	CAR3041202220020124155410	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Zayante Creek	CAR3041202220020124155410	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		
Zayante Creek	CAR3041202220020124155410	Sedimentation/Siltation	Sediment	List on 303(d) list (being addressed by USEPA approve	5B		

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Alamo Creek	CAR3123008319980825153136			Grazing-Related Sources	Agriculture
Alamo Creek	CAR3123008319980825153136			Agriculture	Agriculture
Alamo Creek	CAR3123008319980825153136			Natural Sources	Natural Sources
Alisal Creek (Monterey County)	CAR3097009519990222130537			Agriculture	Agriculture
Alisal Creek (Monterey County)	CAR3097009519990222130537			Nonpoint Source	Unspecified Nonpoint Source
Alisal Creek (Monterey County)	CAR3097009519990222130537			Natural Sources	Natural Sources
Alisal Creek (Monterey County)	CAR3097009519990222130537			Urban Runoff/Storm Sewers	Urban Runoff
Alisal Creek (Monterey County)	CAR3097009519990222130537			Agriculture	Agriculture
Alisal Creek (Monterey County)	CAR3097009519990222130537			Nonpoint Source	Unspecified Nonpoint Source
Alisal Creek (Monterey County)	CAR3097009519990222130537			Agriculture	Agriculture
Alisal Creek (Monterey County)	CAR3097009519990222130537			Urban Runoff/Storm Sewers	Urban Runoff
Alisal Creek (Monterey County)	CAR3097009519990222130537			Urban Runoff/Storm Sewers	Urban Runoff
Alisal Creek (Monterey County)	CAR3097009519990222130537			Agriculture	Agriculture
Alisal Creek (Monterey County)	CAR3097009519990222130537			Nonpoint Source	Unspecified Nonpoint Source
Alisal Slough (Monterey County)	CAR3091101020090311204028			Agriculture	Agriculture
Alisal Slough (Monterey County)	CAR3091101020090311204028			Agriculture	Agriculture
Alisal Slough (Monterey County)	CAR3091101020090311204028			Agriculture	Agriculture
Alisal Slough (Monterey County)	CAR3091101020090311204028			Agriculture	Agriculture
Aptos Creek	CAR3041302320020319065717		Impaired length for Fecal Coliform is below Bridge Creek to the mouth (approximately 5 miles).	Urban Runoff/Storm Sewers	Urban Runoff
Aptos Creek	CAR3041302320020319065717		Impaired length for Fecal Coliform is below Bridge Creek to the mouth (approximately 5 miles).	Pasture Grazing-Riparian and/or Upland	Agriculture
Aptos Creek	CAR3041302320020319065717		Impaired length for Fecal Coliform is below Bridge Creek to the mouth (approximately 5 miles).	Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Aptos Creek	CAR3041302320020319065717		Impaired length for Fecal Coliform is below Bridge Creek to the mouth (approximately 5 miles).	Collection System Failure	Municipal Wastewater
Aptos Creek	CAR3041302320020319065717		Impaired length for Fecal Coliform is below Bridge Creek to the mouth (approximately 5 miles).	Natural Sources	Natural Sources
Aptos Creek	CAR3041302320020319065717			Channel Erosion	Hydromodification
Aptos Creek	CAR3041302320020319065717			Disturbed Sites (Land Develop.)	Construction/Land Development
Arana Gulch	CAR3041205119990222133711			Unknown Nonpoint Source	Unspecified Nonpoint Source
Arana Gulch	CAR3041205119990222133711			Other Urban Runoff	Urban Runoff
Arana Gulch	CAR3041205119990222133711			Source Unknown	Source Unknown
Arana Gulch	CAR3041205119990222133711			Source Unknown	Source Unknown
Arroyo Burro Creek	CAR3153201019990222134526			Golf course activities	Recreation Areas And Activities
Arroyo Burro Creek	CAR3153201019990222134526			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Burro Creek	CAR3153201019990222134526			Natural Sources	Natural Sources
Arroyo Burro Creek	CAR3153201019990222134526			Golf course activities	Recreation Areas And Activities
Arroyo Burro Creek	CAR3153201019990222134526			Natural Sources	Natural Sources
Arroyo Burro Creek	CAR3153201019990222134526			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo De La Cruz	CAR3101201320020117141339			Grazing-Related Sources	Agriculture
Arroyo De La Cruz	CAR3101201320020117141339			Natural Sources	Natural Sources
Arroyo De La Cruz	CAR3101201320020117141339			Natural Sources	Natural Sources
Arroyo De La Cruz	CAR3101201320020117141339			Grazing-Related Sources	Agriculture
Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947			Grazing-Related Sources	Agriculture
Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947			Agriculture	Agriculture
Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947			Grazing-Related Sources	Agriculture
Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Grande Creek (below Lopez Lake)	CAR3103101419980804113947			Agriculture	Agriculture
Arroyo Paredon	CAR3153401019990222143223			Source Unknown	Source Unknown
Arroyo Paredon	CAR3153401019990222143223			Groundwater Loadings	Groundwater Related
Arroyo Paredon	CAR3153401019990222143223			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Paredon	CAR3153401019990222143223			Agriculture	Agriculture
Arroyo Paredon	CAR3153401019990222143223			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Paredon	CAR3153401019990222143223			Agriculture	Agriculture
Arroyo Paredon	CAR3153401019990222143223			Source Unknown	Source Unknown
Arroyo Paredon	CAR3153401019990222143223			Agriculture	Agriculture
Arroyo Paredon	CAR3153401019990222143223			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Paredon	CAR3153401019990222143223			Groundwater Loadings	Groundwater Related
Arroyo Paredon	CAR3153401019990222143223			Removal of Riparian Vegetation	Habitat Modification
Arroyo Paredon	CAR3153401019990222143223			Groundwater Loadings	Groundwater Related
Arroyo Paredon	CAR3153401019990222143223			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Paredon	CAR3153401019990222143223			Agriculture	Agriculture
Arroyo Paredon	CAR3153401019990222143223			Agriculture	Agriculture
Arroyo Paredon	CAR3153401019990222143223			Groundwater Loadings	Groundwater Related
Arroyo Paredon	CAR3153401019990222143223			Urban Runoff/Storm Sewers	Urban Runoff
Arroyo Seco River	CAR3096003219990222144047			Source Unknown	Source Unknown
Arroyo Seco River	CAR3096003219990222144047			Source Unknown	Source Unknown
Atascadero Creek (San Luis Obispo County)	CAR3098112419990222145136			Source Unknown	Source Unknown
Atascadero Creek (San Luis Obispo County)	CAR3098112419990222145136			Source Unknown	Source Unknown

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Atascadero Creek (San Luis Obispo County)	CAR309811241999022214513 6			Source Unknown	Source Unknown
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Natural Sources	Natural Sources
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Natural Sources	Natural Sources
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Natural Sources	Natural Sources
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Agriculture	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Urban Runoff/Storm Sewers	Urban Runoff
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Confined Animal Feeding Operations (NPS)	Agriculture
Atascadero Creek (Santa Barbara county)	CAR315310111999022214575 0			Grazing-Related Sources	Agriculture
Beach Road Ditch	CAR305100302008060312383 9			Agriculture	Agriculture
Beach Road Ditch	CAR305100302008060312383 9			Removal of Riparian Vegetation	Habitat Modification
Beach Road Ditch	CAR305100302008060312383 9			Agriculture	Agriculture
Beach Road Ditch	CAR305100302008060312383 9			Removal of Riparian Vegetation	Habitat Modification
Beach Road Ditch	CAR305100302008060312383 9			Removal of Riparian Vegetation	Habitat Modification
Beach Road Ditch	CAR305100302008060312383 9			Agriculture	Agriculture
Beach Road Ditch	CAR305100302008060312383 9			Agriculture	Agriculture
Bean Creek	CAR304120411999022215225 1	2/19/2004		Nonpoint Source	Unspecified Nonpoint Source
Bean Creek	CAR304120411999022215225 1	2/19/2004		Resource Extraction	Resource Extraction
Bean Creek	CAR304120411999022215225 1	2/19/2004		Road Construction	Construction/Land Development
Bean Creek	CAR304120411999022215225 1	2/19/2004		Erosion/Siltation	Habitat Modification
Bean Creek	CAR304120411999022215225 1	2/19/2004		Disturbed Sites (Land Develop.)	Construction/Land Development
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	2/19/2004		Disturbed Sites (Land Develop.)	Construction/Land Development
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	2/19/2004		Erosion/Siltation	Habitat Modification
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	2/19/2004		Road Construction	Construction/Land Development
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	2/19/2004		Silviculture	Silviculture
Bear Creek(Santa Cruz County)	CAR304120301999022215333 9	2/19/2004		Nonpoint Source	Unspecified Nonpoint Source
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Natural Sources	Natural Sources
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Agriculture	Agriculture
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Grazing-Related Sources	Agriculture
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Urban Runoff/Storm Sewers	Urban Runoff
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Urban Runoff/Storm Sewers	Urban Runoff
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Agriculture	Agriculture
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Agriculture	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Bell Creek (Santa Barbara Co)	CAR315100132005053112262 9			Source Unknown	Source Unknown
Bennett Slough	CAR306000142008061116060 5			Source Unknown	Source Unknown
Bennett Slough	CAR306000142008061116060 5			Source Unknown	Source Unknown
Bennett Slough	CAR306000142008061116060 5			Source Unknown	Source Unknown
Blanco Drain	CAR309110101998120916150 9			Agriculture	Agriculture
Blanco Drain	CAR309110101998120916150 9			Agriculture	Agriculture
Blanco Drain	CAR309110101998120916150 9			Agriculture	Agriculture
Blanco Drain	CAR309110101998120916150 9			Groundwater Loadings	Groundwater Related
Blanco Drain	CAR309110101998120916150 9			Agriculture	Agriculture
Blanco Drain	CAR309110101998120916150 9			Groundwater Loadings	Groundwater Related
Blanco Drain	CAR309110101998120916150 9			Agricultural Return Flows	Agriculture
Blanco Drain	CAR309110101998120916150 9			Agriculture	Agriculture
Blanco Drain	CAR309110101998120916150 9			Agriculture-irrigation tailwater	Agriculture
Blanco Drain	CAR309110101998120916150 9			Irrigated Crop Production	Agriculture
Blanco Drain	CAR309110101998120916150 9			Agriculture-storm runoff	Agriculture
Blanco Drain	CAR309110101998120916150 9			Nonpoint Source	Unspecified Nonpoint Source
Blanco Drain	CAR309110101998120916150 9			Removal of Riparian Vegetation	Habitat Modification
Blanco Drain	CAR309110101998120916150 9			Agriculture	Agriculture
Blosser Channel	CAR312100302001112113594 1			Urban Runoff/Storm Sewers	Urban Runoff
Blosser Channel	CAR312100302001112113594 1			Intensive Animal Feeding Operations	Agriculture
Blosser Channel	CAR312100302001112113594 1			Agriculture	Agriculture
Blosser Channel	CAR312100302001112113594 1			Groundwater Withdrawal	Groundwater Related
Blosser Channel	CAR312100302001112113594 1			Intensive Animal Feeding Operations	Agriculture
Blosser Channel	CAR312100302001112113594 1			Agriculture	Agriculture
Blosser Channel	CAR312100302001112113594 1			Groundwater Withdrawal	Groundwater Related
Blosser Channel	CAR312100302001112113594 1			Natural Sources	Natural Sources
Blosser Channel	CAR312100302001112113594 1			Urban Runoff/Storm Sewers	Urban Runoff
Blosser Channel	CAR312100302001112113594 1			Groundwater Loadings	Groundwater Related
Blosser Channel	CAR312100302001112113594 1			Agriculture	Agriculture
Blosser Channel	CAR312100302001112113594 1			Urban Runoff/Storm Sewers	Urban Runoff
Blosser Channel	CAR312100302001112113594 1			Intensive Animal Feeding Operations	Agriculture
Blosser Channel	CAR312100302001112113594 1			Groundwater Withdrawal	Groundwater Related
Blosser Channel	CAR312100302001112113594 1			Urban Runoff/Storm Sewers	Urban Runoff
Blosser Channel	CAR312100302001112113594 1			Agriculture	Agriculture
Blosser Channel	CAR312100302001112113594 1			Agriculture	Agriculture
Blosser Channel	CAR312100302001112113594 1			Urban Runoff/Storm Sewers	Urban Runoff
Blosser Channel	CAR312100302001112113594 1			Groundwater Withdrawal	Groundwater Related
Boulder Creek	CAR304120201999022310251 4	2/19/2004		Disturbed Sites (Land Develop.)	Construction/Land Development
Boulder Creek	CAR304120201999022310251 4	2/19/2004		Erosion/Siltation	Habitat Modification
Boulder Creek	CAR304120201999022310251 4	2/19/2004		Nonpoint Source	Unspecified Nonpoint Source
Boulder Creek	CAR304120201999022310251 4	2/19/2004		Specialty Crop Production	Agriculture
Boulder Creek	CAR304120201999022310251 4	2/19/2004		Road Construction	Construction/Land Development
Boulder Creek	CAR304120201999022310251 4	2/19/2004		Silviculture	Silviculture
Bradley Canyon Creek	CAR312100302001112114484 0			Agriculture	Agriculture
Bradley Canyon Creek	CAR312100302001112114484 0			Natural Sources	Natural Sources
Bradley Canyon Creek	CAR312100302001112114484 0			Agriculture	Agriculture
Bradley Canyon Creek	CAR312100302001112114484 0			Agriculture	Agriculture
Bradley Canyon Creek	CAR312100302001112114484 0			Removal of Riparian Vegetation	Habitat Modification
Bradley Canyon Creek	CAR312100302001112114484 0			Removal of Riparian Vegetation	Habitat Modification
Bradley Canyon Creek	CAR312100302001112114484 0			Agriculture	Agriculture
Bradley Canyon Creek	CAR312100302001112114484 0			Agriculture	Agriculture
Bradley Canyon Creek	CAR312100302001112114484 0			Agriculture	Agriculture
Bradley Canyon Creek	CAR312100302001112114484 0			Urban Runoff/Storm Sewers	Urban Runoff
Bradley Canyon Creek	CAR312100302001112114484 0			Agriculture	Agriculture
Bradley Channel	CAR312100302002100223353 2			Agriculture	Agriculture
Bradley Channel	CAR312100302002100223353 2			Urban Runoff/Storm Sewers	Urban Runoff
Bradley Channel	CAR312100302002100223353 2			Urban Runoff/Storm Sewers	Urban Runoff
Bradley Channel	CAR312100302002100223353 2			Agriculture	Agriculture
Bradley Channel	CAR312100302002100223353 2			Agriculture	Agriculture
Bradley Channel	CAR312100302002100223353 2			Urban Runoff/Storm Sewers	Urban Runoff
Bradley Channel	CAR312100302002100223353 2			Agriculture	Agriculture
Bradley Channel	CAR312100302002100223353 2			Urban Runoff/Storm Sewers	Urban Runoff
Bradley Channel	CAR312100302002100223353 2			Agriculture	Agriculture
Bradley Channel	CAR312100302002100223353 2			Urban Runoff/Storm Sewers	Urban Runoff
Bradley Channel	CAR312100302002100223353 2			Agriculture	Agriculture
Bradley Channel	CAR312100302002100223353 2			Urban Runoff/Storm Sewers	Urban Runoff

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Bradley Channel	CAR3121003020021002233532			Agriculture	Agriculture
Bradley Channel	CAR3121003020021002233532			Urban Runoff/Storm Sewers	Urban Runoff
Branciforte Creek	CAR3041205119990223104548			Source Unknown	Source Unknown
Branciforte Creek	CAR3041205119990223104548			Source Unknown	Source Unknown
Branciforte Creek	CAR3041205119990223104548			Source Unknown	Source Unknown
Branciforte Creek	CAR3041205119990223104548			Source Unknown	Source Unknown
Branciforte Creek	CAR3041205119990223104548	2/19/2004		Nonpoint Source	Unspecified Nonpoint Source
Branciforte Creek	CAR3041205119990223104548	2/19/2004		Silviculture	Silviculture
Branciforte Creek	CAR3041205119990223104548	2/19/2004		Road Construction	Construction/Land Development
Canada De La Gaviota	CAR3151003119990223115746			Natural Sources	Natural Sources
Canada De La Gaviota	CAR3151003119990223115746			Highway/Road/Bridge Runoff	Other Runoff
Canada De La Gaviota	CAR3151003119990223115746			Grazing-Related Sources	Agriculture
Canada De La Gaviota	CAR3151003119990223115746			Highway/Road/Bridge Runoff	Other Runoff
Canada De La Gaviota	CAR3151003119990223115746			Natural Sources	Natural Sources
Canada De La Gaviota	CAR3151003119990223115746			Grazing-Related Sources	Agriculture
Canada De La Gaviota	CAR3151003119990223115746			Grazing-Related Sources	Agriculture
Canada De La Gaviota	CAR3151003119990223115746			Natural Sources	Natural Sources
Canada De La Gaviota	CAR3151003119990223115746			Highway/Road/Bridge Runoff	Other Runoff
Canada De La Gaviota	CAR3151003119990223115746			Grazing-Related Sources	Agriculture
Canada De La Gaviota	CAR3151003119990223115746			Natural Sources	Natural Sources
Canada De La Gaviota	CAR3151003119990223115746			Highway/Road/Bridge Runoff	Other Runoff
Canada De La Gaviota	CAR3151003119990223115746			Highway/Road/Bridge Runoff	Other Runoff
Canada De La Gaviota	CAR3151003119990223115746			Grazing-Related Sources	Agriculture
Canada De La Gaviota	CAR3151003119990223115746			Natural Sources	Natural Sources
Canada Del Refugio	CAR3151002219990223132423			Grazing-Related Sources	Agriculture
Canada Del Refugio	CAR3151002219990223132423			Agriculture	Agriculture
Canada Del Refugio	CAR3151002219990223132423			Natural Sources	Natural Sources
Canada Del Refugio	CAR3151002219990223132423			Natural Sources	Natural Sources
Canada Del Refugio	CAR3151002219990223132423			Grazing-Related Sources	Agriculture
Canada Del Refugio	CAR3151002219990223132423			Agriculture	Agriculture
Canada Del Refugio	CAR3151002219990223132423			Agriculture	Agriculture
Canada Del Refugio	CAR3151002219990223132423			Grazing-Related Sources	Agriculture
Canada Del Refugio	CAR3151002219990223132423			Natural Sources	Natural Sources
Carbonera Creek	CAR3041205319980825105618	1/14/2003		Pasture Grazing-Riparian and/or Upland	Agriculture
Carbonera Creek	CAR3041205319980825105618	1/14/2003		Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Carbonera Creek	CAR3041205319980825105618	1/14/2003		Nonpoint Source	Unspecified Nonpoint Source
Carbonera Creek	CAR3041205319980825105618	1/14/2003		Natural Sources	Natural Sources
Carbonera Creek	CAR3041205319980825105618			Urban Runoff/Storm Sewers	Urban Runoff
Carbonera Creek	CAR3041205319980825105618			Nonpoint Source	Unspecified Nonpoint Source
Carbonera Creek	CAR3041205319980825105618	1/1/2003		Nonpoint Source	Unspecified Nonpoint Source
Carbonera Creek	CAR3041205319980825105618	1/1/2003		Construction/Land Developmen	Construction/Land Development
Carnadero Creek	CAR3053002019990223155037			Natural Sources	Natural Sources
Carnadero Creek	CAR3053002019990223155037			Urban Runoff/Storm Sewers	Urban Runoff
Carnadero Creek	CAR3053002019990223155037			Agriculture	Agriculture
Carnadero Creek	CAR3053002019990223155037			Agriculture	Agriculture
Carnadero Creek	CAR3053002019990223155037			Natural Sources	Natural Sources
Carnadero Creek	CAR3053002019990223155037			Urban Runoff/Storm Sewers	Urban Runoff
Carnadero Creek	CAR3053002019990223155037			Agriculture	Agriculture
Carnadero Creek	CAR3053002019990223155037			Urban Runoff/Storm Sewers	Urban Runoff
Carnadero Creek	CAR3053002019990223155037			Agriculture	Agriculture
Carnadero Creek	CAR3053002019990223155037			Urban Runoff/Storm Sewers	Urban Runoff
Carnadero Creek	CAR3053002019990223155037			Urban Runoff/Storm Sewers	Urban Runoff
Carnadero Creek	CAR3053002019990223155037			Agriculture	Agriculture
Carnadero Creek	CAR3053002019990223155037			Agriculture	Agriculture
Carnadero Creek	CAR3053002019990223155037			Urban Runoff/Storm Sewers	Urban Runoff
Carneros Creek (Monterey County)	CAR3060001020090115165216			Source Unknown	Source Unknown
Carneros Creek (Monterey County)	CAR3060001020090115165216			Agriculture	Agriculture
Carneros Creek (Monterey County)	CAR3060001020090115165216			Agriculture	Agriculture
Carneros Creek (Monterey County)	CAR3060001020090115165216			Natural Sources	Natural Sources
Carneros Creek (Monterey County)	CAR3060001020090115165216			Agriculture	Agriculture
Carneros Creek (Monterey County)	CAR3060001020090115165216			Agriculture	Agriculture
Carneros Creek (Monterey County)	CAR3060001020090115165216			Source Unknown	Source Unknown
Carneros Creek (Monterey County)	CAR3060001020090115165216			Source Unknown	Source Unknown
Carneros Creek (Monterey County)	CAR3060001020090115165216			Agriculture	Agriculture
Carpinteria Creek	CAR3153402019980825112405			Agriculture	Agriculture
Carpinteria Creek	CAR3153402019980825112405			Urban Runoff/Storm Sewers	Urban Runoff
Carpinteria Creek	CAR3153402019980825112405			Urban Runoff/Storm Sewers	Urban Runoff
Carpinteria Creek	CAR3153402019980825112405			Natural Sources	Natural Sources
Carpinteria Creek	CAR3153402019980825112405			Agriculture	Agriculture
Carpinteria Creek	CAR3153402019980825112405			Urban Runoff/Storm Sewers	Urban Runoff

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Carpinteria Creek	CAR315340201998082511240 5			Natural Sources	Natural Sources
Carpinteria Creek	CAR315340201998082511240 5			Agriculture	Agriculture
Carpinteria Creek	CAR315340201998082511240 5			Urban Runoff/Storm Sewers	Urban Runoff
Carpinteria Creek	CAR315340201998082511240 5			Agriculture	Agriculture
Carpinteria Creek	CAR315340201998082511240 5			Urban Runoff/Storm Sewers	Urban Runoff
Carpinteria Creek	CAR315340201998082511240 5			Agriculture	Agriculture
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Urban Runoff/Storm Sewers	Urban Runoff
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Groundwater Loadings	Groundwater Related
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Agriculture	Agriculture
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Groundwater Loadings	Groundwater Related
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Urban Runoff/Storm Sewers	Urban Runoff
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Agriculture	Agriculture
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Urban Runoff/Storm Sewers	Urban Runoff
Carpinteria Marsh (El Estero Marsh)	CAE315340201998082716514 4			Agriculture	Agriculture
Casmalia Canyon Creek	CAR313000402002011714550 8			Source Unknown	Source Unknown
Chesbro Reservoir	CAL305200142002012416225 5			Source Unknown	Source Unknown
Cholame Creek	CAR317000812001112708072 7			Grazing-Related Sources	Agriculture
Cholame Creek	CAR317000812001112708072 7			Source Unknown	Source Unknown
Cholame Creek	CAR317000812001112708072 7			Natural Sources	Natural Sources
Cholame Creek	CAR317000812001112708072 7			Natural Sources	Natural Sources
Cholame Creek	CAR317000812001112708072 7			Grazing-Related Sources	Agriculture
Cholame Creek	CAR317000812001112708072 7			Natural Sources	Natural Sources
Cholame Creek	CAR317000812001112708072 7			Grazing-Related Sources	Agriculture
Cholame Creek	CAR317000812001112708072 7			Grazing-Related Sources	Agriculture
Cholame Creek	CAR317000812001112708072 7			Natural Sources	Natural Sources
Cholame Creek	CAR317000812001112708072 7			Natural Sources	Natural Sources
Cholame Creek	CAR317000812001112708072 7			Grazing-Related Sources	Agriculture
Cholame Creek	CAR317000812001112708072 7			Grazing-Related Sources	Agriculture
Cholame Creek	CAR317000812001112708072 7			Natural Sources	Natural Sources
Cholame Creek	CAR317000812001112708072 7			Grazing-Related Sources	Agriculture
Cholame Creek	CAR317000812001112708072 7			Natural Sources	Natural Sources
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Grazing-Related Sources	Agriculture
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Urban Runoff/Storm Sewers	Urban Runoff
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Natural Sources	Natural Sources
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Agriculture	Agriculture
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Source Unknown	Source Unknown
Chorro Creek	CAR310220121998082512081 7	7/17/2007		Agriculture	Agriculture
Chorro Creek	CAR310220121998082512081 7	7/17/2007		Major Municipal Point Source-dry and/or wet weather discharge	Municipal Wastewater
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Agriculture-storm runoff	Agriculture
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Golf course activities	Recreation Areas And Activities
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Channel Erosion	Hydromodification
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Nonpoint Source	Unspecified Nonpoint Source
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Channelization	Hydromodification
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Agriculture	Agriculture
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Range Grazing-Upland	Agriculture
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Road Construction	Construction/Land Development
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Irrigated Crop Production	Agriculture
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Hydromodification	Hydromodification
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Resource Extraction	Resource Extraction
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Streambank Modification/Destabilization	Hydromodification
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Erosion/Siltation	Habitat Modification
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Range Grazing-Riparian and/or Upland	Agriculture
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Natural Sources	Natural Sources
Chorro Creek	CAR310220121998082512081 7	1/20/2004		Construction/Land Developmen	Construction/Land Development
Chualar Creek	CAR309190002008060416133 7			Removal of Riparian Vegetation	Habitat Modification
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Natural Sources	Natural Sources
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Natural Sources	Natural Sources
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Chualar Creek	CAR309190002008060416133 7			Removal of Riparian Vegetation	Habitat Modification
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Removal of Riparian Vegetation	Habitat Modification
Chualar Creek	CAR309190002008060416133 7			Removal of Riparian Vegetation	Habitat Modification
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Other Urban Runoff	Urban Runoff
Chualar Creek	CAR309190002008060416133 7			Agriculture	Agriculture
Chualar Creek	CAR309190002008060416133 7			Urban Runoff/Storm Sewers	Urban Runoff
Chumash Creek	CAR310220112002100121351 4		For 2006, fecal coliform was moved by USEPA from the being addressed list back to the 303(d) list pending completion and USEPA approval of a TMDL.	Source Unknown	Source Unknown
Cieneguitas Creek	CAR315310112008061216590 8			Pasture Grazing-Upland	Agriculture
Cieneguitas Creek	CAR315310112008061216590 8			Urban Runoff/Storm Sewers	Urban Runoff
Cieneguitas Creek	CAR315310112008061216590 8			Natural Sources	Natural Sources
Cieneguitas Creek	CAR315310112008061216590 8			Natural Sources	Natural Sources
Cieneguitas Creek	CAR315310112008061216590 8			Grazing-Related Sources	Agriculture
Cieneguitas Creek	CAR315310112008061216590 8			Urban Runoff/Storm Sewers	Urban Runoff
Cieneguitas Creek	CAR315310112008061216590 8			Source Unknown	Source Unknown
Cieneguitas Creek	CAR315310112008061216590 8			Urban Runoff/Storm Sewers	Urban Runoff
Cieneguitas Creek	CAR315310112008061216590 8			Unknown Point Source	Unspecified Point Source
Clear Creek (San Benito County)	CAR305500132002100418114 6	6/3/2004	For 2006, mercury was moved by USEPA from the 303(d) list to this being addressed list because of a completed USEPA approved TMDL.	Resource Extraction	Resource Extraction
Corcoran Lagoon	CAW304130142010081617112 3			Source Unknown	Source Unknown
Corcoran Lagoon	CAW304130142010081617112 3			Source Unknown	Source Unknown
Corralitos Creek	CAR305100101999022510270 4			Urban Runoff/Storm Sewers	Urban Runoff
Corralitos Creek	CAR305100101999022510270 4			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Corralitos Creek	CAR305100101999022510270 4			Collection System Failure	Municipal Wastewater
Corralitos Creek	CAR305100101999022510270 4			Pasture Grazing-Riparian and/or Upland	Agriculture
Corralitos Creek	CAR305100101999022510270 4			Natural Sources	Natural Sources
Corralitos Creek	CAR305100101999022510270 4			Transient encampments	Miscellaneous
Corralitos Creek	CAR305100101999022510270 4			Combined Sewer Overflow	Municipal Wastewater
Corralitos Creek	CAR305100101999022510270 4			Urban Runoff/Storm Sewers	Urban Runoff
Corralitos Creek	CAR305100101999022510270 4			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Corralitos Creek	CAR305100101999022510270 4			Pasture Grazing-Riparian and/or Upland	Agriculture
Corralitos Creek	CAR305100101999022510270 4			Collection System Failure	Municipal Wastewater
Corralitos Creek	CAR305100101999022510270 4			Natural Sources	Natural Sources
Corralitos Creek	CAR305100101999022510270 4			Transient encampments	Miscellaneous
Corralitos Creek	CAR305100101999022510270 4		The impaired length is from the Salsipuedes Creek to Browns Valley Road. There is no evidence of impairment above Browns Valley Road.	Agriculture	Agriculture
Corralitos Creek	CAR305100101999022510270 4		The impaired length is from the Salsipuedes Creek to Browns Valley Road. There is no evidence of impairment above Browns Valley Road.	Urban Runoff/Storm Sewers	Urban Runoff
Corralitos Creek	CAR305100101999022510270 4			Agriculture	Agriculture
Corralitos Creek	CAR305100101999022510270 4			Urban Runoff/Storm Sewers	Urban Runoff
Corralitos Creek	CAR305100101999022510270 4			Natural Sources	Natural Sources
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is below the Highway 33 Bridge (between Buckhorn Road and Highway 33 Bridge).	Natural Sources	Natural Sources
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is below the Highway 33 Bridge (between Buckhorn Road and Highway 33 Bridge).	Municipal Point Sources	Municipal Wastewater
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is below the Highway 33 Bridge (between Buckhorn Road and Highway 33 Bridge).	Agriculture	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is below the Highway 33 Bridge (between Buckhorn Road and Highway 33 Bridge).	Grazing-Related Sources	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is below the Highway 33 Bridge (between Buckhorn Road and Highway 33 Bridge).	Resource Extraction	Resource Extraction
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchell Reservoir and the Highway 33 Bridge.	Agriculture	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchell Reservoir and the Highway 33 Bridge.	Natural Sources	Natural Sources
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchell Reservoir and the Highway 33 Bridge.	Resource Extraction	Resource Extraction
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchell Reservoir and the Highway 33 Bridge.	Municipal Point Sources	Municipal Wastewater
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchell Reservoir and the Highway 33 Bridge.	Grazing-Related Sources	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Agriculture	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Resource Extraction	Resource Extraction
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Natural Sources	Natural Sources

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Grazing-Related Sources	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Municipal Point Sources	Municipal Wastewater
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchel Reservoir and the Highway 33 Bridge.	Natural Sources	Natural Sources
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchel Reservoir and the Highway 33 Bridge.	Agriculture	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5		The impaired length is between Twitchel Reservoir and the Highway 33 Bridge.	Grazing-Related Sources	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Grazing-Related Sources	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Agriculture	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Municipal Point Sources	Municipal Wastewater
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Resource Extraction	Resource Extraction
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Natural Sources	Natural Sources
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Agriculture	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Grazing-Related Sources	Agriculture
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Municipal Point Sources	Municipal Wastewater
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Natural Sources	Natural Sources
Cuyama River (above Twitchell Reservior)	CAR312300602008061117364 5			Resource Extraction	Resource Extraction
Dairy Creek	CAR310220101999022511412 3	1/20/2004	For 2006, fecal coliform was moved by USEPA from the being addressed list back to the 303(d) lis pending completion and USEPA approval of a TMDL.	Confined Animal Feeding Operations (NPS)	Agriculture
Dairy Creek	CAR310220101999022511412 3	1/1/2004		Source Unknown	Source Unknown
Devereux Creek	CAR315310202008061216465 0			Urban Runoff/Storm Sewers	Urban Runoff
Devereux Creek	CAR315310202008061216465 0			Golf course activities	Recreation Areas And Activities
Devereux Creek	CAR315310202008061216465 0			Natural Sources	Natural Sources
Devereux Creek	CAR315310202008061216465 0			Natural Sources	Natural Sources
Devereux Creek	CAR315310202008061216465 0			Urban Runoff/Storm Sewers	Urban Runoff
Devereux Creek	CAR315310202008061216465 0			Golf course activities	Recreation Areas And Activities
Dos Pueblos Canyon Creek	CAR315100111999022512243 6			Source Unknown	Source Unknown
Elkhorn Slough	CAE306000141998120907313 7			Urban Runoff/Storm Sewers	Urban Runoff
Elkhorn Slough	CAE306000141998120907313 7			Agriculture	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Grazing-Related Sources	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Natural Sources	Natural Sources
Elkhorn Slough	CAE306000141998120907313 7			Agricultural Return Flows	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Erosion/Siltation	Habitat Modification
Elkhorn Slough	CAE306000141998120907313 7			Nonpoint Source	Unspecified Nonpoint Source
Elkhorn Slough	CAE306000141998120907313 7			Agriculture	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Agriculture-storm runoff	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Irrigated Crop Production	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Contaminated Sediments	Sediment
Elkhorn Slough	CAE306000141998120907313 7			Channel Erosion	Hydromodification
Elkhorn Slough	CAE306000141998120907313 7			Nonpoint Source	Unspecified Nonpoint Source
Elkhorn Slough	CAE306000141998120907313 7			Irrigated Crop Production	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Agriculture-storm runoff	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Agriculture	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Source Unknown	Source Unknown
Elkhorn Slough	CAE306000141998120907313 7			Urban Runoff/Storm Sewers	Urban Runoff
Elkhorn Slough	CAE306000141998120907313 7			Agriculture	Agriculture
Elkhorn Slough	CAE306000141998120907313 7			Natural Sources	Natural Sources
Elkhorn Slough	CAE306000141998120907313 7			Grazing-Related Sources	Agriculture
Esperanza Creek	CAR309110102008060446151 5			Source Unknown	Source Unknown
Espinosa Lake	CAL309190002002011715174 4			Source Unknown	Source Unknown
Espinosa Lake	CAL309190002002011715174 4			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Urban Runoff/Storm Sewers	Urban Runoff
Espinosa Slough	CAR309110101998123013515 2			Nonpoint Source	Unspecified Nonpoint Source
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Espinosa Slough	CAR309110101998123013515 2			Agriculture	Agriculture
Estrella River	CAR317000711999022512580 7			Agriculture	Agriculture
Estrella River	CAR317000711999022512580 7			Grazing-Related Sources	Agriculture
Estrella River	CAR317000711999022512580 7			Natural Sources	Natural Sources
Estrella River	CAR317000711999022512580 7			Natural Sources	Natural Sources
Estrella River	CAR317000711999022512580 7			Grazing-Related Sources	Agriculture
Estrella River	CAR317000711999022512580 7			Agriculture	Agriculture
Estrella River	CAR317000711999022512580 7			Grazing-Related Sources	Agriculture
Estrella River	CAR317000711999022512580 7			Natural Sources	Natural Sources
Estrella River	CAR317000711999022512580 7			Agriculture	Agriculture
Estrella River	CAR317000711999022512580 7			Natural Sources	Natural Sources
Estrella River	CAR317000711999022512580 7			Agriculture	Agriculture
Estrella River	CAR317000711999022512580 7			Grazing-Related Sources	Agriculture
Estrella River	CAR317000711999022512580 7			Natural Sources	Natural Sources
Estrella River	CAR317000711999022512580 7			Grazing-Related Sources	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Estrella River	CAR317000711999022512580 7			Agriculture	Agriculture
Fall Creek	CAR304120221999022513332 6	2/19/2004		Nonpoint Source	Unspecified Nonpoint Source
Fall Creek	CAR304120221999022513332 6	2/19/2004		Erosion/Siltation	Habitat Modification
Fall Creek	CAR304120221999022513332 6	2/19/2004		Habitat Modification	Habitat Modification
Fall Creek	CAR304120221999022513332 6	2/19/2004		Road Construction	Construction/Land Development
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Urban Runoff/Storm Sewers	Urban Runoff
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Agriculture	Agriculture
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Urban Runoff/Storm Sewers	Urban Runoff
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Agriculture	Agriculture
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Natural Sources	Natural Sources
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Natural Sources	Natural Sources
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Urban Runoff/Storm Sewers	Urban Runoff
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Agriculture	Agriculture
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Agriculture	Agriculture
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Groundwater Loadings	Groundwater Related
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Urban Runoff/Storm Sewers	Urban Runoff
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Natural Sources	Natural Sources
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Groundwater Loadings	Groundwater Related
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Urban Runoff/Storm Sewers	Urban Runoff
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Agriculture	Agriculture
Franklin Creek (Santa Barbara County)	CAR315340201999022513435 7			Source Unknown	Source Unknown
Furlong Creek	CAR305300201999022211193 2			Agriculture	Agriculture
Furlong Creek	CAR305300201999022211193 2			Agriculture	Agriculture
Furlong Creek	CAR305300201999022211193 2			Natural Sources	Natural Sources
Furlong Creek	CAR305300201999022211193 2			Agriculture	Agriculture
Furlong Creek	CAR305300201999022211193 2			Natural Sources	Natural Sources
Furlong Creek	CAR305300201999022211193 2			Agriculture	Agriculture
Furlong Creek	CAR305300201999022211193 2			Agriculture	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Agriculture	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Grazing-Related Sources	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Other Urban Runoff	Urban Runoff
Gabilan Creek	CAR309190001999030409234 5			Other Urban Runoff	Urban Runoff
Gabilan Creek	CAR309190001999030409234 5			Agriculture	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Grazing-Related Sources	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Other Urban Runoff	Urban Runoff
Gabilan Creek	CAR309190001999030409234 5			Grazing-Related Sources	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Agriculture	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Other Urban Runoff	Urban Runoff
Gabilan Creek	CAR309190001999030409234 5			Agriculture	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Grazing-Related Sources	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Grazing-Related Sources	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Agriculture	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Other Urban Runoff	Urban Runoff
Gabilan Creek	CAR309190001999030409234 5			Grazing-Related Sources	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Other Urban Runoff	Urban Runoff
Gabilan Creek	CAR309190001999030409234 5			Agriculture	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Other Urban Runoff	Urban Runoff
Gabilan Creek	CAR309190001999030409234 5			Grazing-Related Sources	Agriculture
Gabilan Creek	CAR309190001999030409234 5			Agriculture	Agriculture
Gallighan Slough	CAR305100302008061614505 3	7/19/2007		Source Unknown	Source Unknown
Glen Annie Canyon	CAR315310201999030410273 5			Golf course activities	Recreation Areas And Activities
Glen Annie Canyon	CAR315310201999030410273 5			Grazing-Related Sources	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Other Urban Runoff	Urban Runoff
Glen Annie Canyon	CAR315310201999030410273 5			Agriculture	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Golf course activities	Recreation Areas And Activities
Glen Annie Canyon	CAR315310201999030410273 5			Grazing-Related Sources	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Other Urban Runoff	Urban Runoff
Glen Annie Canyon	CAR315310201999030410273 5			Agriculture	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Natural Sources	Natural Sources
Glen Annie Canyon	CAR315310201999030410273 5			Grazing-Related Sources	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Natural Sources	Natural Sources
Glen Annie Canyon	CAR315310201999030410273 5			Agriculture	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Golf course activities	Recreation Areas And Activities
Glen Annie Canyon	CAR315310201999030410273 5			Other Urban Runoff	Urban Runoff
Glen Annie Canyon	CAR315310201999030410273 5			Agriculture	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Golf course activities	Recreation Areas And Activities
Glen Annie Canyon	CAR315310201999030410273 5			Grazing-Related Sources	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Natural Sources	Natural Sources
Glen Annie Canyon	CAR315310201999030410273 5			Other Urban Runoff	Urban Runoff
Glen Annie Canyon	CAR315310201999030410273 5			Other Urban Runoff	Urban Runoff
Glen Annie Canyon	CAR315310201999030410273 5			Grazing-Related Sources	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Agriculture	Agriculture
Glen Annie Canyon	CAR315310201999030410273 5			Golf course activities	Recreation Areas And Activities

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Glen Annie Canyon	CAR3153102019990304102735			Grazing-Related Sources	Agriculture
Glen Annie Canyon	CAR3153102019990304102735			Other Urban Runoff	Urban Runoff
Glen Annie Canyon	CAR3153102019990304102735			Golf course activities	Recreation Areas And Activities
Glen Annie Canyon	CAR3153102019990304102735			Agriculture	Agriculture
Glen Annie Canyon	CAR3153102019990304102735			Golf course activities	Recreation Areas And Activities
Glen Annie Canyon	CAR3153102019990304102735			Grazing-Related Sources	Agriculture
Glen Annie Canyon	CAR3153102019990304102735			Agriculture	Agriculture
Goleta Slough/Estuary	CAE3153102019981209141309			Source Unknown	Source Unknown
Goleta Slough/Estuary	CAE3153102019981209141309			Urban Runoff/Storm Sewers	Urban Runoff
Goleta Slough/Estuary	CAE3153102019981209141309			Natural Sources	Natural Sources
Goleta Slough/Estuary	CAE3153102019981209141309			Nonpoint Source	Unspecified Nonpoint Source
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Unknown Nonpoint Source	Unspecified Nonpoint Source
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Removal of Riparian Vegetation	Habitat Modification
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Agriculture	Agriculture
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Agriculture	Agriculture
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Unknown Nonpoint Source	Unspecified Nonpoint Source
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Unknown Nonpoint Source	Unspecified Nonpoint Source
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Removal of Riparian Vegetation	Habitat Modification
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Agriculture	Agriculture
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Unknown Nonpoint Source	Unspecified Nonpoint Source
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Agriculture	Agriculture
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Removal of Riparian Vegetation	Habitat Modification
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Removal of Riparian Vegetation	Habitat Modification
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Agriculture	Agriculture
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Unknown Nonpoint Source	Unspecified Nonpoint Source
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Removal of Riparian Vegetation	Habitat Modification
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Agriculture	Agriculture
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Unknown Nonpoint Source	Unspecified Nonpoint Source
Greene Valley Creek (Santa Barbara County)	CAR3121003020080611165954			Agriculture	Agriculture
Hanson Slough	CAR3051003020080616145237	7/19/2007		Source Unknown	Source Unknown
Harkins Slough	CAR3051001320080603122917			Source Unknown	Source Unknown
Harkins Slough	CAR3051001320080603122917			Source Unknown	Source Unknown
Harkins Slough	CAR3051001320080603122917	7/19/2007		Source Unknown	Source Unknown
Hernandez Reservoir	CAL3055001619980828154910	6/3/2004	For 2006, mercury was moved by USEPA from the 303(d) list to this being addressed list because of a completed USEPA approved TMDL.	Subsurface Mining	Resource Extraction
Jalama Creek	CAR3151005119990304115034			Grazing-Related Sources	Agriculture
Jalama Creek	CAR3151005119990304115034			Natural Sources	Natural Sources
Jalama Creek	CAR3151005119990304115034			Natural Sources	Natural Sources
Jalama Creek	CAR3151005119990304115034			Grazing-Related Sources	Agriculture
Kings Creek	CAR3041201119990304115830	2/19/2004		Nonpoint Source	Unspecified Nonpoint Source
Kings Creek	CAR3041201119990304115830	2/19/2004		Disturbed Sites (Land Develop.)	Construction/Land Development
Kings Creek	CAR3041201119990304115830	2/19/2004		Erosion/Siltation	Habitat Modification
Kings Creek	CAR3041201119990304115830	2/19/2004		Road Construction	Construction/Land Development
Kings Creek	CAR3041201119990304115830	2/19/2004		Silviculture	Silviculture
Las Tablas Creek	CAR3098129319980825123721			Surface Mining	Resource Extraction
Las Tablas Creek, North Fork	CAR3098129019980828104645			Surface Mining	Resource Extraction
Las Tablas Creek, South Fork	CAR3098129019980828110227			Surface Mining	Resource Extraction
Little Oso Flaco Creek	CAR3121003020080611165546			Source Unknown	Source Unknown
Little Oso Flaco Creek	CAR3121003020080611165546			Groundwater Loadings	Groundwater Related
Little Oso Flaco Creek	CAR3121003020080611165546			Agriculture	Agriculture
Little Oso Flaco Creek	CAR3121003020080611165546			Agriculture	Agriculture
Little Oso Flaco Creek	CAR3121003020080611165546			Agriculture	Agriculture
Llagas Creek (above Chesbro Reservoir)	CAR3052001419980826100148			Source Unknown	Source Unknown
Llagas Creek (above Chesbro Reservoir)	CAR3052001419980826100148			Source Unknown	Source Unknown
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Chlorides is located downstream of confluence with Miller Slough (approximately 1 mile of stream near Southside Drive).	Nonpoint Source	Unspecified Nonpoint Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Chlorides is located downstream of confluence with Miller Slough (approximately 1 mile of stream near Southside Drive).	Point Source	Unspecified Point Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726			Agriculture	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726			Source Unknown	Source Unknown
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726			Source Unknown	Source Unknown
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726			Source Unknown	Source Unknown
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Fecal Coliform is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Nonpoint Source	Unspecified Nonpoint Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Fecal Coliform is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Pasture Grazing-Riparian and/or Upland	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Fecal Coliform is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Natural Sources	Natural Sources
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		This listing was made by USEPA.	Irrigated Crop Production	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		This listing was made by USEPA.	Municipal Point Sources	Municipal Wastewater
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		This listing was made by USEPA.	Agricultural Return Flows	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		This listing was made by USEPA.	Habitat Modification	Habitat Modification
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Irrigated Crop Production	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Agriculture-irrigation tailwater	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Municipal Point Sources	Municipal Wastewater
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Pasture Grazing-Riparian and/or Upland	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Unknown Point Source	Unspecified Point Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Nonpoint Source	Unspecified Nonpoint Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Agriculture	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Agricultural Return Flows	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Urban Runoff/Storm Sewers	Urban Runoff
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Habitat Modification	Habitat Modification
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	10/13/2006	Nutrients Medium 16 Impaired section for Nutrients is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Agriculture-storm runoff	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	5/3/2007	Impaired section for Sediment/Siltation is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Habitat Modification	Habitat Modification
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	5/3/2007	Impaired section for Sediment/Siltation is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Agriculture	Agriculture
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726	5/3/2007	Impaired section for Sediment/Siltation is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Hydromodification	Hydromodification
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Sodium is located downstream of confluence with Miller Slough (approximately 1 mile of stream near Southside Drive).	Nonpoint Source	Unspecified Nonpoint Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Sodium is located downstream of confluence with Miller Slough (approximately 1 mile of stream near Southside Drive).	Source Unknown	Source Unknown
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Total Dissolved Solids is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Nonpoint Source	Unspecified Nonpoint Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726		Impaired section for Total Dissolved Solids is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).	Point Source	Unspecified Point Source
Llagas Creek (below Chesbro Reservoir)	CAR3053002020020319075726			Source Unknown	Source Unknown
Lockhart Gulch	CAR3041204119990304141558			Source Unknown	Source Unknown
Lockhart Gulch	CAR3041204119990304141558			Source Unknown	Source Unknown
Lompico Creek	CAR3041204019980826100810	1/14/2003		Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Lompico Creek	CAR3041204019980826100810	1/14/2003		Nonpoint Source	Unspecified Nonpoint Source
Lompico Creek	CAR3041204019980826100810	1/14/2003		Pasture Grazing-Riparian and/or Upland	Agriculture
Lompico Creek	CAR3041204019980826100810	1/14/2003		Natural Sources	Natural Sources
Lompico Creek	CAR3041204019980826100810			Nonpoint Source	Unspecified Nonpoint Source
Lompico Creek	CAR3041204019980826100810			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Lompico Creek	CAR3041204019980826100810			Natural Sources	Natural Sources
Lompico Creek	CAR3041204019980826100810	2/19/2004		Natural Sources	Natural Sources
Lompico Creek	CAR3041204019980826100810	2/19/2004		Construction/Land Developmen	Construction/Land Development
Los Berros Creek	CAR3103102319990304143314			Source Unknown	Source Unknown
Los Berros Creek	CAR3103102319990304143314			Agriculture	Agriculture
Los Berros Creek	CAR3103102319990304143314			Grazing-Related Sources	Agriculture
Los Berros Creek	CAR3103102319990304143314			Source Unknown	Source Unknown

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Los Berros Creek	CAR310310231999030414331 4			Grazing-Related Sources	Agriculture
Los Berros Creek	CAR310310231999030414331 4			Agriculture	Agriculture
Los Berros Creek	CAR310310231999030414331 4			Agriculture	Agriculture
Los Berros Creek	CAR310310231999030414331 4			Source Unknown	Source Unknown
Los Berros Creek	CAR310310231999030414331 4			Grazing-Related Sources	Agriculture
Los Carneros Creek	CAR315310201999030414365 8			Source Unknown	Source Unknown
Los Carneros Creek	CAR315310201999030414365 8			Source Unknown	Source Unknown
Los Carneros Creek	CAR315310201999030414365 8			Source Unknown	Source Unknown
Los Carneros Creek	CAR315310201999030414365 8			Source Unknown	Source Unknown
Los Carneros Creek	CAR315310201999030414365 8			Source Unknown	Source Unknown
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Source Unknown	Source Unknown
Los Osos Creek	CAR310230121998082610283 3		This listing was made by USEPA.	Urban Runoff/Storm Sewers	Urban Runoff
Los Osos Creek	CAR310230121998082610283 3		This listing was made by USEPA.	Natural Sources	Natural Sources
Los Osos Creek	CAR310230121998082610283 3		This listing was made by USEPA.	Agriculture	Agriculture
Los Osos Creek	CAR310230121998082610283 3		This listing was made by USEPA.	Pasture Grazing-Riparian and/or Upland	Agriculture
Los Osos Creek	CAR310230121998082610283 3	2/4/2005	Impaired Length is below Los Osos Valley Road to Creek Mouth. There is no evidence of impairment at Los Osos Valley Road.	Source Unknown	Source Unknown
Los Osos Creek	CAR310230121998082610283 3	3/1/2005	Impaired Length is below Los Osos Valley Road to Creek Mouth. There is no evidence of impairment at Los Osos Valley Road.	Agriculture	Agriculture
Los Osos Creek	CAR310230121998082610283 3	3/1/2005	Impaired Length is below Los Osos Valley Road to Creek Mouth. There is no evidence of impairment at Los Osos Valley Road.	Other Urban Runoff	Urban Runoff
Los Osos Creek	CAR310230121998082610283 3	3/1/2005	Impaired Length is below Los Osos Valley Road to Creek Mouth. There is no evidence of impairment at Los Osos Valley Road.	Source Unknown	Source Unknown
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Erosion/Siltation	Habitat Modification
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Agriculture	Agriculture
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Irrigated Crop Production	Agriculture
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Hydromodification	Hydromodification
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Dredging	Habitat Modification
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Range Grazing-Riparian and/or Upland	Agriculture
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Channel Erosion	Hydromodification
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Natural Sources	Natural Sources
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Channelization	Hydromodification
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Agriculture-storm runoff	Agriculture
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Removal of Riparian Vegetation	Habitat Modification
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Nonpoint Source	Unspecified Nonpoint Source
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Streambank Modification/Destabilization	Hydromodification
Los Osos Creek	CAR310230121998082610283 3	1/20/2004		Habitat Modification	Habitat Modification
Love Creek	CAR304120211999030414410 4			Erosion/Siltation	Habitat Modification
Love Creek	CAR304120211999030414410 4			Silviculture	Silviculture
Love Creek	CAR304120211999030414410 4			Road Construction	Construction/Land Development
Love Creek	CAR304120211999030414410 4			Agriculture	Agriculture
Love Creek	CAR304120211999030414410 4			Disturbed Sites (Land Develop.)	Construction/Land Development
Love Creek	CAR304120211999030414410 4			Nonpoint Source	Unspecified Nonpoint Source
Main Street Canal	CAR312100302002081911080 3			Removal of Riparian Vegetation	Habitat Modification
Main Street Canal	CAR312100302002081911080 3			Source Unknown	Source Unknown
Main Street Canal	CAR312100302002081911080 3			Illegal dumping	Unpermitted Discharges
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture
Main Street Canal	CAR312100302002081911080 3			Other Urban Runoff	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture
Main Street Canal	CAR312100302002081911080 3			Urban Runoff/Storm Sewers	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture
Main Street Canal	CAR312100302002081911080 3			Other Urban Runoff	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Source Unknown	Source Unknown
Main Street Canal	CAR312100302002081911080 3			Removal of Riparian Vegetation	Habitat Modification
Main Street Canal	CAR312100302002081911080 3			Other Urban Runoff	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture
Main Street Canal	CAR312100302002081911080 3			Other Urban Runoff	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Nonpoint Source	Unspecified Nonpoint Source
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture
Main Street Canal	CAR312100302002081911080 3			Urban Runoff/Storm Sewers	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Removal of Riparian Vegetation	Habitat Modification
Main Street Canal	CAR312100302002081911080 3			Removal of Riparian Vegetation	Habitat Modification
Main Street Canal	CAR312100302002081911080 3			Other Urban Runoff	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Main Street Canal	CAR312100302002081911080 3			Source Unknown	Source Unknown
Main Street Canal	CAR312100302002081911080 3			Removal of Riparian Vegetation	Habitat Modification
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture
Main Street Canal	CAR312100302002081911080 3			Other Urban Runoff	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Source Unknown	Source Unknown
Main Street Canal	CAR312100302002081911080 3			Other Urban Runoff	Urban Runoff
Main Street Canal	CAR312100302002081911080 3			Removal of Riparian Vegetation	Habitat Modification
Main Street Canal	CAR312100302002081911080 3			Agriculture	Agriculture
Majors Creek (Monterey County)	CAR309500422009022614063 9			Source Unknown	Source Unknown
Majors Creek (Monterey County)	CAR309500422009022614063 9			Urban Runoff/Storm Sewers	Urban Runoff
Majors Creek (Monterey County)	CAR309500422009022614063 9			Natural Sources	Natural Sources
Majors Creek (Monterey County)	CAR309500422009022614063 9			Source Unknown	Source Unknown
Majors Creek (Monterey County)	CAR309500422009022614063 9			Urban Runoff/Storm Sewers	Urban Runoff
Majors Creek (Monterey County)	CAR309500422009022614063 9			Source Unknown	Source Unknown
Majors Creek (Monterey County)	CAR309500422009022614063 9			Urban Runoff/Storm Sewers	Urban Runoff
Majors Creek (Monterey County)	CAR309500422009022614063 9			Urban Runoff/Storm Sewers	Urban Runoff
Majors Creek (Monterey County)	CAR309500422009022614063 9			Source Unknown	Source Unknown
Maria Ygnacio Creek	CAR315310202008061216564 8			Source Unknown	Source Unknown
Maria Ygnacio Creek	CAR315310202008061216564 8			Source Unknown	Source Unknown
Maria Ygnacio Creek	CAR315310202008061216564 8			Source Unknown	Source Unknown
Maria Ygnacio Creek	CAR315310202008061216564 8			Source Unknown	Source Unknown
Maria Ygnacio Creek	CAR315310202008061216564 8			Source Unknown	Source Unknown
McEnery Spring	CAR304120412010062021595 3			Source Unknown	Source Unknown
McGowan Ditch	CAR305100302010062022364 4			Source Unknown	Source Unknown
Merrit Ditch	CAR309110102008060415214 7			Source Unknown	Source Unknown
Merrit Ditch	CAR309110102008060415214 7			Agriculture	Agriculture
Merrit Ditch	CAR309110102008060415214 7			Channelization	Hydromodification
Merrit Ditch	CAR309110102008060415214 7			Removal of Riparian Vegetation	Habitat Modification
Merrit Ditch	CAR309110102008060415214 7			Channelization	Hydromodification
Merrit Ditch	CAR309110102008060415214 7			Agriculture	Agriculture
Merrit Ditch	CAR309110102008060415214 7			Removal of Riparian Vegetation	Habitat Modification
Merrit Ditch	CAR309110102008060415214 7			Removal of Riparian Vegetation	Habitat Modification
Merrit Ditch	CAR309110102008060415214 7			Channelization	Hydromodification
Merrit Ditch	CAR309110102008060415214 7			Agriculture	Agriculture
Merrit Ditch	CAR309110102008060415214 7			Agriculture	Agriculture
Merrit Ditch	CAR309110102008060415214 7			Removal of Riparian Vegetation	Habitat Modification
Merrit Ditch	CAR309110102008060415214 7			Source Unknown	Source Unknown
Merrit Ditch	CAR309110102008060415214 7			Channelization	Hydromodification
Merrit Ditch	CAR309110102008060415214 7			Removal of Riparian Vegetation	Habitat Modification
Merrit Ditch	CAR309110102008060415214 7			Agriculture	Agriculture
Merrit Ditch	CAR309110102008060415214 7			Channelization	Hydromodification
Merrit Ditch	CAR309110102008060415214 7			Agriculture	Agriculture
Millers Canal	CAR305300202008060317100 0			Agriculture	Agriculture
Millers Canal	CAR305300202008060317100 0			Source Unknown	Source Unknown
Millers Canal	CAR305300202008060317100 0			Channelization	Hydromodification
Millers Canal	CAR305300202008060317100 0			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR305300202008060317100 0			Grazing-Related Sources	Agriculture
Millers Canal	CAR305300202008060317100 0			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR305300202008060317100 0			Grazing-Related Sources	Agriculture
Millers Canal	CAR305300202008060317100 0			Channelization	Hydromodification
Millers Canal	CAR305300202008060317100 0			Source Unknown	Source Unknown
Millers Canal	CAR305300202008060317100 0			Agriculture	Agriculture
Millers Canal	CAR305300202008060317100 0			Agriculture	Agriculture
Millers Canal	CAR305300202008060317100 0			Channelization	Hydromodification
Millers Canal	CAR305300202008060317100 0			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR305300202008060317100 0			Grazing-Related Sources	Agriculture
Millers Canal	CAR305300202008060317100 0			Source Unknown	Source Unknown
Millers Canal	CAR305300202008060317100 0			Grazing-Related Sources	Agriculture
Millers Canal	CAR305300202008060317100 0			Channelization	Hydromodification
Millers Canal	CAR305300202008060317100 0			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR305300202008060317100 0			Agriculture	Agriculture
Millers Canal	CAR305300202008060317100 0			Source Unknown	Source Unknown

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Millers Canal	CAR3053002020080603171000			Agriculture	Agriculture
Millers Canal	CAR3053002020080603171000			Grazing-Related Sources	Agriculture
Millers Canal	CAR3053002020080603171000			Channelization	Hydromodification
Millers Canal	CAR3053002020080603171000			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR3053002020080603171000			Source Unknown	Source Unknown
Millers Canal	CAR3053002020080603171000			Agriculture	Agriculture
Millers Canal	CAR3053002020080603171000			Channelization	Hydromodification
Millers Canal	CAR3053002020080603171000			Grazing-Related Sources	Agriculture
Millers Canal	CAR3053002020080603171000			Source Unknown	Source Unknown
Millers Canal	CAR3053002020080603171000			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR3053002020080603171000			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR3053002020080603171000			Source Unknown	Source Unknown
Millers Canal	CAR3053002020080603171000			Grazing-Related Sources	Agriculture
Millers Canal	CAR3053002020080603171000			Agriculture	Agriculture
Millers Canal	CAR3053002020080603171000			Channelization	Hydromodification
Millers Canal	CAR3053002020080603171000			Agriculture	Agriculture
Millers Canal	CAR3053002020080603171000			Removal of Riparian Vegetation	Habitat Modification
Millers Canal	CAR3053002020080603171000			Source Unknown	Source Unknown
Millers Canal	CAR3053002020080603171000			Grazing-Related Sources	Agriculture
Millers Canal	CAR3053002020080603171000			Channelization	Hydromodification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Transient encampments	Miscellaneous
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Urban Runoff/Storm Sewers	Urban Runoff
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Habitat Modification	Habitat Modification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Hydromodification	Hydromodification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Habitat Modification	Habitat Modification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Transient encampments	Miscellaneous
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Hydromodification	Hydromodification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Urban Runoff/Storm Sewers	Urban Runoff
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Hydromodification	Hydromodification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Removal of Riparian Vegetation	Habitat Modification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Habitat Modification	Habitat Modification
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Source Unknown	Source Unknown
Mission Creek (Santa Barbara County)	CAR3153201119980826110307			Urban Runoff/Storm Sewers	Urban Runoff
Monterey Harbor	CAB3091201419980827160747			Railroad Slag Pile	Resource Extraction
Monterey Harbor	CAB3091201419980827160747			Source Unknown	Source Unknown
Moore Creek	CAR3041103120080602125209			Source Unknown	Source Unknown
Moore Creek	CAR3041103120080602125209			Source Unknown	Source Unknown
Moore Creek	CAR3041103120080602125209			Source Unknown	Source Unknown
Moore Creek	CAR3041103120080602125209			Source Unknown	Source Unknown
Moro Cojo Slough	CAE3060001519981209132246			Agriculture	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Boat Discharges/Vessel Wastes	Marinas And Recreational Boating
Moro Cojo Slough	CAE3060001519981209132246			Grazing-Related Sources	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Source Unknown	Source Unknown
Moro Cojo Slough	CAE3060001519981209132246			Grazing-Related Sources	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Natural Sources	Natural Sources
Moro Cojo Slough	CAE3060001519981209132246			Agriculture	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Boat Discharges/Vessel Wastes	Marinas And Recreational Boating
Moro Cojo Slough	CAE3060001519981209132246			Source Unknown	Source Unknown
Moro Cojo Slough	CAE3060001519981209132246			Source Unknown	Source Unknown
Moro Cojo Slough	CAE3060001519981209132246			Grazing-Related Sources	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Source Unknown	Source Unknown
Moro Cojo Slough	CAE3060001519981209132246			Removal of Riparian Vegetation	Habitat Modification
Moro Cojo Slough	CAE3060001519981209132246			Agriculture	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Nonpoint Source	Unspecified Nonpoint Source
Moro Cojo Slough	CAE3060001519981209132246			Construction/Land Development	Construction/Land Development
Moro Cojo Slough	CAE3060001519981209132246			Agriculture	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Source Unknown	Source Unknown
Moro Cojo Slough	CAE3060001519981209132246			Boat Discharges/Vessel Wastes	Marinas And Recreational Boating
Moro Cojo Slough	CAE3060001519981209132246			Grazing-Related Sources	Agriculture
Moro Cojo Slough	CAE3060001519981209132246			Natural Sources	Natural Sources
Moro Cojo Slough	CAE3060001519981209132246			Source Unknown	Source Unknown
Moro Cojo Slough	CAE3060001519981209132246			Removal of Riparian Vegetation	Habitat Modification

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Moro Cojo Slough	CAE306000151998120913224 6			Agriculture	Agriculture
Morro Bay	CAB310220121998082714150 6			Source Unknown	Source Unknown
Morro Bay	CAB310220121998082714150 6	1/20/2004		Septage Disposal	Waste Storage And Disposal
Morro Bay	CAB310220121998082714150 6	1/20/2004		Natural Sources	Natural Sources
Morro Bay	CAB310220121998082714150 6	1/20/2004		Range Grazing-Upland	Agriculture
Morro Bay	CAB310220121998082714150 6	1/20/2004		Nonpoint Source	Unspecified Nonpoint Source
Morro Bay	CAB310220121998082714150 6	1/20/2004		Urban Runoff/Storm Sewers	Urban Runoff
Morro Bay	CAB310220121998082714150 6	1/20/2004		Agriculture	Agriculture
Morro Bay	CAB310220121998082714150 6	1/20/2004		Channel Erosion	Hydromodification
Morro Bay	CAB310220121998082714150 6	1/20/2004		Irrigated Crop Production	Agriculture
Morro Bay	CAB310220121998082714150 6	1/20/2004		Channelization	Hydromodification
Morro Bay	CAB310220121998082714150 6	1/20/2004		Resource Extraction	Resource Extraction
Morro Bay	CAB310220121998082714150 6	1/20/2004		Construction/Land Developmen	Construction/Land Development
Moss Landing Harbor	CAB306000141998121412113 5			Grazing-Related Sources	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Other Urban Runoff	Urban Runoff
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Grazing-Related Sources	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Other Urban Runoff	Urban Runoff
Moss Landing Harbor	CAB306000141998121412113 5			Source Unknown	Source Unknown
Moss Landing Harbor	CAB306000141998121412113 5			Other Urban Runoff	Urban Runoff
Moss Landing Harbor	CAB306000141998121412113 5			Marinas and Recreational Boating	Marinas And Recreational Boating
Moss Landing Harbor	CAB306000141998121412113 5			Source Unknown	Source Unknown
Moss Landing Harbor	CAB306000141998121412113 5			Dredging	Habitat Modification
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Natural Sources	Natural Sources
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Boat Discharges/Vessel Wastes	Marinas And Recreational Boating
Moss Landing Harbor	CAB306000141998121412113 5			Nonpoint Source	Unspecified Nonpoint Source
Moss Landing Harbor	CAB306000141998121412113 5			Irrigated Crop Production	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Specialty Crop Production	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Boatyards	Marinas And Recreational Boating
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Dredging	Habitat Modification
Moss Landing Harbor	CAB306000141998121412113 5			Grazing-Related Sources	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Marinas and Recreational Boating	Marinas And Recreational Boating
Moss Landing Harbor	CAB306000141998121412113 5			Other Urban Runoff	Urban Runoff
Moss Landing Harbor	CAB306000141998121412113 5			Dredging	Habitat Modification
Moss Landing Harbor	CAB306000141998121412113 5			Erosion/Siltation	Habitat Modification
Moss Landing Harbor	CAB306000141998121412113 5			Channel Erosion	Hydromodification
Moss Landing Harbor	CAB306000141998121412113 5			Nonpoint Source	Unspecified Nonpoint Source
Moss Landing Harbor	CAB306000141998121412113 5			Hydromodification	Hydromodification
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Irrigated Crop Production	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Agriculture-storm runoff	Agriculture
Moss Landing Harbor	CAB306000141998121412113 5			Source Unknown	Source Unknown
Mountain Charlie Gulch	CAR304120402002012416045 4			Road Construction	Construction/Land Development
Mountain Charlie Gulch	CAR304120402002012416045 4			Erosion/Siltation	Habitat Modification
Mountain Charlie Gulch	CAR304120402002012416045 4			Silviculture	Silviculture
Mountain Charlie Gulch	CAR304120402002012416045 4			Nonpoint Source	Unspecified Nonpoint Source
Nacimiento Reservoir	CAL309820001998121417171 1			Surface Mining	Resource Extraction
Nacimiento Reservoir	CAL309820001998121417171 1			Natural Sources	Natural Sources
Nacimiento Reservoir	CAL309820001998121417171 1			Surface Mining	Resource Extraction
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Removal of Riparian Vegetation	Habitat Modification
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Natividad Creek	CAR309110102005053112514 0			Removal of Riparian Vegetation	Habitat Modification
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Natividad Creek	CAR309110102005053112514 0			Removal of Riparian Vegetation	Habitat Modification
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Removal of Riparian Vegetation	Habitat Modification
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Removal of Riparian Vegetation	Habitat Modification
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Other Urban Runoff	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Removal of Riparian Vegetation	Habitat Modification
Natividad Creek	CAR309110102005053112514 0			Urban Runoff/Storm Sewers	Urban Runoff
Natividad Creek	CAR309110102005053112514 0			Grazing-Related Sources	Agriculture
Natividad Creek	CAR309110102005053112514 0			Agriculture	Agriculture
Newell Creek (Lower)	CAR304120312002021917075 2			Source Unknown	Source Unknown
Newell Creek (Upper)	CAR304120312002012411580 8			Silviculture	Silviculture
Newell Creek (Upper)	CAR304120312002012411580 8			Disturbed Sites (Land Develop.)	Construction/Land Development
Newell Creek (Upper)	CAR304120312002012411580 8			Channel Erosion	Hydromodification
Newell Creek (Upper)	CAR304120312002012411580 8			Nonpoint Source	Unspecified Nonpoint Source
Newell Creek (Upper)	CAR304120312002012411580 8			Road Construction	Construction/Land Development
Newell Creek (Upper)	CAR304120312002012411580 8			Erosion/Siltation	Habitat Modification
Newell Creek (Upper)	CAR304120312002012411580 8			Agriculture	Agriculture
Nipomo Creek	CAR312100112001112912491 1			Grazing-Related Sources	Agriculture
Nipomo Creek	CAR312100112001112912491 1			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Nipomo Creek	CAR312100112001112912491 1			Urban Runoff/Storm Sewers	Urban Runoff
Nipomo Creek	CAR312100112001112912491 1			Natural Sources	Natural Sources
Nipomo Creek	CAR312100112001112912491 1			Agriculture	Agriculture
Nipomo Creek	CAR312100112001112912491 1			Collection System Failure	Municipal Wastewater
Nipomo Creek	CAR312100112001112912491 1			Grazing-Related Sources	Agriculture
Nipomo Creek	CAR312100112001112912491 1			Agriculture	Agriculture
Nipomo Creek	CAR312100112001112912491 1			Urban Runoff/Storm Sewers	Urban Runoff
Nipomo Creek	CAR312100112001112912491 1			Other Urban Runoff	Urban Runoff
Nipomo Creek	CAR312100112001112912491 1			Grazing-Related Sources	Agriculture
Nipomo Creek	CAR312100112001112912491 1			Removal of Riparian Vegetation	Habitat Modification
Nipomo Creek	CAR312100112001112912491 1			Agriculture	Agriculture
Nobel Gulch Creek	CAR304130142008060312212 7			Source Unknown	Source Unknown
North Main Street Channel	CAR312100302008062011104 5			Source Unknown	Source Unknown
Old Salinas River	CAR309110102008061114551 8			Removal of Riparian Vegetation	Habitat Modification
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Dredging	Habitat Modification
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Marinas and Recreational Boating	Marinas And Recreational Boating
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Natural Sources	Natural Sources
Old Salinas River	CAR309110102008061114551 8			Natural Sources	Natural Sources
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Marinas and Recreational Boating	Marinas And Recreational Boating
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Removal of Riparian Vegetation	Habitat Modification

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Marinas and Recreational Boating	Marinas And Recreational Boating
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Other Urban Runoff	Urban Runoff
Old Salinas River	CAR309110102008061114551 8			Agriculture	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Agriculture	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Agriculture-irrigation tailwater	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Irrigated Crop Production	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Nonpoint Source	Unspecified Nonpoint Source
Old Salinas River Estuary	CAE306000141998121414380 7			Agricultural Return Flows	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Agriculture	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Agriculture-storm runoff	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Agriculture-irrigation tailwater	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Irrigated Crop Production	Agriculture
Old Salinas River Estuary	CAE306000141998121414380 7			Nonpoint Source	Unspecified Nonpoint Source
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Grazing-Related Sources	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8		This listing was made by USEPA.	Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8		This listing was made by USEPA.	Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Source Unknown	Source Unknown
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Source Unknown	Source Unknown
Orcutt Creek	CAR312100302001112915470 8			Source Unknown	Source Unknown
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Source Unknown	Source Unknown
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Source Unknown	Source Unknown
Orcutt Creek	CAR312100302001112915470 8			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Orcutt Creek	CAR312100302001112915470 8			Natural Sources	Natural Sources
Orcutt Creek	CAR312100302001112915470 8			Grazing-Related Sources	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Urban Runoff/Storm Sewers	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Grazing-Related Sources	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Source Unknown	Source Unknown
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Source Unknown	Source Unknown
Orcutt Creek	CAR312100302001112915470 8			Grazing-Related Sources	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Removal of Riparian Vegetation	Habitat Modification
Orcutt Creek	CAR312100302001112915470 8			Grazing-Related Sources	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Removal of Riparian Vegetation	Habitat Modification
Orcutt Creek	CAR312100302001112915470 8			Grazing-Related Sources	Agriculture
Orcutt Creek	CAR312100302001112915470 8			Other Urban Runoff	Urban Runoff
Orcutt Creek	CAR312100302001112915470 8			Removal of Riparian Vegetation	Habitat Modification
Orcutt Creek	CAR312100302001112915470 8			Agriculture	Agriculture
Oso Flaco Creek	CAR312100302002012412214 4			Unknown Nonpoint Source	Unspecified Nonpoint Source
Oso Flaco Creek	CAR312100302002012412214 4			Agriculture	Agriculture
Oso Flaco Creek	CAR312100302002012412214 4			Agriculture	Agriculture
Oso Flaco Creek	CAR312100302002012412214 4			Source Unknown	Source Unknown

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Oso Flaco Creek	CAR312100302002012412214 4			Natural Sources	Natural Sources
Oso Flaco Creek	CAR312100302002012412214 4			Agriculture	Agriculture
Oso Flaco Creek	CAR312100302002012412214 4			Source Unknown	Source Unknown
Oso Flaco Creek	CAR312100302002012412214 4			Groundwater Loadings	Groundwater Related
Oso Flaco Creek	CAR312100302002012412214 4			Agriculture	Agriculture
Oso Flaco Creek	CAR312100302002012412214 4			Unknown Nonpoint Source	Unspecified Nonpoint Source
Oso Flaco Creek	CAR312100302002012412214 4			Agriculture	Agriculture
Oso Flaco Creek	CAR312100302002012412214 4			Unknown Nonpoint Source	Unspecified Nonpoint Source
Oso Flaco Creek	CAR312100302002012412214 4			Agriculture	Agriculture
Oso Flaco Creek	CAR312100302002012412214 4			Unknown Nonpoint Source	Unspecified Nonpoint Source
Oso Flaco Creek	CAR312100302002012412214 4			Agriculture	Agriculture
Oso Flaco Lake	CAL312100302001112110254 5			Source Unknown	Source Unknown
Oso Flaco Lake	CAL312100302001112110254 5			Agriculture	Agriculture
Oso Flaco Lake	CAL312100302001112110254 5			Agriculture	Agriculture
Pacheco Creek	CAR305300202002010313374 5			Natural Sources	Natural Sources
Pacheco Creek	CAR305300202002010313374 5			Agriculture	Agriculture
Pacheco Creek	CAR305300202002010313374 5			Grazing-Related Sources	Agriculture
Pacheco Creek	CAR305300202002010313374 5			Grazing-Related Sources	Agriculture
Pacheco Creek	CAR305300202002010313374 5			Natural Sources	Natural Sources
Pacheco Creek	CAR305300202002010313374 5			Agriculture	Agriculture
Pacheco Creek	CAR305300202002010313374 5			Agriculture	Agriculture
Pacheco Creek	CAR305300202002010313374 5			Grazing-Related Sources	Agriculture
Pacific Ocean (Point Ano Nuevo to Soquel Point)	CAO304110222009061208254 4			Other	Source Unknown
Pacific Ocean at Arroyo Burro Beach (Santa Barbara County)	CAX315320102002010715534 7			Source Unknown	Source Unknown
Pacific Ocean at Arroyo Burro Beach (Santa Barbara County)	CAX315320102002010715534 7			Source Unknown	Source Unknown
Pacific Ocean at Avila Beach (Avila Pier)	CAC310240212010040411584 8			Source Unknown	Source Unknown
Pacific Ocean at Avila Beach (Avila Pier)	CAC310240212010040411584 8			Petroleum Activities	Industrial Activities (Oil)
Pacific Ocean at Avila Beach (SLO creek mouth)	CAC310240212010040416222 6			Source Unknown	Source Unknown
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC304130142007061410424 0			Other Urban Runoff	Urban Runoff
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC304130142007061410424 0			Source Unknown	Source Unknown
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC304130142007061410424 0			Natural Sources	Natural Sources
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC304130142007061410424 0			Recreational and Tourism Activities (non-boating)	Recreation Areas And Activities
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC304130142007061410424 0			Natural Sources	Natural Sources
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC304130142007061410424 0			Other Urban Runoff	Urban Runoff
Pacific Ocean at Capitola Beach (Santa Cruz County)	CAC304130142007061410424 0			Source Unknown	Source Unknown
Pacific Ocean at Carpinteria State Beach (Carpinteria Creek mouth, Santa Barbara County)	CAX315340202002100121161 6			Source Unknown	Source Unknown
Pacific Ocean at Cayucos (Cayucos Creek Mouth)	CAC310160102010041417021 7			Source Unknown	Source Unknown
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX315320112002010716011 6			Source Unknown	Source Unknown
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX315320112002010716011 6			Source Unknown	Source Unknown
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX315320112002010716011 6			Agriculture	Agriculture
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX315320112002010716011 6			Unknown Nonpoint Source	Unspecified Nonpoint Source
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX315320112002010716011 6			Urban Runoff/Storm Sewers	Urban Runoff
Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	CAX315320112002010716011 6			Nonpoint Source	Unspecified Nonpoint Source
Pacific Ocean at East Beach (mouth of Sycamore Creek, Santa Barbara County)	CAX315320122002100219384 9			Source Unknown	Source Unknown
Pacific Ocean at Goleta Beach (Santa Barbara County)	CAX315310202002100221123 0			Source Unknown	Source Unknown
Pacific Ocean at Hammonds Beach (Santa Barbara County)	CAX315330102002100221185 8			Source Unknown	Source Unknown
Pacific Ocean at Hammonds Beach (Santa Barbara County)	CAX315330102002100221185 8			Source Unknown	Source Unknown
Pacific Ocean at Haskells Beach (Santa Barbara County)	CAC315100122007032818343 9		This listing was made by USEPA for 2006.	Source Unknown	Source Unknown

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Pacific Ocean at Hope Ranch Beach (Santa Barbara County)	CAX315320102002100221305 3			Source Unknown	Source Unknown
Pacific Ocean at Hope Ranch Beach (Santa Barbara County)	CAX315320102002100221305 3			Source Unknown	Source Unknown
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8			Source Unknown	Source Unknown
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8			Agriculture	Agriculture
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8			Pasture Grazing-Riparian and/or Upland	Agriculture
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8			Natural Sources	Natural Sources
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8			Nonpoint Source	Unspecified Nonpoint Source
Pacific Ocean at Jalama Beach (Santa Barbara County)	CAX315100512002010715560 8			Source Unknown	Source Unknown
Pacific Ocean at Leadbetter Beach (Santa Barbara County)	CAX315320112002100221455 3			Source Unknown	Source Unknown
Pacific Ocean at Ocean Beach (Santa Barbara County)	CAX314100502002100222000 6			Source Unknown	Source Unknown
Pacific Ocean at Ocean Beach (Santa Barbara County)	CAX314100502002100222000 6			Source Unknown	Source Unknown
Pacific Ocean at Olde Port Beach (at restrooms)	CAC310250122010040416421 9			Source Unknown	Source Unknown
Pacific Ocean at Pismo State Beach (San Luis Obispo County), south of Pismo Pier	CAC310260142010062216470 4			Source Unknown	Source Unknown
Pacific Ocean at Point Rincon (mouth of Rincon Cr, Santa Barbara County)	CAX315340122000032613494 1			Source Unknown	Source Unknown
Pacific Ocean at Point Rincon (mouth of Rincon Cr, Santa Barbara County)	CAX315340122000032613494 1			Source Unknown	Source Unknown
Pacific Ocean at Refugio Beach (Santa Barbara County)	CAX315100222002100222143 2			Source Unknown	Source Unknown
Pacific Ocean at Refugio Beach (Santa Barbara County)	CAX315100222002100222143 2			Source Unknown	Source Unknown
Pacific Ocean at Stillwater Cove Beach	CAC309500422004121417473 9			Waste Storage/Storage Tank Leaks (above ground)	Hazardous Waste Sites And Storage
Pajaro River	CAR305100301998082611515 2		Impaired length for Boron is below Main Street (in Watsonville) to the mouth.	Source Unknown	Source Unknown
Pajaro River	CAR305100301998082611515 2		Impaired length for Boron is below Main Street (in Watsonville) to the mouth.	Other Urban Runoff	Urban Runoff
Pajaro River	CAR305100301998082611515 2		Impaired length for Boron is below Main Street (in Watsonville) to the mouth.	Agriculture	Agriculture
Pajaro River	CAR305100301998082611515 2		Impaired length for Boron is below Main Street (in Watsonville) to the mouth.	Saltwater Intrusion	Groundwater Related
Pajaro River	CAR305100301998082611515 2			Source Unknown	Source Unknown
Pajaro River	CAR305100301998082611515 2			Other Urban Runoff	Urban Runoff
Pajaro River	CAR305100301998082611515 2			Saltwater Intrusion	Groundwater Related
Pajaro River	CAR305100301998082611515 2			Natural Sources	Natural Sources
Pajaro River	CAR305100301998082611515 2			Agriculture	Agriculture
Pajaro River	CAR305100301998082611515 2			Other Urban Runoff	Urban Runoff
Pajaro River	CAR305100301998082611515 2			Agriculture	Agriculture
Pajaro River	CAR305100301998082611515 2			Source Unknown	Source Unknown
Pajaro River	CAR305100301998082611515 2			Source Unknown	Source Unknown
Pajaro River	CAR305100301998082611515 2			Transient encampments	Miscellaneous
Pajaro River	CAR305100301998082611515 2			Urban Runoff/Storm Sewers	Urban Runoff
Pajaro River	CAR305100301998082611515 2			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Pajaro River	CAR305100301998082611515 2			Pasture Grazing-Riparian and/or Upland	Agriculture
Pajaro River	CAR305100301998082611515 2			Collection System Failure	Municipal Wastewater
Pajaro River	CAR305100301998082611515 2			Natural Sources	Natural Sources
Pajaro River	CAR305100301998082611515 2		Impaired reach is changed from 2006 to include the entire Pajaro River.	Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Pajaro River	CAR305100301998082611515 2		Impaired reach is changed from 2006 to include the entire Pajaro River.	Collection System Failure	Municipal Wastewater
Pajaro River	CAR305100301998082611515 2		Impaired reach is changed from 2006 to include the entire Pajaro River.	Natural Sources	Natural Sources
Pajaro River	CAR305100301998082611515 2		Impaired reach is changed from 2006 to include the entire Pajaro River.	Urban Runoff/Storm Sewers	Urban Runoff
Pajaro River	CAR305100301998082611515 2		Impaired reach is changed from 2006 to include the entire Pajaro River.	Pasture Grazing-Riparian and/or Upland	Agriculture
Pajaro River	CAR305100301998082611515 2		Impaired reach is changed from 2006 to include the entire Pajaro River.	Transient encampments	Miscellaneous
Pajaro River	CAR305100301998082611515 2			Grazing-Related Sources	Agriculture
Pajaro River	CAR305100301998082611515 2			Other Urban Runoff	Urban Runoff
Pajaro River	CAR305100301998082611515 2			Removal of Riparian Vegetation	Habitat Modification
Pajaro River	CAR305100301998082611515 2			Unknown Nonpoint Source	Unspecified Nonpoint Source
Pajaro River	CAR305100301998082611515 2			Agriculture	Agriculture
Pajaro River	CAR305100301998082611515 2	10/13/2006	In 2006, Nitrate was added by USEPA to this being addressed list because of a completed USEPA approved TMDL for Nutrients.	Urban Runoff/Storm Sewers	Urban Runoff

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Pajaro River	CAR3051003019980826115152	10/13/2006	In 2006, Nitrate was added by USEPA to this being addressed list because of a completed USEPA approved TMDL for Nutrients.	Agriculture	Agriculture
Pajaro River	CAR3051003019980826115152	10/13/2006		Urban Runoff/Storm Sewers	Urban Runoff
Pajaro River	CAR3051003019980826115152	10/13/2006		Channelization	Hydromodification
Pajaro River	CAR3051003019980826115152	10/13/2006		Agriculture-irrigation tailwater	Agriculture
Pajaro River	CAR3051003019980826115152	10/13/2006		Nonpoint Source	Unspecified Nonpoint Source
Pajaro River	CAR3051003019980826115152	10/13/2006		Agriculture-subsurface drainage	Agriculture
Pajaro River	CAR3051003019980826115152	10/13/2006		Wastewater - land disposal	Waste Storage And Disposal
Pajaro River	CAR3051003019980826115152	10/13/2006		Agriculture	Agriculture
Pajaro River	CAR3051003019980826115152	10/13/2006		Agricultural Return Flows	Agriculture
Pajaro River	CAR3051003019980826115152	10/13/2006		Irrigated Crop Production	Agriculture
Pajaro River	CAR3051003019980826115152	10/13/2006		Agriculture-storm runoff	Agriculture
Pajaro River	CAR3051003019980826115152	10/13/2006		Removal of Riparian Vegetation	Habitat Modification
Pajaro River	CAR3051003019980826115152			Source Unknown	Source Unknown
Pajaro River	CAR3051003019980826115152	5/3/2007		Surface Mining	Resource Extraction
Pajaro River	CAR3051003019980826115152	5/3/2007		Silviculture	Silviculture
Pajaro River	CAR3051003019980826115152	5/3/2007		Grazing-Related Sources	Agriculture
Pajaro River	CAR3051003019980826115152	5/3/2007		Streambank Modification/Destabilization	Hydromodification
Pajaro River	CAR3051003019980826115152	5/3/2007		Highway/Road/Bridge Runoff	Other Runoff
Pajaro River	CAR3051003019980826115152	5/3/2007		Agriculture	Agriculture
Pajaro River	CAR3051003019980826115152	5/3/2007		Urban Runoff/Storm Sewers	Urban Runoff
Pajaro River	CAR3051003019980826115152			Other Urban Runoff	Urban Runoff
Pajaro River	CAR3051003019980826115152			Agriculture	Agriculture
Pajaro River	CAR3051003019980826115152			Natural Sources	Natural Sources
Pajaro River	CAR3051003019980826115152			Saltwater Intrusion	Groundwater Related
Pajaro River	CAR3051003019980826115152			Unknown Nonpoint Source	Unspecified Nonpoint Source
Pajaro River	CAR3051003019980826115152			Other Urban Runoff	Urban Runoff
Pajaro River	CAR3051003019980826115152			Removal of Riparian Vegetation	Habitat Modification
Pajaro River	CAR3051003019980826115152			Grazing-Related Sources	Agriculture
Pajaro River	CAR3051003019980826115152			Agriculture	Agriculture
Pajaro River	CAR3051003019980826115152			Source Unknown	Source Unknown
Pennington Creek	CAR3102201120020124123809		For 2006, fecal coliform was moved by USEPA from the being addressed list back to the 303(d) list pending completion and USEPA approval of a TMDL.	Source Unknown	Source Unknown
Pico Creek	CAR3101302020020124125005		Impaired section for low dissolved oxygen is located between the creek mouth and the top of the lagoon (approximately 1/2 mile).	Grazing-Related Sources	Agriculture
Pico Creek	CAR3101302020020124125005		Impaired section for low dissolved oxygen is located between the creek mouth and the top of the lagoon (approximately 1/2 mile).	Source Unknown	Source Unknown
Pico Creek	CAR3101302020020124125005		Impaired section for low dissolved oxygen is located between the creek mouth and the top of the lagoon (approximately 1/2 mile).	Natural Sources	Natural Sources
Pinto Lake	CAL3051003020020124122807			Agriculture	Agriculture
Pinto Lake	CAL3051003020020124122807			Nurseries	Agriculture
Pinto Lake	CAL3051003020020124122807			Groundwater Loadings	Groundwater Related
Pinto Lake	CAL3051003020020124122807			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Pinto Lake	CAL3051003020020124122807			Agriculture	Agriculture
Pinto Lake	CAL3051003020020124122807			Nurseries	Agriculture
Pinto Lake	CAL3051003020020124122807			Septage Disposal	Waste Storage And Disposal
Pinto Lake	CAL3051003020020124122807			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Pinto Lake	CAL3051003020020124122807			Agriculture	Agriculture
Pinto Lake	CAL3051003020020124122807			Nurseries	Agriculture
Pinto Lake	CAL3051003020020124122807			Groundwater Loadings	Groundwater Related
Pinto Lake	CAL3051003020020124122807			Agriculture	Agriculture
Pinto Lake	CAL3051003020020124122807			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Pinto Lake	CAL3051003020020124122807			Urban Runoff/Storm Sewers	Urban Runoff
Pinto Lake	CAL3051003020020124122807			Nurseries	Agriculture
Pinto Lake	CAL3051003020020124122807			Nurseries	Agriculture
Pinto Lake	CAL3051003020020124122807			Other Urban Runoff	Urban Runoff
Pinto Lake	CAL3051003020020124122807			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Pinto Lake	CAL3051003020020124122807			Agriculture	Agriculture
Pismo Creek	CAR3102601420020124125144			Grazing-Related Sources	Agriculture
Pismo Creek	CAR3102601420020124125144			Natural Sources	Natural Sources
Pismo Creek	CAR3102601420020124125144			Transient encampments	Miscellaneous
Pismo Creek	CAR3102601420020124125144			Resource Extraction	Resource Extraction
Pismo Creek	CAR3102601420020124125144			Agriculture	Agriculture
Pismo Creek	CAR3102601420020124125144			Petroleum Activities	Industrial Activities (Oil)
Pismo Creek	CAR3102601420020124125144			Grazing-Related Sources	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Pismo Creek	CAR3102601420020124125144			Resource Extraction	Resource Extraction
Pismo Creek	CAR3102601420020124125144			Agriculture	Agriculture
Pismo Creek	CAR3102601420020124125144			Natural Sources	Natural Sources
Pismo Creek	CAR3102601420020124125144			Transient encampments	Miscellaneous
Pismo Creek	CAR3102601420020124125144			Petroleum Activities	Industrial Activities (Oil)
Pismo Creek	CAR3102601420020124125144			Resource Extraction	Resource Extraction
Pismo Creek	CAR3102601420020124125144			Agriculture	Agriculture
Pismo Creek	CAR3102601420020124125144			Grazing-Related Sources	Agriculture
Pismo Creek	CAR3102601420020124125144			Natural Sources	Natural Sources
Pismo Creek	CAR3102601420020124125144			Transient encampments	Miscellaneous
Pismo Creek	CAR3102601420020124125144			Natural Sources	Natural Sources
Pismo Creek	CAR3102601420020124125144			Petroleum Activities	Industrial Activities (Oil)
Pismo Creek	CAR3102601420020124125144			Resource Extraction	Resource Extraction
Pismo Creek	CAR3102601420020124125144			Grazing-Related Sources	Agriculture
Pismo Creek	CAR3102601420020124125144			Transient encampments	Miscellaneous
Pismo Creek	CAR3102601420020124125144			Agriculture	Agriculture
Pismo Creek	CAR3102601420020124125144			Agriculture	Agriculture
Pismo Creek	CAR3102601420020124125144			Grazing-Related Sources	Agriculture
Pismo Creek	CAR3102601420020124125144			Natural Sources	Natural Sources
Pismo Creek	CAR3102601420020124125144			Resource Extraction	Resource Extraction
Pismo Creek	CAR3102601420020124125144			Transient encampments	Miscellaneous
Porter Gulch Creek	CAR3041301320080603122516			Source Unknown	Source Unknown
Porter Gulch Creek	CAR3041301320080603122516			Source Unknown	Source Unknown
Prefumo Creek	CAR3102401220020124125422			Unknown Nonpoint Source	Unspecified Nonpoint Source
Prefumo Creek	CAR3102401220020124125422			Agriculture	Agriculture
Prefumo Creek	CAR3102401220020124125422			Other Urban Runoff	Urban Runoff
Prefumo Creek	CAR3102401220020124125422			Agriculture	Agriculture
Prefumo Creek	CAR3102401220020124125422			Unknown Nonpoint Source	Unspecified Nonpoint Source
Prefumo Creek	CAR3102401220020124125422			Other Urban Runoff	Urban Runoff
Prefumo Creek	CAR3102401220020124125422			Unknown Nonpoint Source	Unspecified Nonpoint Source
Prefumo Creek	CAR3102401220020124125422			Agriculture	Agriculture
Prefumo Creek	CAR3102401220020124125422			Other Urban Runoff	Urban Runoff
Prefumo Creek	CAR3102401220020124125422			Unknown Nonpoint Source	Unspecified Nonpoint Source
Prefumo Creek	CAR3102401220020124125422			Other Urban Runoff	Urban Runoff
Prefumo Creek	CAR3102401220020124125422			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Removal of Riparian Vegetation	Habitat Modification
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Removal of Riparian Vegetation	Habitat Modification
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Removal of Riparian Vegetation	Habitat Modification
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Removal of Riparian Vegetation	Habitat Modification
Quail Creek	CAR3091900020011227140647			Agriculture	Agriculture
Quail Creek	CAR3091900020011227140647			Grazing-Related Sources	Agriculture
Quail Creek	CAR3091900020011227140647			Nurseries	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Rider Creek	CAR305100101998120710023 4	5/3/2007		Construction/Land Developmen	Construction/Land Development
Rider Creek	CAR305100101998120710023 4	5/3/2007		Agriculture	Agriculture
Rider Creek	CAR305100101998120710023 4	5/3/2007		Silviculture	Silviculture
Rincon Creek	CAR315340122002012413052 8			Natural Sources	Natural Sources
Rincon Creek	CAR315340122002012413052 8			Agriculture	Agriculture
Rincon Creek	CAR315340122002012413052 8			Source Unknown	Source Unknown
Rincon Creek	CAR315340122002012413052 8			Source Unknown	Source Unknown
Rincon Creek	CAR315340122002012413052 8			Other Urban Runoff	Urban Runoff
Rincon Creek	CAR315340122002012413052 8			Natural Sources	Natural Sources
Rincon Creek	CAR315340122002012413052 8			Agriculture	Agriculture
Rincon Creek	CAR315340122002012413052 8			Other Urban Runoff	Urban Runoff
Rincon Creek	CAR315340122002012413052 8			Agriculture	Agriculture
Rincon Creek	CAR315340122002012413052 8			Natural Sources	Natural Sources
Rincon Creek	CAR315340122002012413052 8			Agriculture	Agriculture
Rincon Creek	CAR315340122002012413052 8			Other Urban Runoff	Urban Runoff
Rincon Creek	CAR315340122002012413052 8			Natural Sources	Natural Sources
Rincon Creek	CAR315340122002012413052 8			Land Development	Construction/Land Development
Rincon Creek	CAR315340122002012413052 8			Agriculture	Agriculture
Rincon Creek	CAR315340122002012413052 8			Other Urban Runoff	Urban Runoff
Rincon Creek	CAR315340122002012413052 8			Other Urban Runoff	Urban Runoff
Rincon Creek	CAR315340122002012413052 8			Land Development	Construction/Land Development
Rincon Creek	CAR315340122002012413052 8			Agriculture	Agriculture
Rincon Creek	CAR315340122002012413052 8			Natural Sources	Natural Sources
Rodeo Creek Gulch	CAR304130142002012413124 2			Source Unknown	Source Unknown
Rodeo Creek Gulch	CAR304130142002012413124 2			Source Unknown	Source Unknown
Romero Creek	CAR315330112008061217070 0			Natural Sources	Natural Sources
Romero Creek	CAR315330112008061217070 0			Other Urban Runoff	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Natural Sources	Natural Sources
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Natural Sources	Natural Sources
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Removal of Riparian Vegetation	Habitat Modification
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Irrigated Crop Production	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Minor Industrial Point Source	Industrial Wastewater
Salinas Reclamation Canal	CAR309110101998082811222 9			Agricultural Return Flows	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Nonpoint Source	Unspecified Nonpoint Source
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture-irrigation tailwater	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture-storm runoff	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Minor Industrial Point Source	Industrial Wastewater
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture-irrigation tailwater	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Agricultural Return Flows	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Source Unknown	Source Unknown
Salinas Reclamation Canal	CAR309110101998082811222 9			Irrigated Crop Production	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture-storm runoff	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Nonpoint Source	Unspecified Nonpoint Source
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Removal of Riparian Vegetation	Habitat Modification
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Removal of Riparian Vegetation	Habitat Modification
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Removal of Riparian Vegetation	Habitat Modification
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Non-industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Grazing-Related Sources	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff--Industrial Permitted	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Agriculture	Agriculture
Salinas Reclamation Canal	CAR309110101998082811222 9			Urban Runoff/Storm Sewers	Urban Runoff
Salinas Reclamation Canal	CAR309110101998082811222 9			Removal of Riparian Vegetation	Habitat Modification
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Natural Sources	Natural Sources

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Other Urban Runoff	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Other Urban Runoff	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Other Urban Runoff	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2		Impaired length for conductivity is from Del Monte Road to the River Mouth.	Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Illegal dumping	Unpermitted Discharges
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Natural Sources	Natural Sources
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Urban Runoff/Storm Sewers	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Pasture Grazing-Riparian and/or Upland	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Transient encampments	Miscellaneous
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Natural Sources	Natural Sources
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Transient encampments	Miscellaneous
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Urban Runoff/Storm Sewers	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Pasture Grazing-Riparian and/or Upland	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Illegal dumping	Unpermitted Discharges

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Transient encampments	Miscellaneous
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Natural Sources	Natural Sources
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Pasture Grazing-Riparian and/or Upland	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Urban Runoff/Storm Sewers	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Illegal dumping	Unpermitted Discharges
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Urban Runoff/Storm Sewers	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Construction/Land Developmen	Construction/Land Development
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Urban Runoff/Storm Sewers	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Point Source	Unspecified Point Source
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Other Urban Runoff	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Agriculture	Agriculture
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Other Urban Runoff	Urban Runoff
Salinas River (lower, estuary to near Gonzales R crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Grazing-Related Sources	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Salinas River (lower, estuary to near Gonzales Rd crossing, watersheds 30910 and 30920)	CAR309110102002100719310 2			Source Unknown	Source Unknown
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Grazing-Related Sources	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Natural Sources	Natural Sources
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Other Urban Runoff	Urban Runoff
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Land Development	Construction/Land Development
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Agriculture	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Grazing-Related Sources	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Natural Sources	Natural Sources
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Other Urban Runoff	Urban Runoff
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Agriculture	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1		Area affected is the lower 20 miles of the middle Salinas River.	Agriculture	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1		Area affected is the lower 20 miles of the middle Salinas River.	Nonpoint Source	Unspecified Nonpoint Source
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1		Area affected is the lower 20 miles of the middle Salinas River.	Agriculture-storm runoff	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1		Area affected is the lower 20 miles of the middle Salinas River.	Irrigated Crop Production	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1		Area affected is the lower 20 miles of the middle Salinas River.	Agriculture-irrigation tailwater	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1		Area affected is the lower 20 miles of the middle Salinas River.	Agricultural Return Flows	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Natural Sources	Natural Sources
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Agriculture	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Other Urban Runoff	Urban Runoff
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Grazing-Related Sources	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Other Urban Runoff	Urban Runoff
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Grazing-Related Sources	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Agriculture	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Other Urban Runoff	Urban Runoff
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Grazing-Related Sources	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Agriculture	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Other Urban Runoff	Urban Runoff
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Natural Sources	Natural Sources
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Grazing-Related Sources	Agriculture
Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	CAR309110102002031909261 1			Agriculture	Agriculture
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Agriculture	Agriculture
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Pasture Grazing-Riparian and/or Upland	Agriculture
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Urban Runoff/Storm Sewers	Urban Runoff
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Pasture Grazing-Riparian and/or Upland	Agriculture

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Agriculture	Agriculture
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Urban Runoff/Storm Sewers	Urban Runoff
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Natural Sources	Natural Sources
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Other Urban Runoff	Urban Runoff
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Grazing-Related Sources	Agriculture
Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	CAR309811772002031911222 6			Agriculture	Agriculture
Salinas River Lagoon (North)	CAE309110101998082814323 2			Nonpoint Source	Unspecified Nonpoint Source
Salinas River Lagoon (North)	CAE309110101998082814323 2			Agriculture	Agriculture
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0			Land Development	Construction/Land Development
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0			Other Urban Runoff	Urban Runoff
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0			Agriculture	Agriculture
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0			Other Urban Runoff	Urban Runoff
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0			Natural Sources	Natural Sources
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0			Land Development	Construction/Land Development
Salinas River Refuge Lagoon (South)	CAE309110101998120912580 0			Agriculture	Agriculture
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9			Agriculture	Agriculture
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9			Grazing-Related Sources	Agriculture
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9			Natural Sources	Natural Sources
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9			Natural Sources	Natural Sources
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9			Agriculture	Agriculture
Salsipuedes Creek (Santa Barbara County)	CAR314200232008061215415 9			Grazing-Related Sources	Agriculture
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Transient encampments	Miscellaneous
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Other Urban Runoff	Urban Runoff
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Natural Sources	Natural Sources
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Agriculture	Agriculture
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Transient encampments	Miscellaneous
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Agriculture	Agriculture
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Other Urban Runoff	Urban Runoff
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Natural Sources	Natural Sources
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Removal of Riparian Vegetation	Habitat Modification
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Other Urban Runoff	Urban Runoff
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Agriculture	Agriculture
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Removal of Riparian Vegetation	Habitat Modification
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Other Urban Runoff	Urban Runoff
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Agriculture	Agriculture
Salsipuedes Creek (Santa Cruz County)	CAR305100302008060312352 2			Source Unknown	Source Unknown
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9			Source Unknown	Source Unknown
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9			Agriculture	Agriculture
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9		This listing was made by USEPA.	Natural Sources	Natural Sources
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9			Natural Sources	Natural Sources
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9			Agriculture	Agriculture
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9			Source Unknown	Source Unknown
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR313000102002091821104 9			Agriculture	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Natural Sources	Natural Sources
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Source Unknown	Source Unknown
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Agriculture	Agriculture
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Natural Sources	Natural Sources
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Source Unknown	Source Unknown
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Agriculture	Agriculture
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Agriculture	Agriculture
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Source Unknown	Source Unknown
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Source Unknown	Source Unknown
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Natural Sources	Natural Sources
San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	CAR3130001020020918211049			Agriculture	Agriculture
San Antonio Reservoir	CAL3098300020080114173957			Source Unknown	Source Unknown
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629			Natural Sources	Natural Sources
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629			Source Unknown	Source Unknown
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629			Source Unknown	Source Unknown
San Antonio River (below San Antonio Reservoir)	CAR3098100520080114174629			Natural Sources	Natural Sources
San Benito River	CAR3053002019981207091641			Source Unknown	Source Unknown
San Benito River	CAR3053002019981207091641			Natural Sources	Natural Sources
San Benito River	CAR3053002019981207091641			Resource Extraction	Resource Extraction
San Benito River	CAR3053002019981207091641			Grazing-Related Sources	Agriculture
San Benito River	CAR3053002019981207091641			Other Urban Runoff	Urban Runoff
San Benito River	CAR3053002019981207091641			Agriculture	Agriculture
San Benito River	CAR3053002019981207091641			Agriculture	Agriculture
San Benito River	CAR3053002019981207091641			Other Urban Runoff	Urban Runoff
San Benito River	CAR3053002019981207091641			Resource Extraction	Resource Extraction
San Benito River	CAR3053002019981207091641			Grazing-Related Sources	Agriculture
San Benito River	CAR3053002019981207091641			Source Unknown	Source Unknown
San Benito River	CAR3053002019981207091641			Natural Sources	Natural Sources
San Benito River	CAR3053002019981207091641			Grazing-Related Sources	Agriculture
San Benito River	CAR3053002019981207091641			Other Urban Runoff	Urban Runoff
San Benito River	CAR3053002019981207091641			Agriculture	Agriculture
San Benito River	CAR3053002019981207091641			Natural Sources	Natural Sources
San Benito River	CAR3053002019981207091641			Natural Sources	Natural Sources
San Benito River	CAR3053002019981207091641			Other Urban Runoff	Urban Runoff
San Benito River	CAR3053002019981207091641			Agriculture	Agriculture
San Benito River	CAR3053002019981207091641			Source Unknown	Source Unknown
San Benito River	CAR3053002019981207091641	5/3/2007		Source Unknown	Source Unknown
San Benito River	CAR3053002019981207091641			Other Urban Runoff	Urban Runoff
San Benito River	CAR3053002019981207091641			Source Unknown	Source Unknown
San Benito River	CAR3053002019981207091641			Resource Extraction	Resource Extraction
San Benito River	CAR3053002019981207091641			Natural Sources	Natural Sources
San Benito River	CAR3053002019981207091641			Grazing-Related Sources	Agriculture
San Benito River	CAR3053002019981207091641			Agriculture	Agriculture
San Benito River	CAR3053002019981207091641			Natural Sources	Natural Sources
San Bernardo Creek	CAR3102201220020124134314		For 2006, fecal coliform was moved by USEPA from the being addressed list back to the 303(d) list pending completion and USEPA approval of a TMDL.	Source Unknown	Source Unknown
San Jose Creek (Santa Barbara County)	CAR3153101020080613155318			Industrial Point Sources	Industrial Wastewater

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Channelization	Hydromodification
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Other Urban Runoff	Urban Runoff
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Industrial Point Sources	Industrial Wastewater
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Channelization	Hydromodification
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Other Urban Runoff	Urban Runoff
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Natural Sources	Natural Sources
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Other Urban Runoff	Urban Runoff
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Industrial Point Sources	Industrial Wastewater
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Other Urban Runoff	Urban Runoff
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Natural Sources	Natural Sources
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Industrial Point Sources	Industrial Wastewater
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Other Urban Runoff	Urban Runoff
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Industrial Point Sources	Industrial Wastewater
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Natural Sources	Natural Sources
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Industrial Point Sources	Industrial Wastewater
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Other Urban Runoff	Urban Runoff
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Channelization	Hydromodification
San Jose Creek (Santa Barbara County)	CAR315310102008061315531 8			Source Unknown	Source Unknown
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Unknown Nonpoint Source	Unspecified Nonpoint Source
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Agriculture	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Natural Sources	Natural Sources
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Grazing-Related Sources	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Grazing-Related Sources	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Natural Sources	Natural Sources
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Agriculture	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Unknown Nonpoint Source	Unspecified Nonpoint Source
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Agriculture	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Grazing-Related Sources	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Unknown Nonpoint Source	Unspecified Nonpoint Source
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Unknown Nonpoint Source	Unspecified Nonpoint Source
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Agriculture	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Grazing-Related Sources	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Source Unknown	Source Unknown
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Agriculture	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Removal of Riparian Vegetation	Habitat Modification
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Agriculture	Agriculture
San Juan Creek (San Benito County)	CAR305200502009020400195 8			Unknown Nonpoint Source	Unspecified Nonpoint Source
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Source Unknown	Source Unknown
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Natural Sources	Natural Sources
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Grazing-Related Sources	Agriculture
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Source Unknown	Source Unknown
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Natural Sources	Natural Sources
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Grazing-Related Sources	Agriculture
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Natural Sources	Natural Sources
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Natural Sources	Natural Sources
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Grazing-Related Sources	Agriculture
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Grazing-Related Sources	Agriculture
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Natural Sources	Natural Sources
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Natural Sources	Natural Sources
San Lorenzo Creek (Monterey County)	CAR309180002002010313320 4			Grazing-Related Sources	Agriculture
San Lorenzo River	CAR304120221998082708470 9			Source Unknown	Source Unknown
San Lorenzo River	CAR304120221998082708470 9		Impaired length from San Lorenzo River Lagoon to confluence with Zayante Creek (approximately miles).	Source Unknown	Source Unknown
San Lorenzo River	CAR304120221998082708470 9	1/14/2003		Septage Disposal	Waste Storage And Disposal
San Lorenzo River	CAR304120221998082708470 9	1/14/2003		Nonpoint Source	Unspecified Nonpoint Source
San Lorenzo River	CAR304120221998082708470 9	1/14/2003		Pasture Grazing-Riparian and/or Upland	Agriculture
San Lorenzo River	CAR304120221998082708470 9	1/14/2003		Natural Sources	Natural Sources
San Lorenzo River	CAR304120221998082708470 9			Source Unknown	Source Unknown
San Lorenzo River	CAR304120221998082708470 9			Natural Sources	Natural Sources
San Lorenzo River	CAR304120221998082708470 9			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
San Lorenzo River	CAR304120221998082708470 9			Other Urban Runoff	Urban Runoff
San Lorenzo River	CAR304120221998082708470 9			Unknown Nonpoint Source	Unspecified Nonpoint Source
San Lorenzo River	CAR304120221998082708470 9			Transient encampments	Miscellaneous
San Lorenzo River	CAR304120221998082708470 9	2/19/2004		Land Development	Construction/Land Development
San Lorenzo River	CAR304120221998082708470 9	2/19/2004		Construction/Land Developmen	Construction/Land Development
San Lorenzo River	CAR304120221998082708470 9	2/19/2004		Urban Runoff/Storm Sewers	Urban Runoff
San Lorenzo River	CAR304120221998082708470 9	2/19/2004		Silviculture	Silviculture
San Lorenzo River Lagoon	CAE304120531998082809434 9			Urban Runoff/Storm Sewers	Urban Runoff
San Lorenzo River Lagoon	CAE304120531998082809434 9			Natural Sources	Natural Sources

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
San Luis Obispo Creek (above Osos Street)	CAR3102401119980824143123		Impaired length is Marsh Street Bridge to Cuesta Park.	Source Unknown	Source Unknown
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Agriculture	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Municipal Point Sources	Municipal Wastewater
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Other Urban Runoff	Urban Runoff
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Grazing-Related Sources	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Grazing-Related Sources	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Other Urban Runoff	Urban Runoff
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Agriculture	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nitrate as nitrate (NO3) was moved by USEPA from the 303(d) list to the being addressed list because of a completed USEPA approved TMDL.	Major Municipal Point Source-dry and/or wet weather discharge	Municipal Wastewater
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nitrate as nitrate (NO3) was moved by USEPA from the 303(d) list to the being addressed list because of a completed USEPA approved TMDL.	Agriculture	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nitrate as nitrate (NO3) was moved by USEPA from the 303(d) list to the being addressed list because of a completed USEPA approved TMDL.	Grazing-Related Sources	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nitrate as nitrate (NO3) was moved by USEPA from the 303(d) list to the being addressed list because of a completed USEPA approved TMDL.	Upstream Impoundment	Hydromodification
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nitrate as nitrate (NO3) was moved by USEPA from the 303(d) list to the being addressed list because of a completed USEPA approved TMDL.	Urban Runoff/Storm Sewers	Urban Runoff
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nitrate as nitrate (NO3) was moved by USEPA from the 303(d) list to the being addressed list because of a completed USEPA approved TMDL.	Natural Sources	Natural Sources
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nutrients moved by USEPA from the 303(d) list to this being addressed list because of a completed USEPA approved TMDL.	Agriculture	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/10/2007	For 2006, nutrients moved by USEPA from the 303(d) list to this being addressed list because of a completed USEPA approved TMDL.	Municipal Point Sources	Municipal Wastewater
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/1/2004		Natural Sources	Natural Sources
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/1/2004		Agriculture	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/1/2004		Grazing-Related Sources	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/1/2004		Transient encampments	Miscellaneous
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/1/2004		Urban Runoff/Storm Sewers	Urban Runoff
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513	1/1/2004		Major Municipal Point Source-dry and/or wet weather discharge	Municipal Wastewater
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Other Urban Runoff	Urban Runoff
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Grazing-Related Sources	Agriculture
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Municipal Point Sources	Municipal Wastewater
San Luis Obispo Creek (below Osos Street)	CAR3102402119980828115513			Agriculture	Agriculture
San Luisito Creek	CAR3102201120020124141107		For 2006, fecal coliform was moved by USEPA from the being addressed list back to the 303(d) list pending completion and USEPA approval of a TMDL.	Source Unknown	Source Unknown
San Miguelito Creek	CAR3141004020020124141622			Source Unknown	Source Unknown
San Miguelito Creek	CAR3141004020020124141622			Source Unknown	Source Unknown
San Miguelito Creek	CAR3141004020020124141622			Channelization	Hydromodification
San Miguelito Creek	CAR3141004020020124141622			Removal of Riparian Vegetation	Habitat Modification
San Miguelito Creek	CAR3141004020020124141622			Channelization	Hydromodification
San Miguelito Creek	CAR3141004020020124141622			Removal of Riparian Vegetation	Habitat Modification
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Golf course activities	Recreation Areas And Activities
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Other Urban Runoff	Urban Runoff
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Natural Sources	Natural Sources
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Other Urban Runoff	Urban Runoff
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Natural Sources	Natural Sources
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Golf course activities	Recreation Areas And Activities
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Golf course activities	Recreation Areas And Activities
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Other Urban Runoff	Urban Runoff
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Natural Sources	Natural Sources
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Golf course activities	Recreation Areas And Activities
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Other Urban Runoff	Urban Runoff
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Natural Sources	Natural Sources
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Other Urban Runoff	Urban Runoff
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Natural Sources	Natural Sources
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Golf course activities	Recreation Areas And Activities
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Other Urban Runoff	Urban Runoff
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Golf course activities	Recreation Areas And Activities
San Pedro Creek (Santa Barbara County)	CAR3153102020080612165413			Natural Sources	Natural Sources
San Simeon Creek	CAR3101301220020124141805		Impaired length for Chloride is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Grazing-Related Sources	Agriculture
San Simeon Creek	CAR3101301220020124141805		Impaired length for Chloride is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Agriculture	Agriculture
San Simeon Creek	CAR3101301220020124141805		Impaired length for Chloride is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Natural Sources	Natural Sources
San Simeon Creek	CAR3101301220020124141805		Impaired length for Chloride is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Wastewater - land disposal	Waste Storage And Disposal

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
San Simeon Creek	CAR310130122002012414180 5			Natural Sources	Natural Sources
San Simeon Creek	CAR310130122002012414180 5			Agriculture	Agriculture
San Simeon Creek	CAR310130122002012414180 5			Wastewater - land disposal	Waste Storage And Disposal
San Simeon Creek	CAR310130122002012414180 5			Grazing-Related Sources	Agriculture
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Nitrate is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Wastewater - land disposal	Waste Storage And Disposal
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Nitrate is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Grazing-Related Sources	Agriculture
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Nitrate is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Natural Sources	Natural Sources
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Nitrate is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Agriculture	Agriculture
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Sodium is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Natural Sources	Natural Sources
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Sodium is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Wastewater - land disposal	Waste Storage And Disposal
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Sodium is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Agriculture	Agriculture
San Simeon Creek	CAR310130122002012414180 5		Impaired length for Sodium is the Creek mouth to the first San Simeon Creek Road crossing, approximately 4 miles.	Grazing-Related Sources	Agriculture
San Vicente Creek (Santa Cruz County)	CAR304110232002012414193 2			Source Unknown	Source Unknown
Santa Maria River	CAR312100302001122810352 8			Natural Sources	Natural Sources
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Source Unknown	Source Unknown
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Source Unknown	Source Unknown
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Source Unknown	Source Unknown
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Source Unknown	Source Unknown
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Urban Runoff/Storm Sewers	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Natural Sources	Natural Sources
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Natural Sources	Natural Sources
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Natural Sources	Natural Sources
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Source Unknown	Source Unknown
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Grazing-Related Sources	Agriculture
Santa Maria River	CAR312100302001122810352 8			Other Urban Runoff	Urban Runoff
Santa Maria River	CAR312100302001122810352 8			Agriculture	Agriculture
Santa Maria River Estuary	CAE312100302002031112593 8			Agriculture	Agriculture
Santa Maria River Estuary	CAE312100302002031112593 8			Grazing-Related Sources	Agriculture
Santa Maria River Estuary	CAE312100302002031112593 8			Urban Runoff/Storm Sewers	Urban Runoff
Santa Maria River Estuary	CAE312100302002031112593 8			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Santa Maria River Estuary	CAE312100302002031112593 8			Collection System Failure	Municipal Wastewater
Santa Maria River Estuary	CAE312100302002031112593 8			Natural Sources	Natural Sources

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Santa Maria River Estuary	CAE312100302002031112593 8			Agriculture	Agriculture
Santa Maria River Estuary	CAE312100302002031112593 8			Collection System Failure	Municipal Wastewater
Santa Maria River Estuary	CAE312100302002031112593 8			Urban Runoff/Storm Sewers	Urban Runoff
Santa Maria River Estuary	CAE312100302002031112593 8			Grazing-Related Sources	Agriculture
Santa Maria River Estuary	CAE312100302002031112593 8			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Santa Maria River Estuary	CAE312100302002031112593 8			Natural Sources	Natural Sources
Santa Maria River Estuary	CAE312100302002031112593 8			Grazing-Related Sources	Agriculture
Santa Maria River Estuary	CAE312100302002031112593 8			Collection System Failure	Municipal Wastewater
Santa Maria River Estuary	CAE312100302002031112593 8			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Santa Maria River Estuary	CAE312100302002031112593 8			Natural Sources	Natural Sources
Santa Maria River Estuary	CAE312100302002031112593 8			Urban Runoff/Storm Sewers	Urban Runoff
Santa Maria River Estuary	CAE312100302002031112593 8			Agriculture	Agriculture
Santa Monica Creek	CAR315340202002012414285 0			Agriculture	Agriculture
Santa Monica Creek	CAR315340202002012414285 0			Other Urban Runoff	Urban Runoff
Santa Monica Creek	CAR315340202002012414285 0			Natural Sources	Natural Sources
Santa Monica Creek	CAR315340202002012414285 0			Other Urban Runoff	Urban Runoff
Santa Monica Creek	CAR315340202002012414285 0			Agriculture	Agriculture
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Other Urban Runoff	Urban Runoff
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Agriculture	Agriculture
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Agriculture	Agriculture
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Natural Sources	Natural Sources
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Other Urban Runoff	Urban Runoff
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Other Urban Runoff	Urban Runoff
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Natural Sources	Natural Sources
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Agriculture	Agriculture
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Source Unknown	Source Unknown
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Urban Runoff/Storm Sewers	Urban Runoff
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Agriculture	Agriculture
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Agriculture	Agriculture
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Other Urban Runoff	Urban Runoff
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Agriculture	Agriculture
Santa Rita Creek (Monterey County)	CAR309190002006073111135 0			Other Urban Runoff	Urban Runoff
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2			Water Diversions	Hydromodification
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2			Other Urban Runoff	Urban Runoff
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2			Agriculture	Agriculture
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2			Disturbed Sites (Land Develop.)	Construction/Land Development
Santa Rosa Creek (San Luis Obispo County)	CAR314200112002012414354 2			Grazing-Related Sources	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Resource Extraction	Resource Extraction
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Agriculture	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Urban Runoff/Storm Sewers	Urban Runoff
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Natural Sources	Natural Sources
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Agriculture	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Other Urban Runoff	Urban Runoff
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Grazing-Related Sources	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Flow Regulation/Modification	Hydromodification
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Grazing-Related Sources	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Other Urban Runoff	Urban Runoff
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Disturbed Sites (Land Develop.)	Construction/Land Development
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Agriculture	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Flow Regulation/Modification	Hydromodification
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Agriculture	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Flow Regulation/Modification	Hydromodification
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR314100501998082709422 6			Other Urban Runoff	Urban Runoff

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR3141005019980827094226			Grazing-Related Sources	Agriculture
Santa Ynez River (Cachuma Lake to below city o Lompoc)	CAR3141005019980827094226			Natural Sources	Natural Sources
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Natural Sources	Natural Sources
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Grazing-Related Sources	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Natural Sources	Natural Sources
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Grazing-Related Sources	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Natural Sources	Natural Sources
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Grazing-Related Sources	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Grazing-Related Sources	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Resource Extraction	Resource Extraction
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Urban Runoff/Storm Sewers	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Natural Sources	Natural Sources
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Flow Regulation/Modification	Hydromodification
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Grazing-Related Sources	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Natural Sources	Natural Sources
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Grazing-Related Sources	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Municipal Point Sources	Municipal Wastewater
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Agriculture	Agriculture
Santa Ynez River (below city of Lompoc to Ocean)	CAR3141004020050816125631			Other Urban Runoff	Urban Runoff
Schwan Lake	CAL3041205319981209102156			Urban Runoff/Storm Sewers	Urban Runoff
Schwan Lake	CAL3041205319981209102156			Natural Sources	Natural Sources
Schwan Lake	CAL3041205319981209102156			Natural Sources	Natural Sources
Schwan Lake	CAL3041205319981209102156			Urban Runoff/Storm Sewers	Urban Runoff
Schwan Lake	CAL3041205319981209102156			Nonpoint Source	Unspecified Nonpoint Source
Schwan Lake	CAL3041205319981209102156			Urban Runoff/Storm Sewers	Urban Runoff
Schwan Lake	CAL3041205319981209102156			Natural Sources	Natural Sources
Shingle Mill Creek	CAR3041202219980827102347	1/14/2003		Pasture Grazing-Riparian and/or Upland	Agriculture
Shingle Mill Creek	CAR3041202219980827102347	1/14/2003		Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Shingle Mill Creek	CAR3041202219980827102347	1/14/2003		Nonpoint Source	Unspecified Nonpoint Source
Shingle Mill Creek	CAR3041202219980827102347	1/14/2003		Natural Sources	Natural Sources
Shingle Mill Creek	CAR3041202219980827102347	1/1/2003		Nonpoint Source	Unspecified Nonpoint Source
Shingle Mill Creek	CAR3041202219980827102347	1/1/2003		Construction/Land Developmen	Construction/Land Development
Shuman Canyon Creek	CAR3130004120020124144205			Source Unknown	Source Unknown
Soda Lake	CAL3110005019980805102204			Source Unknown	Source Unknown
Soquel Creek	CAR3041301420020124145258			Collection System Failure	Municipal Wastewater
Soquel Creek	CAR3041301420020124145258			Urban Runoff/Storm Sewers	Urban Runoff
Soquel Creek	CAR3041301420020124145258			Natural Sources	Natural Sources
Soquel Creek	CAR3041301420020124145258			Transient encampments	Miscellaneous
Soquel Creek	CAR3041301420020124145258			Transient encampments	Miscellaneous
Soquel Creek	CAR3041301420020124145258			Natural Sources	Natural Sources
Soquel Creek	CAR3041301420020124145258			Collection System Failure	Municipal Wastewater
Soquel Creek	CAR3041301420020124145258			Urban Runoff/Storm Sewers	Urban Runoff
Soquel Creek	CAR3041301420020124145258			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Soquel Creek	CAR3041301420020124145258			Urban Runoff/Storm Sewers	Urban Runoff
Soquel Creek	CAR3041301420020124145258			Collection System Failure	Municipal Wastewater
Soquel Creek	CAR3041301420020124145258			Natural Sources	Natural Sources
Soquel Creek	CAR3041301420020124145258			Transient encampments	Miscellaneous
Soquel Creek	CAR3041301420020124145258			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Soquel Creek	CAR3041301420020124145258			Source Unknown	Source Unknown
Soquel Lagoon	CAE3041301419981209132827			Collection System Failure	Municipal Wastewater
Soquel Lagoon	CAE3041301419981209132827			Transient encampments	Miscellaneous
Soquel Lagoon	CAE3041301419981209132827			Onsite Wastewater Systems (Septic Tanks)	Waste Storage And Disposal
Soquel Lagoon	CAE3041301419981209132827			Pasture Grazing-Riparian and/or Upland	Agriculture
Soquel Lagoon	CAE3041301419981209132827			Urban Runoff/Storm Sewers	Urban Runoff
Soquel Lagoon	CAE3041301419981209132827			Construction/Land Developmen	Construction/Land Development
Spring Lakes Creek	CAR3041204120080603112335			Source Unknown	Source Unknown
Stenner Creek	CAR3102401020020124145945			Natural Sources	Natural Sources
Stenner Creek	CAR3102401020020124145945			Grazing-Related Sources	Agriculture
Stenner Creek	CAR3102401020020124145945			Other Urban Runoff	Urban Runoff
Stenner Creek	CAR3102401020020124145945			Agriculture	Agriculture
Struve Slough	CAR3051003020080603125227			Other Urban Runoff	Urban Runoff
Struve Slough	CAR3051003020080603125227			Agriculture	Agriculture
Struve Slough	CAR3051003020080603125227	7/19/2007		Source Unknown	Source Unknown
Struve Slough	CAR3051003020080603125227			Source Unknown	Source Unknown
Sycamore Creek	CAR3153201220080612170100			Source Unknown	Source Unknown
Sycamore Creek	CAR3153201220080612170100			Transient encampments	Miscellaneous
Sycamore Creek	CAR3153201220080612170100			Natural Sources	Natural Sources
Sycamore Creek	CAR3153201220080612170100			Urban Runoff/Storm Sewers	Urban Runoff
Sycamore Creek	CAR3153201220080612170100			Source Unknown	Source Unknown
Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911			Natural Sources	Natural Sources
Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911			Source Unknown	Source Unknown
Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911			Source Unknown	Source Unknown
Tecolote Creek (Santa Barbara County)	CAR3151001320080612163911			Natural Sources	Natural Sources
Tembladero Slough	CAR3091101019981209131830			Agriculture	Agriculture

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Removal of Riparian Vegetation	Habitat Modification
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Natural Sources	Natural Sources
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Natural Sources	Natural Sources
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Natural Sources	Natural Sources
Tembladero Slough	CAR309110101998120913 1830			Pasture Grazing-Riparian and/or Upland	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Nonpoint Source	Unspecified Nonpoint Source
Tembladero Slough	CAR309110101998120913 1830			Irrigated Crop Production	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture-irrigation tailwater	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agricultural Return Flows	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture-storm runoff	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agricultural Return Flows	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Irrigated Crop Production	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Nonpoint Source	Unspecified Nonpoint Source
Tembladero Slough	CAR309110101998120913 1830			Agriculture-storm runoff	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Natural Sources	Natural Sources
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Grazing-Related Sources	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Agriculture	Agriculture
Tembladero Slough	CAR309110101998120913 1830			Urban Runoff/Storm Sewers	Urban Runoff
Tequisquita Slough	CAR305300202001112109 1332			Nonpoint Source	Unspecified Nonpoint Source
Tequisquita Slough	CAR305300202001112109 1332			Agriculture	Agriculture
Tequisquita Slough	CAR305300202001112109 1332			Natural Sources	Natural Sources
Tequisquita Slough	CAR305300202001112109 1332			Source Unknown	Source Unknown
Tequisquita Slough	CAR305300202001112109 1332			Source Unknown	Source Unknown
Tequisquita Slough	CAR305300202001112109 1332			Source Unknown	Source Unknown
Toro Canyon Creek	CAR315340102008061217 0925			Transient encampments	Miscellaneous
Toro Canyon Creek	CAR315340102008061217 0925			Agriculture	Agriculture
Toro Canyon Creek	CAR315340102008061217 0925			Natural Sources	Natural Sources
Toro Creek	CAR310180102002012445 1249			Petroleum Activities	Industrial Activities (Oil)
Toro Creek	CAR310180102002012445 1249			Natural Sources	Natural Sources
Toro Creek	CAR310180102002012445 1249			Grazing-Related Sources	Agriculture
Toro Creek	CAR310180102002012445 1249			Natural Sources	Natural Sources
Toro Creek	CAR310180102002012445 1249			Petroleum Activities	Industrial Activities (Oil)
Toro Creek	CAR310180102002012445 1249			Grazing-Related Sources	Agriculture
Tres Pinos Creek	CAR305300202002012415 1519			Source Unknown	Source Unknown
Tres Pinos Creek	CAR305300202002012415 1519			Source Unknown	Source Unknown
Tres Pinos Creek	CAR305300202002012415 1519			Natural Sources	Natural Sources
Tres Pinos Creek	CAR305300202002012415 1519			Source Unknown	Source Unknown
Tularcitos Creek	CAR307000322002012415 1854			Source Unknown	Source Unknown
Tularcitos Creek	CAR307000322002012415 1854			Source Unknown	Source Unknown
Tularcitos Creek	CAR307000322002012415 1854			Source Unknown	Source Unknown

2010 California 303(d) List of Water Quality Limited Segments*

Water quality limited segments requiring a TMDL(5A), being addressed by TMDL(5B), and/or being addressed by an action other than TMDL(5C).

WATER BODY NAME	WBID	USEPA TMDL APPROVED DATE***	COMMENTS INCLUDED ON 303(d) LIST	POTENTIAL SOURCES	SOURCE CATEGORY
Uvas Creek (above Uvas Reservoir)	CAR3052001020080603162913			Source Unknown	Source Unknown
Uvas Creek (above Uvas Reservoir)	CAR3052001020080603162913			Source Unknown	Source Unknown
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208			Agriculture	Agriculture
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208			Other Urban Runoff	Urban Runoff
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208			Other Urban Runoff	Urban Runoff
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208			Source Unknown	Source Unknown
Uvas Creek (below Uvas Reservoir)	CAR3052002120080603163208			Agriculture	Agriculture
Uvas Reservoir	CAL3052001220020124163614			Source Unknown	Source Unknown
Valencia Creek	CAR3041302319980827104158			Source Unknown	Source Unknown
Valencia Creek	CAR3041302319980827104158			Agriculture	Agriculture
Valencia Creek	CAR3041302319980827104158			Construction/Land Developmen	Construction/Land Development
Walters Creek	CAR3102201120021002231800		For 2006, fecal coliform was moved by USEPA from the being addressed list back to the 303(d) list, pending completion and USEPA approval of a TMDL.	Source Unknown	Source Unknown
Warden Creek	CAR3102301020021002232250	1/20/2004		Source Unknown	Source Unknown
Warden Creek	CAR3102301020021002232250			Grazing-Related Sources	Agriculture
Warden Creek	CAR3102301020021002232250			Agriculture	Agriculture
Warden Creek	CAR3102301020021002232250	3/1/2005		Grazing-Related Sources	Agriculture
Warden Creek	CAR3102301020021002232250	3/1/2005		Agriculture	Agriculture
Watsonville Creek	CAR3051003020080603171443			Grazing-Related Sources	Agriculture
Watsonville Creek	CAR3051003020080603171443			Natural Sources	Natural Sources
Watsonville Creek	CAR3051003020080603171443			Agriculture	Agriculture
Watsonville Creek	CAR3051003020080603171443			Grazing-Related Sources	Agriculture
Watsonville Creek	CAR3051003020080603171443			Agriculture	Agriculture
Watsonville Creek	CAR3051003020080603171443			Natural Sources	Natural Sources
Watsonville Creek	CAR3051003020080603171443			Removal of Riparian Vegetation	Habitat Modification
Watsonville Creek	CAR3051003020080603171443			Grazing-Related Sources	Agriculture
Watsonville Creek	CAR3051003020080603171443			Groundwater Loadings	Groundwater Related
Watsonville Creek	CAR3051003020080603171443			Agriculture	Agriculture
Watsonville Creek	CAR3051003020080603171443			Groundwater Loadings	Groundwater Related
Watsonville Creek	CAR3051003020080603171443			Grazing-Related Sources	Agriculture
Watsonville Creek	CAR3051003020080603171443			Agriculture	Agriculture
Watsonville Creek	CAR3051003020080603171443			Removal of Riparian Vegetation	Habitat Modification
Watsonville Creek	CAR3051003020080603171443			Removal of Riparian Vegetation	Habitat Modification
Watsonville Creek	CAR3051003020080603171443			Agriculture	Agriculture
Watsonville Creek	CAR3051003020080603171443			Groundwater Loadings	Groundwater Related
Watsonville Creek	CAR3051003020080603171443			Grazing-Related Sources	Agriculture
Watsonville Slough	CAR3051003019981209150043			Removal of Riparian Vegetation	Habitat Modification
Watsonville Slough	CAR3051003019981209150043			Agriculture	Agriculture
Watsonville Slough	CAR3051003019981209150043			Urban Runoff/Storm Sewers	Urban Runoff
Watsonville Slough	CAR3051003019981209150043	7/19/2007		Landfills	Waste Storage And Disposal
Watsonville Slough	CAR3051003019981209150043	7/19/2007		Natural Sources	Natural Sources
Watsonville Slough	CAR3051003019981209150043	7/19/2007		Pasture Grazing-Riparian and/or Upland	Agriculture
Watsonville Slough	CAR3051003019981209150043	7/19/2007		Urban Runoff/Storm Sewers	Urban Runoff
Watsonville Slough	CAR3051003019981209150043	7/19/2007		Collection System Failure	Municipal Wastewater
Watsonville Slough	CAR3051003019981209150043	7/19/2007		Grazing-Related Sources	Agriculture
Watsonville Slough	CAR3051003019981209150043	7/19/2007		Agriculture	Agriculture
Watsonville Slough	CAR3051003019981209150043			Agriculture-storm runoff	Agriculture
Watsonville Slough	CAR3051003019981209150043			Agriculture	Agriculture
Watsonville Slough	CAR3051003019981209150043			Nonpoint Source	Unspecified Nonpoint Source
Watsonville Slough	CAR3051003019981209150043			Irrigated Crop Production	Agriculture
Watsonville Slough	CAR3051003019981209150043			Agriculture-irrigation tailwater	Agriculture
Watsonville Slough	CAR3051003019981209150043			Urban Runoff/Storm Sewers	Urban Runoff
Watsonville Slough	CAR3051003019981209150043			Removal of Riparian Vegetation	Habitat Modification
Watsonville Slough	CAR3051003019981209150043			Agriculture	Agriculture
Zayante Creek	CAR3041202220020124155410			Source Unknown	Source Unknown
Zayante Creek	CAR3041202220020124155410			Source Unknown	Source Unknown
Zayante Creek	CAR3041202220020124155410	2/19/2004		Erosion/Siltation	Habitat Modification
Zayante Creek	CAR3041202220020124155410	2/19/2004		Silviculture	Silviculture
Zayante Creek	CAR3041202220020124155410	2/19/2004		Road Construction	Construction/Land Development
Zayante Creek	CAR3041202220020124155410	2/19/2004		Nonpoint Source	Unspecified Nonpoint Source
Zayante Creek	CAR3041202220020124155410	2/19/2004		Agriculture	Agriculture
Zayante Creek	CAR3041202220020124155410	2/19/2004		Disturbed Sites (Land Develop.)	Construction/Land Development

Resource Capacity Study

Water Supply in the Paso Robles Groundwater Basin

Adopted by Board of Supervisors, February 2011

Board of Supervisors

Frank R. Mecham, Chairperson, District 1
Bruce S. Gibson, District 2
Adam Hill, District 3
Paul Teixeira, District 4
James R. Patterson, District 5

Planning Commission

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Carlyn Christianson
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Staff

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Kami Griffin, Assistant Planning Director
Chuck Stevenson, AICP, Long Range Planning Division Manager
Mike Wulkan, Supervising Planner
James Caruso, Senior Planner – Project Manager

EXECUTIVE SUMMARY

This Resource Capacity Study (RCS) addresses the state of the Paso Robles Groundwater Basin. It is based on work already accomplished by the County and other parties through:

- Fugro 2002 Paso Robles Groundwater Basin Study
- Fugro 2005 Phase II Report
- Todd Engineers 2009 Evaluation of Paso Robles Groundwater Basin Pumping
- Fugro 2010 Paso Robles Groundwater Basin Water Balance Review and Update.

In addition, this RCS acknowledges a peer review of the preceding groundwater studies commissioned by the City of Paso Robles (Yates 2010 Peer Review of Paso Robles Groundwater Studies).

These studies have calculated water use by the major groundwater use sectors (agriculture, rural land uses, small commercial uses, municipal systems and small community systems). Water use by these sectors has increased during the period 1980 to 2009 to the point where basin outflows will soon be greater than basin inflows.

A Level of Severity III can be established if a basin has reached its perennial yield or its perennial yield will be depleted before new supplies are developed. A Level of Severity (LOS) III is recommended for the Paso Robles Groundwater Basin and a separate LOS I is recommended for the Atascadero Sub-basin. Recommended actions include groundwater monitoring to collect additional data on the status of the basin and land use measures that will reduce conflicts over the limited groundwater resource.

INTRODUCTION

The Resource Management System

The County's Resource Management System (RMS) is a mechanism for ensuring a balance between land development and the resources necessary to sustain such development. When a resource deficiency becomes apparent, efforts are made to determine how the resource capacity might be expanded, whether conservation measures could be introduced to extend the availability of unused capacity, or whether development should be limited or redirected to areas with remaining resource capacity. The RMS is designed to avoid adverse impacts from depletion of a resource.

The RMS describes a resource in terms of its "level of severity" (LOS) based on the rate of depletion and an estimate of the remaining capacity, if any. In response to a resource issue or recommended LOS, the Board of Supervisors may direct that a Resource Capacity Study (RCS) be conducted. A RCS provides additional details that enable the Board of Supervisors to certify a LOS and adopt whatever measures are needed to eliminate or reduce the potential for undesirable consequences. The Board of Supervisors directed the preparation of this RCS in January 2007.

LOS I	Level I is reached for a water resource when increasing water demand projected over nine years equals or exceeds the estimated dependable supply.
LOS II	Level II for a water resource occurs when water demand projected over seven years (or other lead time determined by a resource capacity study) equals or exceeds the estimated dependable supply.
LOS III	A Level of Severity III exists when water demand equals the available resource; the amount of consumption has reached the dependable supply of the resource.

BACKGROUND

According to the 2002 report on the Paso Robles groundwater basin (the basin) prepared by Fugro, Inc., the basin encompasses an area of approximately 505,000 acres (790 square miles). The basin extends from the Garden Farms area south of Atascadero to San Ardo in Monterey County, and from the Highway 101 corridor east to Shandon (See Attachment 1). Internally, the Atascadero sub-basin was defined as a single hydrologically distinct sub basin (see Fugro 2002 for an explanation of the distinction between the basin and sub-basin). It encompasses the Salinas River corridor area south of Paso Robles and includes the communities of Garden Farms, Atascadero, Templeton and a portion of the City of Paso Robles' water supply.

The basin also contains "sub-areas" (as opposed to the sub-basin) that are identified for management purposes only (see Attachment 1). They do not constitute separate sub-basins such as the Atascadero Sub-basin. These sub-areas do not have perennial yields separate from the basin as a whole. Due to the complexity of the hydrogeology at the sub-area boundaries and the amount of data that would be needed to determine the behavior at those boundaries, it is not currently possible to establish a perennial yield for these sub-areas.

However, it is possible to draw conclusions regarding the proportions of total basin pumping by sub–area. This RCS addresses this issue below.

What is the "perennial yield" of a groundwater basin?

There are several definitions of perennial (or safe) yield available from the California Dept of Water Resources and the hydro geologic literature. For purposes of this RCS and to be consistent with the technical work already completed on the basin, the definition of perennial (and safe) yield will be taken from Fugro 2002 and Fugro 2005.

The Fugro 2002 Report text (pg 138, Hydrologic Budget section):

> *"The perennial yield of a groundwater basin may be defined as the rate in which water can be pumped from wells year after year without decreasing the groundwater in storage. Many definitions of perennial yield tie the acceptable level of extractions to a negative economic impact. However, for the purposes of this study, the perennial yield is tied more closely to the rate of replenishment or recharge to the basin that will not result in diminished storage. The Paso Robles Groundwater Basin has a very large amount of groundwater in storage that can be used as carryover storage during years when there is little to no recharge. The drought of the late 1980's is an example."*

The Fugro 2002 report also defines perennial yield in its glossary:

> Perennial yield:
>
> *"…the amount of usable water of a groundwater basin that can be withdrawn and consumed economically each year for an indefinite period of time. It cannot exceed the sum of the natural recharge, artificial recharge, and incidental recharge, without causing depletion of the basin."*

How are groundwater levels related to the perennial yield of a groundwater basin?

Groundwater levels in wells fluctuate over time, representing the continuous adjustment of groundwater in storage to changes in recharge and discharge. Groundwater levels may fluctuate seasonally and over a period of years, reflecting the net effect of changes in recharge (e.g., percolation of precipitation and streamflow, infiltration of applied water, and subsurface inflow) and changes in outflow (e.g., pumping and subsurface outflow). Groundwater level changes

also may be sustained. A long-term trend of groundwater level declines would indicate an imbalance of outflows over inflows.

A water level analysis is based on empirical measurement of water levels in both production wells and monitoring wells. Water levels in individual wells are compared to levels in other wells throughout a basin to create a contour map showing elevations of the groundwater surface. Contour maps are useful for estimating the direction and rate of flow of groundwater within an aquifer. They are also used for estimating the amount of groundwater in storage. Observation of water levels over time can illuminate trends and implications about the long-term prospects for a basin. A series of groundwater elevation maps have been developed for the basin over the years. The maps show contour lines of equal water level elevation (see Attachments 2 and 3).

In general, long-term observation of groundwater levels has found a large area of drawdown. This area of concern is located roughly east and north of the City of Paso Robles, both north and south of State Highway 46. Data collected and analyzed from 1980 to 2006 indicate that the area of drawdown is growing both horizontally and vertically.

Annual recharge of groundwater from precipitation, as well as resulting streamflow, is highly variable; therefore, a long-term analysis of water level trends must include representative periods of above average, below average and average rainfall. Determination of trends is based on a period of observation that is not biased by an unusually dry or wet year or series of years. The data available from the 2002 Fugro report and the 2009 pumping update by Todd Engineers covers the time period 1980 to 2006, an adequate span of time to include varied conditions.

The basin's perennial yield has been calculated by Fugro to be 97,700 acre feet/year (afy). The Atascadero Sub-basin's perennial yield has been calculated at 16,400 afy. That means that over a given period of time, which in this case is 1980-1997, outflows of 97,700 acre feet/year can be offset by the same amount of inflow. This will not occur each year (i.e. inflow might not total 97,700 acre feet in any given year). However, when considering the balance of inflows and outflows over a long period of time, 97,700 afy of water can be removed on average, with no long-term decrease in storage. If outflows over a longer term basis are greater than 97,700 acre feet per year, it is assumed that water cannot be replaced and the process of "mining" groundwater has occurred. Mining of groundwater means that the water removed can never be replaced. Outflows would have to be lower than the perennial yield in a future year(s) to the same degree that outflows exceeded the perennial yield in order for mining of groundwater to not occur.

The most important thing to remember is that given a reliable perennial yield figure, as is the case in the basin, control of outflows so that they never reach perennial yield is critical to the health of the basin. As explained above, outflows exceeding the perennial yield cannot be replaced through normal inflow conditions unless outflows are brought under the perennial yield by the same amount in a future year(s). Therefore, while below or above-average rainfall and attendant basin inflow might have short-term or temporary effects on groundwater levels; in the long-term, basin health is dependent on keeping outflows under the perennial yield.

Information Base

This Resource Capacity Study now has three methods to estimate present and forecasted groundwater supply and demand and the state of the basin:

- A water balance and water balance analysis from 1998 to 2025 (Fugro 2010).
- 2006 and projected 2025 Paso Robles Groundwater Basin Pumping (Todd 2009).
- Observed change in the level of groundwater over 30 years. (Fugro 2005 and Todd 2009).

The information base must be used carefully as many assumptions have gone into the gathering and reporting of data. The data used to calculate present and future demand in the agriculture, rural, small commercial and small community systems is based on estimated factors or "water duties" for each pumping sector. It is important to note that water demand and groundwater pumping may be reported to a fraction of an acre foot, but these levels are not purported to be accurate to that degree.

The City of Paso Robles has recently released a peer review of the conclusions reached in published reports on the groundwater basin since the year 2000. The peer review recommends future courses of action that include: 1) increased well monitoring; 2) update and enhance previous models; 3) secure supplemental water such as Nacimiento Project water; and 4) cooperatively manage the basin.

BASIN WATER SUPPLY AND DEMAND

Basin-wide Supply and Demand

The 2005 Fugro report estimated that the perennial yield of the basin is approximately 97,700 afy. The report estimated that annual pumping had reached approximately 82,600 afy as of the year 2000. The pumping estimate was updated by the 2009 Todd Report (using the 2006 water year), and compared the 2006 pumping estimates with pumping estimates for 1997 and

2000. In 2010, Fugro estimated total pumping in the basin and sub-basin as of the year 2009. These estimates show total outflows of 91,838 afy to 96,723 afy in the basin and 15,255 afy to 16,012 afy in the Atascadero Sub-basin. The ranges are due to use of two different water duties for rural pumping: 1.0 afy and 1.7 afy.

Estimated Basin Pumping by Users

There are five different groups of groundwater "users" included in the supply/demand analysis:

- Agriculture
- Municipal
- Rural
- Small Community Systems
- Small Commercial Systems (e.g. golf courses, wineries, institutional uses)

Table 1
Total Groundwater Pumping by User (1997, 2000, 2006) (afy)

Groundwater User	1997	2000	2006
Net Agriculture	49,683 afy	56,551 afy	58,680 afy
Urban	13,513	14,629	15,665
Rural	9,400	9,993	10,891
Small Community	---	----	594
Small Commercial	1,465	1,465	2,323
Total	**74,061**	**82,638**	**88,153**

Small Community was included in Rural in 1997 and 2000.

As a matter of comparison, the estimated perennial yield of the basin is approximately 97,700 afy, while the estimated 2006 total basin pumping was 88,153 afy, or 90% of the perennial yield. Fugro 2010 estimates are that the basin has reached 91,838 afy to 96,723 afy (94% - 99% of perennial yield) and the Atascadero Sub-basin has reached approximately 15,255 afy to 16,012 afy (93% - 98% of perennial yield). Stated another way, approximate inflows are 977 acre feet/year to 5,862 acre feet/year more than outflows in the basin.

The Todd Report identified the amount of groundwater pumping by each user group. The report also explains the methods used to estimate groundwater pumping where actual pumping records do not exist.

Municipal Pumping

Municipal pumping includes four public water purveyors: 1) City of Paso Robles; 2) Atascadero Mutual Water Co. (AMWC); 3) Templeton Community Services District (CSD); and 4) San Miguel Community Services District. Pumping records from each jurisdiction were used to calculate total municipal pumping.

The City of Paso Robles pumps from both the Atascadero Sub-basin and the Estrella sub-area portion of the main groundwater basin. Well records were used to accurately determine the volume of pumping from the sub-basin and Paso Robles groundwater basin. The AMWC and the Templeton CSD pump from the Atascadero Sub-basin. The San Miguel CSD pumps from the Estrella sub-area portion of the main Paso Robles groundwater basin. The data for municipal pumping are the most accurate of all uses, as they are based on well pumping records.

In 2010, Fugro updated the estimated municipal pumping figures for the years 2007-2009:

Table 2
Urban Pumping 2007-2009

	AMWC	Paso Robles	Templeton	San Miguel	Total
2007	6210	7668	1673	354	15905
2008	6200	7850	1727	367	16144
2009	6189	8032	1782	379	16382

An important point to consider regarding urban pumping is the location of the Atascadero Sub-basin wells. As is identified in Table 7 below, a substantial amount of urban pumping in the sub-basin is from the Salinas River alluvium. According to Fugro 2010 and further reinforced by the expert testimony at the November 9, 2010 joint Board/Commission hearing, pumping from this shallower portion of the sub-basin does not have the same effect on groundwater levels as does pumping from the deeper Paso Robles Formation.

Agricultural Pumping

Estimating the amount of agricultural pumping is more complex than for other basin users. Agricultural pumping was estimated using acreage and water demands of different types of crops. Crop data show that irrigated acreage rose from 20,172 acres in 1997 to 40,836 acres in 2006. Table 1 (above) shows that although irrigated acreage increased by approximately 100% from 1997-2006, water use increased by less than 20% in the same time frame.

The following is Fugro's 2010 straight line projection for agricultural pumping for the years 2007-2009:

Table 3
Agricultural Pumping 2007-2009

2007	2008	2009
61,026 afy	62,052 afy	63,077 afy

Small Community Systems

This water use sector includes mutual water companies, county service areas, and mobilehome parks. For small community systems that report groundwater pumping, well records were used to accurately determine their pumping. Using these reports, estimates were derived for the systems that do not report their water use.

Small Commercial Systems

The small commercial pumping sector includes such users as wineries, golf courses and schools. Estimates of water use had to be derived for most of the users, as no data are reported in this sector (only Atascadero State Hospital and the California Youth Authority reported pumping). Water use estimates are based on factors from the Pacific Institute and information from consultation with winery operators.

Rural Pumping

This sector is domestic water use by development in the rural areas. No data exist to measure groundwater pumping by rural domestic users. An estimate was derived by using parcel data and applying a water use factor or "water duty." The assumed water duty of 1.7 afy/dwelling unit was taken from Fugro 2002 and Todd 2009.

There are two alternative water duties for rural pumping used in Fugro's 2010 report. Water duties of 1.00 and 1.7 afy/dwelling were used to calculate rural pumping. These two water duties were used in order to observe the sensitivity of outflows to changes in rural water duties. This Resource Capacity Study uses 1.7 afy, except where noted to reflect the wide range of land uses and parcel sizes and associated water use rates in the rural pumping category.

Table 4
Total Basin Pumping by Sector
Perennial yield = 97,700 afy

Groundwater User	1997	2000	2006	2009
Net Agriculture	49,683 afy	56,551 afy	58,680 afy	63,077
Urban	13,513	14,629	15,665	16,382
Rural	9,400	9,993	10,891	11,817
Small Community	---	----	594	----
Small Commercial	1,465	1,465	2,323	2631
Total	**74,061**	**82,638**	**88,153**	**93,907**

Sub-basin and Sub-area Pumping

Groundwater pumping is not uniform throughout the basin. Most pumping (39% of the basin total) takes place in the Estrella sub-area. The Atascadero Sub-basin is next in pumping volume at 18% of the basin total, and the Shandon sub-area is third at 13% of total basin pumping The Estrella sub-area is where the most serious groundwater level declines have been identified (see Attachment 1 for the basin and its sub-areas and sub-basin).

The Estrella sub-area does not have its own perennial yield estimate, as it is hydrologically part of the larger basin. The Atascadero Sub-basin, however, is hydrologically distinct from the rest of the basin. Its perennial yield is estimated at 16,400 afy (Fugro, 2000). Estimated pumping in the Atascadero Sub-basin has reached 93%-98% of its perennial yield in 2006 and reached its perennial yield in 2008 (Todd, 2009; Fugro, 2010). A separate LOS can be assigned to the sub-basin based on the definitions in the RMS, because the sub-basin is hydrologically distinct from the entire basin and has its own perennial yield.

Staff has identified an area of the basin--made up of a portion of the Estrella sub-area and the northern portion of the Creston sub-area--that has shown the greatest and most consistent drawdown of water levels since 1980. This area is identified as the "Estrella/Creston Area of Concern" (see Attachment 4).

Atascadero Sub-basin

The Atascadero Sub-basin is a long and narrow strip that extends from the south end of Paso Robles to Santa Margarita on both the east and west sides of the Salinas River (see Attachment 1). Pumping in the sub-basin in 2006 is estimated by Todd (2009) as tabulated below. The percentage of total sub-basin pumping is also shown for each type of user.

Table 5
Atascadero Sub-basin Pumping, 2006

Groundwater User	Amount (afy)	% of Total Sub-basin
Agriculture	1,348	9%
Municipal	11,582	75%
Small Community	213	1.3%
Small Commercial	430	2.7%
Rural	1,819	12%
Total	**15,392**	**100%**

Perennial yield estimated at 16,400 afy

Municipal pumpers are the primary groundwater users of the Atascadero Sub-basin. The City of Paso Robles pumps approximately 3,896 afy and Atascadero Mutual Water Company (AMWC) pumps approximately 6,221 afy from the sub-basin. This is approximately 62% of the perennial yield of the basin.

Table 6 shows Fugro's 2010 estimated water use in the sub-basin for the years 2007-2009. Total pumping in the sub-basin is approaching the safe yield.

Table 6
Estimated Atascadero Sub-basin Pumping 2007-2009

Groundwater User	2007	2008	2009
Agriculture	1384 afy	1420 afy	1456 afy
Municipal	11,717 afy	11,852 afy	11,987 afy
Rural/Sm. Community	1832 afy	1836 afy	1839 afy
Small Commercial	444 afy	459 afy	473 afy
Total	15,377 afy	15567 afy	15755 afy

Perennial yield estimated at 16,400 afy

The municipal pumping in the sub-basin occurs in both the alluvium of the Salinas River and in the deeper Paso Robles Formation.

Table 7
Pumping in the Atascadero Sub basin

Calendar Year	Salinas River Underflow (acre-feet)	Paso Robles Formation (acre-feet)	Total (acre-feet)
2006	3,316	2,905	6,221
2007	3,004	3,817	6,821
2008	3,014	3,563	6,577
2009	2,180	3,523	5,703

According to Fugro 2010, pumping of the alluvium does not have the same effect on groundwater levels as does pumping from the deeper Paso Robles Formation. Fugro 2010 also recommends that the alluvium's perennial yield be established separately from the deeper Paso Robles Formation. Furthermore, according to expert testimony at a joint hearing on November 9, 2010, municipal use makes up most of the pumping in the sub-basin. Agencies such as the City of Paso Robles and large purveyors such as the AMWC can mange their pumping more effectively than the thousands of individual users in the main basin.

Estrella Subarea

The Estrella sub-area is not a hydrologically separate part of the basin as is the Atascadero Sub-basin. Therefore, no separate perennial yield figure is available

for the sub-area. The area that has shown the most severe and constant lowering of groundwater levels since 1980 is located in the southern Estrella sub-area and the northern Creston sub-area. As shown below, the Todd Report estimated the breakdown of pumping in the Estrella sub-area in terms of afy and as a percentage of the total pumping:

Table 8
Estrella Sub area Pumping, 2006

Groundwater User	Amount (afy)	% of Total Sub-basin
Agriculture	23,110	68%
Municipal	3,930	11.5%
Small Community	156	0.45%
Small Commercial	1,603	5%
Rural	5,277	15.5%
Total	**34,076**	**100%**

In 2006, agriculture was the primary user of water in this sub-area, at 68% of total water use. Rural pumping accounts for 15.5% of total water use and urban use 11.5%.

The Estrella sub-area represents approximately 16% of the total land area in the basin. According to Todd (2009), pumping in the sub-basin accounts for approximately 40% of the total amount of water pumped from the entire basin. This proportion will be considered in development of recommended actions in this RCS.

Basin Water Balance

This RCS has been updated to include a groundwater basin water balance continued from 2006 through 2009 and then 2009 through 2025. The water balance update was developed specifically to gauge the effect of varying the rural water duty factor on the overall water balance for the years 1998 through 2009 and of the introduction of Nacimiento Project water into the basin and sub-basin from 2009 through 2025.

In Tables 14 and 15 of the Fugro report, all other pumping is held constant and urban pumping is varied according to the delivery schedules of the Nacimiento Project. The water balance shows that urban pumping in the basin grows slowly over the period 2010 to 2016 and is then offset as additional Nacimiento Project water is used in the basin.

In order to see the effects of different assumptions for pumping and growth rates on the water balance, staff developed several different scenarios using different assumptions for water duty (e.g. 1.7 afy vs. 1.0 afy for rural pumping; 1.25 afy/ac

for vineyards vs. 0.75 afy/ac.) and forecasted growth in each pumping sector and corresponding return flows. These water balance projections or scenarios each forecast the status of the basin to the year 2025. A summary of the scenarios, including the projected year when overdraft is reached for each scenario, is as follows (see attachments 5-13 for the scenario spreadsheets):

1. Scenario 1
    a. Agricultural pumping increases 1.5% per year.
    b. Rural\Small Community increases 1.7% per year.
    c. Small commercial pumping increases 4% per year.
    d. Perennial yield reached in 2011

2. Scenario 2
    a. Agricultural pumping increases 3.0% per year.
    b. Rural\Small Community increases 3.47% per year.
    c. Small commercial pumping increases 8% per year.
    d. Perennial yield reached in 2010

3. Scenario 3
    a. Same rate of increase as Scenario 1.
    b. Vineyards use decreased by 0.25 afy/ac.
    c. Perennial yield reached in 2019

4. Scenario 4
    a. Same rate of increase as Scenario 1.
    b. Vineyards use decreased by 0.50 afy/ac.
    c. Perennial yield reached in 2025

5. Scenario 5
    a. Same rate of increase as Scenario 2
    b. Vineyard use decreases by 0.25 afy/ac.
    c. Perennial yield reached in 2014

6. Scenario 6
    a. Same rate of increase as Scenario 2
    b. Vineyard use decreases by 0.50 afy/ac.
    c. Perennial yield reached in 2019

7. Scenario 7
    a. Same rate of increase as Scenario 1.
    b. Rural pumping uses 1.0 afy vs. 1.7 afy.
    c. Perennial yield reached in 2014

8. Scenario 8
    a. Same rate of increase as Scenario 2.

b. Rural pumping uses 1.0 afy vs. 1.7 afy.
c. Perennial yield reached in 2011

These eight scenarios all result in reaching perennial yield of the basin anywhere from the year 2010 to 2025. The scenarios that exhibit the greatest effect on when perennial yield is reached are those that reduce vineyard water use from 1.25 and 1.50 afy/acre to 1.00 and 1.25 afy/acre and to 0.75 and 1.00 afy/acre.

Atascadero Sub-basin Water Balance

The water balance in the Atascadero Sub-basin differs from the Paso Robles basin in that a majority of the sub-basin pumping is in the urban sector (cities of Paso Robles, Atascadero and the Templeton Community Services District (CSD). The City of Paso Robles receives half of its water supply from wells in the sub-basin, while the Templeton CSD and the AMWC receive all their water from the sub-basin. Together, these groundwater users account for more than 65% of the water use in the sub-basin.

These jurisdictions will import Nacimiento Project water into the basin. This imported water resource will keep urban pumping fairly constant through the year 2019 (10,673 afy in 2010 vs. 11,683 afy in 2019). After the year 2019, urban pumping will increase again to 12,567 afy. Outflows in the sub-basin are estimated to consistently exceed perennial yield (16,400 afy) in year 2021 and thereafter.

Attachment 13 contains the water balance forecasts for the sub-basin. Urban pumping values are from Fugro (2010) and are based on a schedule of Nacimiento Project water delivery to the three urban water purveyors. However, it is important to point out that approximately half the pumping in the sub-basin is from the Salinas River alluvium. As described above, pumping the alluvium does not have the same effect on groundwater levels as does pumping in the deeper Paso Robles Formation.

Summary of the Problem

a. The 2009 Todd Report found that water demand in both the basin and sub-basin is approaching perennial yields.
b. Groundwater level contour maps have shown consistent lowering of groundwater levels in a wide area east of the City of Paso Robles. Specific well locations and their groundwater levels over time are as follows (from draft public review materials for the Paso Robles Groundwater Basin Management Plan that is under development):

Table 9
Selected Groundwater Elevations

Well No.	Location	Long Term decline	1997-2009 decline
25S/12E- 26K01	North of Airport Rd	80 feet	40 feet
26S/13E- 5D01	North of Jardine Rd	120 feet	90 feet
27S/12E- 2F02	Southwest corner of City	110 feet	95 feet
26S/12E- 15N01	North of City	60' to stable	80 feet

c. The Fugro 2010 Water Balance review finds that the basin is approaching the average annual perennial yield in 2010, and the introduction of Nacimiento Project water into the basin will cumulatively offset approximately 66,798 afy of pumping by the year 2025.
d. Increases in outflows in pumping sectors lead the basin into overdraft notwithstanding the introduction of Nacimiento Project water.
e. According to the Scenarios 7 and 8 above, use of alternative water duties for rural pumping (1.7 afy vs. 1.0 afy) does not result in substantive change to the water balance and the estimated time to reach the basin's perennial yield.
f. Introduction of Nacimiento Project water into the Atascadero Sub-basin will keep outflows at or just above perennial yield through 2016. Outflows will be greater than inflows after 2016.

Estrella/Creston Area of Concern

An area of the basin - the southern portion of the Estrella sub-area and the northern portion of the Creston sub-area - has shown the greatest and most consistent decline of water levels since 1980 (see Attachment 4). This area is being called the "Estrella/Creston Area of Concern." There is no perennial yield estimate for this area. Sustained groundwater level declines represent a stressing of the groundwater resource, may cause water quality problems, and may require groundwater users to lower wells as groundwater levels decline.

The Estrella sub-area (most of which is in the Area of Concern) represents approximately 16% of the area of the groundwater basin. However, approximately 40% of all groundwater pumping takes place within this area. The amount of pumping has caused a substantial drop in groundwater elevations since 1980. The preceding Table 9 is based on data from the Groundwater Management Plan in development by the District. It shows both short and longer-term declines in wells in the Area of Concern.

Conservation and Data Collection Efforts

Both agricultural and municipal groundwater users have made substantial strides in water efficiency and conservation. Vineyards in the basin have reduced their water use due to economic conditions, more efficient vine and soil management and a commitment to sustainable operations. According to information from the Paso Robles Wine Country Alliance (PRWCA), vineyard water use on a per-acre basis has been dropping in the last 10 years. Many vineyards have adopted the "Code of Sustainable Winegrowing Practices" that covers sustainable operations in water, energy, ecosystem management, solid waste reductions and other areas. The result of this multi-year effort is seen in the declining amount of water used on each acre of vineyard. According to the PRWCA, water use in vineyards has been reduced in some cases to less than one acre-foot/acre/year. The Alliance states that ten years ago, vineyard water use was over two acre-feet/acre/year.

Conservation efforts have also been applied in a winery setting. For example, J. Lohr Vineyards has an aggressive water efficiency and conservation program at its facilities. Water use at this winery has been reduced from 3.5 gallons of water/gallon of wine to 1.2 gallons of water/gallon of wine (2003-2007); a 66% reduction at this facility.

U.C. Extension has commenced a three year study of vineyard water use. It is hoped that this study will more accurately estimate water use in the vineyards. Attachments 5-13 are water balance forecasts using different outflows and water duty assumptions. These scenarios include 0.25-0.50 afy/acre reductions in vineyard water use.

Additionally, the Department has worked with the PRWCA to develop Best Management Practices (BMPs) for water conservation by wineries. These BMPs will address new wineries and will identify actions existing wineries can take to be more water efficient.

The City of Paso Robles has recently embarked on a far-reaching water conservation effort. Mandatory three-day water use restrictions for residential customers were implemented in April 2009, and the City is committing substantial funds to its water conservation program. A comprehensive long-range water conservation plan is in development with the goal of achieving significant reductions in future per capita water use.

Atascadero Mutual Water Company (AMWC) has promoted water conservation since 1993. According to AMWC, the water conservation program has reduced per capita indoor water use and the use of potable water for landscape irrigation. AMWC provides educational resources on its website, in its offices, and in periodic brochures included with water bills. AMWC made a further commitment

to conservation in 1997, signing an MOU with the California Urban Conservation Council and continues to implement and meet the goals of Best Management Practices for Water Conservation including

- Conservation Rate Structure (i.e. Tier Water Rates)
- Turf conversion rebates
- Lawn aeration rebates
- Sprinkler nozzle replacement rebates
- Irrigation controller rain sensor rebates
- Weather based irrigation controller and soil moisture sensor rebates
- High efficiency clothes washing machine rebates
- High efficiency toilet rebates
- School education programs
- Free seminars on water conserving landscape design and plant selection
- Free landscape/home water surveys
- Annual Water-Conserving Landscape awards

Atascadero MWC is a member of the California Urban Water Conservation Council, Groundwater Guardian Program, Alliance for Water Efficiency, Water Education Foundation, and SLO County Partners in Water Conservation.

The Templeton CSD currently promotes water conservation throughout its service area. The Templeton CSD has a full time water conservation coordinator who works to educate the public through informational workshops, literature, handouts, and occasional rebate programs. Recently, the Templeton CSD has revised their Water Conservation Ordinance to ensure that conservation standards for the Templeton CSD remain current and efficient. The Templeton CSD is an active member in the SLO County Partners in Water Conservation, Central Coast Partners in Water Quality, and the California Urban Water Conservation Council.

Decision–Making Constraints

There are several possible actions available to address the potential for overdraft. However, there are over-arching issues that complicate any action the County might wish to take:

1. The County has limited regulatory authority in water use, especially by cities and agriculture. Therefore, it will be difficult for the County to directly affect the use of water by the two primary groundwater users.
2. The County's primary regulatory role is land use and building.

3. The major portion of basin outflows are not measured, but are estimated. While municipal pumping is measured, agricultural, rural, and most small community/commercial pumping is estimated. This adds to the uncertainty regarding actual groundwater use.
4. Identification of changing groundwater levels is based on limited data.

Consistency with the General Plan

As noted above, the County's primary regulatory role is land use regulation and issuance of building permits. The recommended actions below emphasize this regulatory role. These recommended land use and building actions must be consistent with any applicable general plan policies. The Water Resource chapter of the Conservation and Open Space Element (COSE) contains goals, policies and implementation strategies that will affect the recommended actions in this RCS. Policies in the Agriculture Element address the preeminence of agricultural water supply.

Conservation and Open Space Element (COSE)

Goal 1 of the COSE Water Resources chapter states:

> *The County will have a reliable and secure regional water supply*.

Policies in support of this goal include:

> **Policy WR 1.13 Density increases in rural areas**- Do not approve General Plan amendments or land divisions that increase the density or intensity of non-agricultural uses in rural areas that have a recommended or certified Level of Severity II or III for water supply until a Level of Severity I or better is reached, unless there is an overriding public need.
>
> **Policy WR 1.14 Avoid net increase in water use** - Avoid a net increase in non-agricultural water use in groundwater basins that are recommended or certified as Level of Severity II or III for water supply. Place limitations on further land divisions in these areas until plans are in place and funded to ensure that the perennial yield will not be exceeded.
>
> **Policy WR 1.2 Conserve Water Resources** - Water conservation is acknowledged to be the primary method to serve the county's increasing population. Water conservation programs should be implemented countywide before more expensive and environmentally costly forms of new water are secured.

Policy WR 1.7 Agricultural operations - Groundwater management strategies will give priority to agricultural operations. Protect agricultural water supplies from competition by incompatible development through land use controls.

Implementation Strategy WR 1.7.1 Protect agricultural water supplies - Consider adopting land use standards, such as growth management ordinance limits for non-agriculturally-related development on certain rural areas, larger minimum parcel sizes in certain rural areas, and merger of substandard rural parcels, in order to protect agricultural water supplies from competing land uses.

Implementation Strategy WR 1.12.2 Require water supply assessments - Require applications for land divisions, which would increase density or intensity in groundwater basins with recommended or certified Levels of Severity II or III for water supply or water systems and are not in adjudication, to include a water supply assessment (WSA) prepared by the applicable urban water supplier (as defined by California Water Code Section 10617). The WSA should:

a. Determine whether the total projected water supplies for the project during the next 20 years will meet the projected water demand associated with the proposed project, in addition to existing and planned future uses, including agricultural uses.
b. If water supplies will be insufficient, the WSA should include the water purveyor's plans for acquiring additional water supplies.
c. If there is no water purveyor, then the County will direct the preparation of the WSA at the subdivider's expense.

Goal 2 of the COSE Water Resources chapter states:

The County will collaboratively manage groundwater resources to ensure sustainable supplies for all beneficial uses.

Policies and Implementation Strategies in support of this goal include:

a. **Implementation Strategy WR 2.2.2 Improve well permit data collection** - Improve data obtained from well permit applications regarding location, depth, yield, use, flow direction, and water levels.

b. **Implementation Strategy WR 2.2.3 Pursue data collection from all groundwater wells** - Secure right of access to all new key wells together with retaining voluntary access to existing wells having useful histories to ensure that the County's investment in these records is protected. Develop a data collection program by seeking permission from each of the well owners for County use with identification of the land owner protected from public or other uses and individual data shall remain confidential.

c. **Implementation Strategy WR 2.2.4 Groundwater data collection from water purveyors** - Require, to the extent feasible, all water purveyors with five or more connections to report monthly pumping data to the Department of Planning and Building on an annual basis for use in the Resource Management System.

d. **Implementation Strategy WR 2.2.5 Groundwater data collection for new development** - Condition discretionary land use permits for new, nonagricultural uses in groundwater basins with a recommended or certified Level of Severity I, II, or III to monitor and report water use to the Department of Planning and Building on an annual basis for use in the Resource Management System.

Agriculture Element

The Agriculture Element addresses priority of groundwater use. The Element states:

AGP11: Agricultural Water Supplies.

a. Maintain water resources for production agriculture, both in quality and quantity, so as to prevent the loss of agriculture due to competition for water with urban and suburban development.
b. Do not approve proposed general plan amendments or rezonings that result in increased residential density or urban expansion if the subsequent development would adversely affect: (1) water supplies and quality, or (2) groundwater recharge capability needed for agricultural use.
c. Do not approve facilities to move groundwater from areas of overdraft to any other area, as determined by the Resource Management System in the Land Use Element.

LOS Criteria

For water supply, the RMS defines levels of severity in relation to the time it would take for the resource to be used to its capacity, as follows:

LOS I	Level I is reached for a water resource when increasing water demand projected over nine years equals or exceeds the estimated dependable supply.
LOS II	Level II for a water resource occurs when water demand projected over seven years (or other lead time determined by a resource capacity study) equals or exceeds the estimated dependable supply.
LOS III	A Level of Severity III exists when water demand equals the available resource; the amount of consumption has reached the dependable supply of the resource.

According to the above table, a Level of Severity III (LOS III) can be established if a basin has reached its perennial yield *or dependable supply will be depleted before new supplies are developed* (emphasis added). The water forecasts in Attachments 5-12 indicate that perennial yield will be reached in the Paso Robles basin anywhere from 2010 to 2025. With the exception of unallocated Nacimiento Project water, no additional supplemental water supplies are on the horizon.

A Level of Severity I is recommended for the Atascadero Sub-basin. According to the sub-basin water balance scenario (Attachment 13), perennial yield will be reached in the years 2019-2021. This nine-year period corresponds to an LOS I.

RECOMMENDATIONS

A Level of Severity III is recommended for the Paso Robles Groundwater Basin. Recommended actions are divided into monitoring and land use measures.

A. Paso Robles Groundwater Basin

Recommended Level of Severity: **III**

Recommended Monitoring Actions: (The following actions A1-6 also apply to the Atascadero Sub basin)

1. The County should initiate the development of a groundwater monitoring program for approval by the Board of Supervisors and with elements that can be adopted by ordinance. The program should, at a minimum, address groundwater level and usage data collection. Effort to develop the program should include town-hall meetings to ensure stakeholder involvement. Issues to be addressed during the development of the program would include, but not be limited to, gaps in the existing monitoring network, voluntary versus non-voluntary participation, distinguishing how different users (urban, agricultural, rural) would be involved/affected/not affected, education and outreach, understanding what other amendments to County Code related to groundwater data collection are being developed, and the legal authorities of the County/District. The program should be consistent with the following:

    a. California Statewide Groundwater Elevations Monitoring Program (CASGEM – Senate Bill X7 6)

    b. District and stakeholder efforts on the Groundwater Management Plan now under preparation.

    c. The Countywide Master Water Plan

    d. Current monitoring programs of the Department of Public Works

2. Continue studies of the groundwater basin and stakeholder coordination efforts including the update and improvement of the numerical groundwater model and establishing a mechanism to fund these ongoing efforts (e.g. zone of benefit; groundwater district).

3. The County will develop and implement, in collaboration with other water purveyors within the Paso Robles Groundwater Basin and the Atascadero Sub-basin, a water conservation outreach and education program for the rural area. The outreach program will inform rural groundwater users of the state of the basin, include suggested conservation and efficiency measures, and if possible, provide incentives to water conservation and efficiency efforts**.**

4. The District will continue to conduct biannual groundwater measurements to chart the scope of groundwater level changes.

5. Title 8 of the County Code will be amended in accordance with the recommendations in the Resource Management System Annual Summary Report.

6. The County will require that the new wells be a part of the District groundwater level measuring program if needed.

Recommended Land Use Actions: The following actions 7, 8, 9, 10 and 12 do not apply to the Atascadero Sub basin.

7. In urban areas (defined as lands located within the County Land Use Element's Urban Reserve Lines) that do not have access to supplemental water (e.g. Nacimiento Project water), require new discretionary development that uses groundwater to use the California Urban Water Conservation Council's (CUWCC) best management practices for water conservation and offset 100 percent of its new water use with non-agricultural water.

   No land use restrictions are imposed on development applications by this RCS in urban areas (defined as lands located within the County's Urban Reserve Lines) of the basin, including LAFCo Spheres of Influence for incorporated cities, if the following requirements are met:

   a. the project has access to supplemental water;
   b. the development application is accompanied by a "will-serve" letter from a water purveyor that has access to supplemental water; and
   c. the site of the proposed development will be annexed and developed within a city.

8. In unincorporated rural areas of the basin defined as lands located outside the County Land Use Element's Urban Reserve Lines:

   a. Do not approve General Plan amendments that result in a net increase in the non-agricultural use of groundwater;
   b. Prohibit new land divisions in the rural areas of the basin;
   c. All discretionary development shall offset its water use with non-agricultural water, except that proposed Agricultural Processing uses (as defined in the Land Use Ordinance), including outdoor and other appurtenant water use, shall be subject to project- specific land use and/or water conservation mitigation measures required by the review authority based on environmental review.

9. New wineries shall use best management practices consistent with the BMP's identified in Attachment 14.

10. Revise the Growth Management Ordinance and the Resource Management System to substantially limit yearly non-agricultural development in the rural areas of the basin.

11. The County will develop a landscape ordinance that will limit the amount of turf and other high-water use features on all parcels within the Paso Robles Groundwater Basin, Including the Atascadero Sub-basin.

12. The Department shall work with stakeholders to develop best management practices for prevalent land uses in the basin similar to the winery BMP developed by the Paso Robles Wine County Alliance.

B. Atascadero Sub-basin

Recommended Level of Severity: **I**

1. Support and actively facilitate collaborative efforts among the Atascadero Mutual Water Company, the Templeton CSD and the City of Paso Robles in their efforts, to develop recycled water programs and subscribe to and deliver additional Nacimiento Water as needed to help keep outflows from exceeding inflows to continue to expand their water conservation efforts.

Attachments:

1. Map of the Basin and subareas
2. Groundwater elevations (2000)
3. Groundwater elevations (2006)
4. Estrella/Creston Area of Concern
5. Scenario 1
6. Scenario 2
7. Scenario 3
8. Scenario 4
9. Scenario 5
10. Scenario 6
11. Scenario 7
12. Scenario 8
13. Atascadero Sub-basin Scenario
14. Winery Best Management Practices

References:

1. Todd Engineers; Update for the Paso Robles Groundwater Basin, December 2007

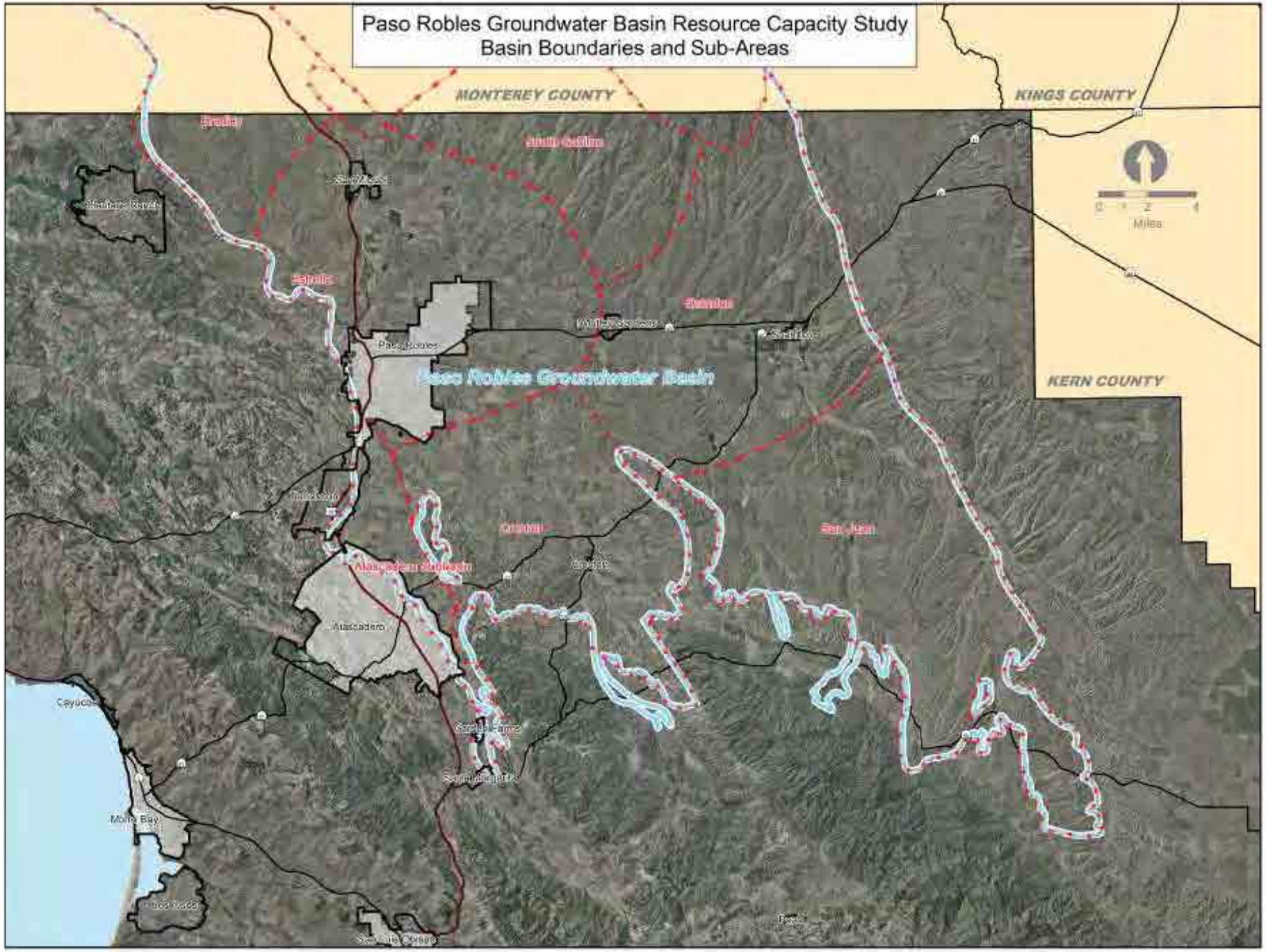
2. Fugro; Final Report; Paso Robles Groundwater Basin Study – Phase II; February 2005

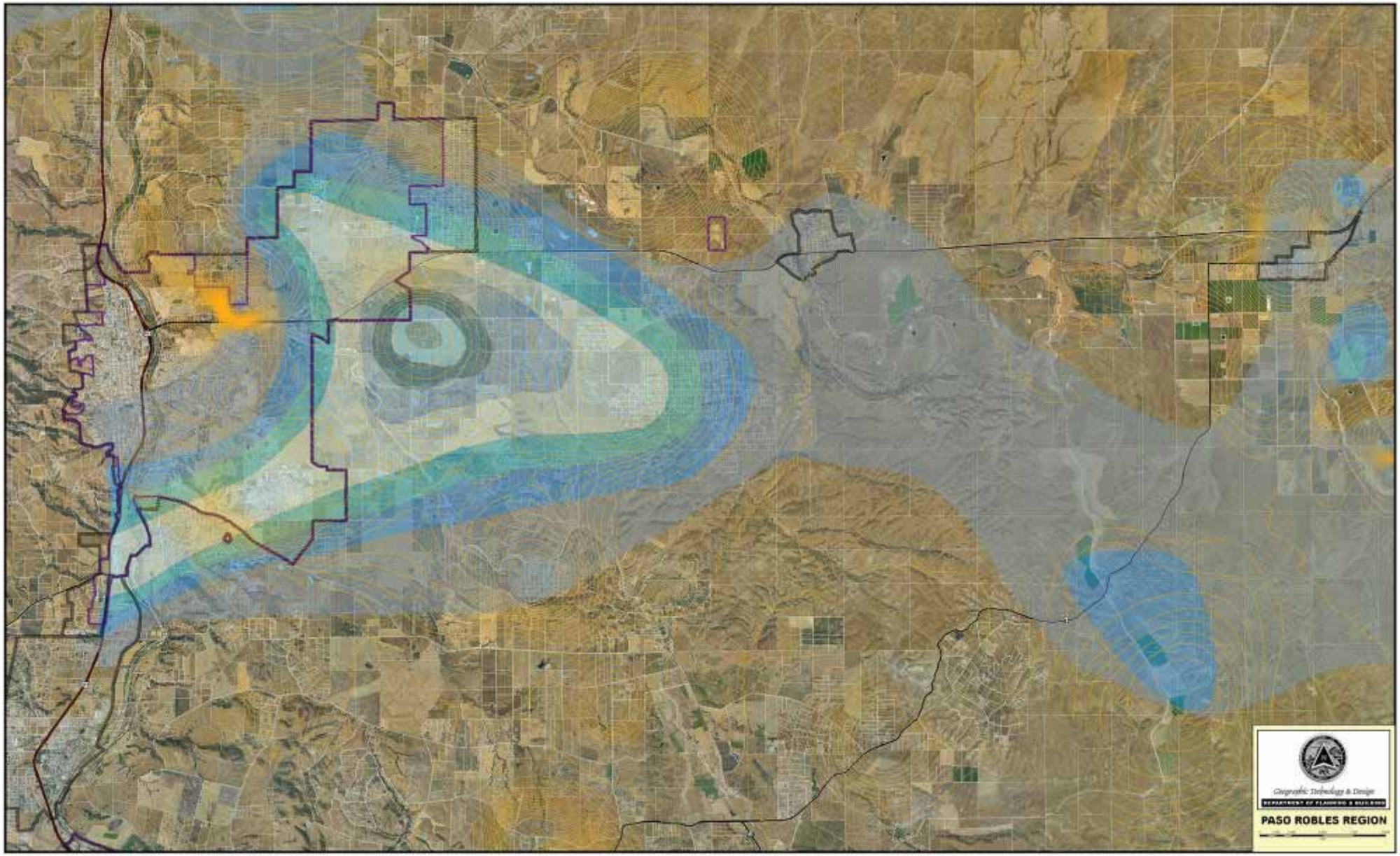
3. Fugro; Final Report; Paso Robles Groundwater Basin Study – Phase I; August 2002

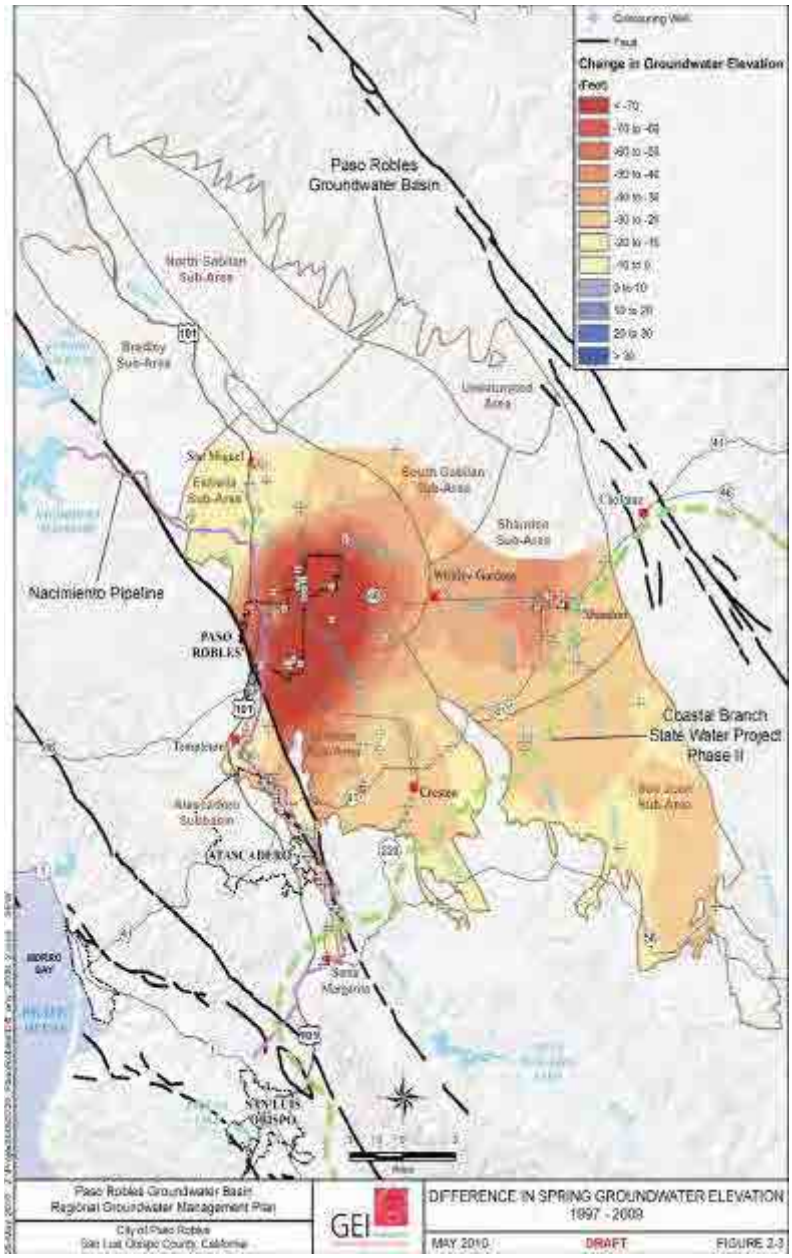
5. Todd Engineers; Evaluation of Paso Robles Groundwater Basin Pumping, Water Year 2006; May 2009

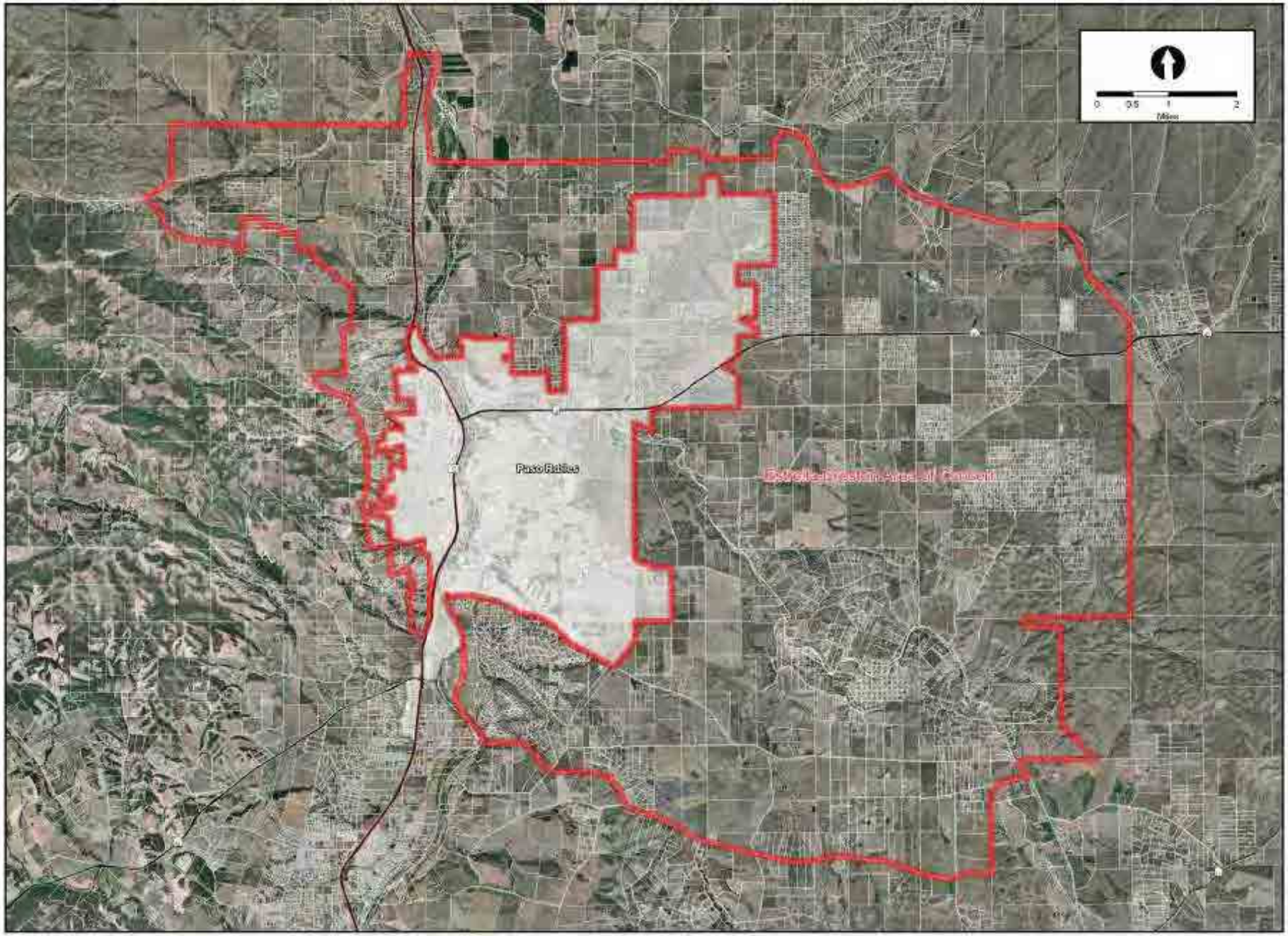
6. Fugro; Paso Robles Groundwater Basin Water Balance Review and Update; March 2010
7. Yates; Peer Review of Paso Robles Groundwater Studies

All of these technical studies are available on the Flood Control and Water Conservation District's website at www.slocountywater.org


Paso Robles Groundwater Basin Resource Capacity Study
Basin Boundaries and Sub-Areas
MONTEREY COUNTY
KINGS COUNTY
KERN COUNTY
Bradley
South Cholame
Estrella
Shandon
Creston
San Juan
Atascadero Subbasin
Paso Robles Groundwater Basin
Paso Robles
Atascadero
Cayucos
Morro Bay
Los Osos
Miles


Geographic Technology & Design
DEPARTMENT OF PLANNING & BUILDING
PASO ROBLES REGION


Change in Groundwater Elevation
(Feet)
Paso Robles
Groundwater Basin
North Subbasin
Sub-Area
Bradley
Sub-Area
Unsaturated
Area
South Subbasin
Sub-Area
Shandon
Sub-Area
Nacimiento Pipeline
PASO
ROBLES
Coastal Branch
State Water Project
Phase II
ATASCADERO
Santa
Margarita
SAN LUIS
OBISPO
Paso Robles Groundwater Basin
Regional Groundwater Management Plan
City of Paso Robles
San Luis Obispo County, California
GEI
DIFFERENCE IN SPRING GROUNDWATER ELEVATION
1997 - 2009
MAY 2010
DRAFT
FIGURE 2-3


0
0.5
1
2
Miles
Paso Robles
Estrella Restoration Area of Concern

Attachment 5
Paso Robles Groundwater Basin
Scenario 1

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural/Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural/Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,409	4,961	6,009	1,368	**32,157**	600	64,023	14,720	12,018	2,736	1,728	**95,825**	-63,669	-63,669
2011	11,810	339,592	108,688	1,430	5,062	6,111	1,423	**474,116**	600	64,984	13,970	12,222	2,846	6,390	**101,011**	373,104	309,435
2012	7,577	321	51,092	1,451	5,111	6,215	1,480	**73,247**	600	65,958	14,606	12,430	2,960	3,938	**100,492**	-27,245	282,191
2013	8,828	3,373	68,771	1,473	5,194	6,321	1,539	**95,498**	600	66,948	13,677	12,641	3,078	4,660	**101,604**	-6,105	276,085
2014	12,511	318,645	103,408	1,495	5,317	6,428	1,601	**449,405**	600	67,952	15,141	12,856	3,201	6,784	**106,534**	342,870	618,956
2015	5,142	0	26,644	1,517	5,437	6,537	1,665	**46,942**	600	68,971	15,107	13,075	3,329	2,533	**103,615**	-56,673	562,283
2016	6,876	12	44,369	1,540	5,561	6,649	1,731	**66,738**	600	70,006	16,066	13,297	3,462	3,536	**106,967**	-40,229	522,054
2017	7,573	8,986	35,181	1,563	5,687	6,762	1,800	**67,552**	600	71,056	13,503	13,523	3,601	3,936	**106,219**	-38,666	483,387
2018	3,626	0	14,269	1,587	5,817	6,876	1,872	**34,048**	600	72,122	12,860	13,753	3,745	1,659	**104,738**	-70,691	412,697
2019	4,599	0	41,206	1,610	5,950	6,993	1,947	**62,306**	600	73,203	14,859	13,987	3,895	2,220	**108,764**	-46,458	366,239
2020	3,943	0	12,734	1,635	6,085	7,112	2,025	**33,534**	600	74,301	14,528	14,225	4,050	1,842	**109,546**	-76,012	290,227
2021	13,033	214,856	98,220	1,659	6,225	7,233	2,106	**343,332**	600	75,416	15,230	14,466	4,212	7,085	**117,010**	226,323	516,550
2022	8,751	12,997	49,650	1,684	6,368	7,356	2,190	**88,997**	600	76,547	15,699	14,712	4,381	4,615	**116,554**	-27,558	488,992
2023	3,510	0	1,500	1,709	6,515	7,481	2,278	**22,994**	600	77,695	15,922	14,962	4,556	1,592	**115,328**	-92,334	396,658
2024	6,499	316	41,834	1,735	6,665	7,608	2,369	**67,026**	600	78,861	15,244	15,217	4,738	3,316	**117,976**	-50,949	345,708
2025	4,691	0	19,386	1,761	6,820	7,738	2,464	**42,860**	600	80,044	16,750	15,475	4,928	2,273	**120,070**	-77,210	268,498

Shaded areas represent outflows greater than safe yield.
Safe yield is 97,700 AFY.

- Agricultural Groundwater Pumping increase by 1.5%/yr
- Rural/Small Community Groundwater Pumping increase by 1.7%/yr
- Small Commercial Groundwater Pumping increase by 4%/yr
- Vineyard water use 1.25-1.50 acre-feet/year/acre
- Rural pumping 1.7 acre-feet/year/acre

Attachment 6
Paso Robles Groundwater Basin
Scenario 2

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural\Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural\Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,429	4,961	6,109	1,421	**32,330**	600	64,969	14,720	12,219	2,841	1,728	**97,078**	-64,747	-64,747
2011	11,810	339,592	108,688	1,472	5,062	6,317	1,534	**474,476**	600	66,918	13,970	12,634	3,069	6,390	**103,581**	370,894	306,147
2012	7,577	321	51,092	1,516	5,111	6,532	1,657	**73,806**	600	68,926	14,606	13,064	3,314	3,938	**104,448**	-30,642	275,506
2013	8,828	3,373	68,771	1,562	5,194	6,754	1,790	**96,272**	600	70,994	13,677	13,508	3,579	4,660	**107,018**	-10,747	264,759
2014	12,511	318,645	103,408	1,609	5,317	6,984	1,933	**450,406**	600	73,124	15,141	13,967	3,866	6,784	**113,482**	336,925	601,684
2015	5,142	0	26,644	1,657	5,437	7,221	2,088	**48,189**	600	75,317	15,107	14,442	4,175	2,533	**112,174**	-63,986	537,698
2016	6,876	12	44,369	1,707	5,561	7,467	2,255	**68,246**	600	77,577	16,066	14,933	4,509	3,536	**117,221**	-48,975	488,723
2017	7,573	8,986	35,181	1,758	5,687	7,720	2,435	**69,340**	600	79,904	13,503	15,441	4,870	3,936	**118,254**	-48,913	439,809
2018	3,626	0	14,269	1,811	5,817	7,983	2,630	**36,135**	600	82,301	12,860	15,966	5,259	1,659	**118,645**	-82,510	357,299
2019	4,599	0	41,206	1,865	5,950	8,254	2,840	**64,714**	600	84,770	14,859	16,509	5,680	2,220	**124,638**	-59,924	297,375
2020	3,943	0	12,734	1,921	6,085	8,535	3,067	**36,285**	600	87,313	14,528	17,070	6,135	1,842	**127,488**	-91,203	206,173
2021	13,033	214,856	98,220	1,979	6,225	8,825	3,313	**346,450**	600	89,933	15,230	17,650	6,625	7,085	**137,123**	209,327	415,500
2022	8,751	12,997	49,650	2,038	6,368	9,125	3,578	**92,507**	600	92,631	15,699	18,250	7,155	4,615	**138,951**	-46,444	369,056
2023	3,510	0	1,500	2,099	6,515	9,435	3,864	**26,923**	600	95,410	15,922	18,871	7,728	1,592	**140,122**	-113,199	255,857
2024	6,499	316	41,834	2,162	6,665	9,756	4,173	**71,405**	600	98,272	15,244	19,513	8,346	3,316	**145,290**	-73,885	181,972
2025	4,691	0	19,386	2,227	6,820	10,088	4,507	**47,719**	600	101,220	16,750	20,176	9,014	2,273	**150,033**	-102,314	79,658

Shaded areas represent outflows greater than safe yield.

Safe yield is 97,700.

- Agricultural Groundwater Pumping increase by 3.0%/yr
- Rural/Small Community Groundwater Pumping increase by 3.4%/yr
- Small Commercial Groundwater Pumping increase by 8.0%/yr
- Vineyard water use 1.25-1.50 acre-feet/year/acre
- Rural pumping 1.7 acre-feet/year/acre

Attachment 7
Paso Robles Groundwater Basin
Scenario 3

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	RuralSmall Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	RuralSmall Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,218	4,961	6,009	1,368	**31,966**	600	55,362	14,720	12,018	2,736	1,728	**87,164**	-55,198	-55,198
2011	11,810	339,592	108,688	1,236	5,062	6,111	1,423	**473,922**	600	56,192	13,970	12,222	2,846	6,390	**92,220**	381,702	326,504
2012	7,577	321	51,092	1,255	5,111	6,215	1,480	**73,051**	600	57,035	14,606	12,430	2,960	3,938	**91,569**	-18,518	307,985
2013	8,828	3,373	68,771	1,274	5,194	6,321	1,539	**95,299**	600	57,891	13,677	12,641	3,078	4,660	**92,547**	2,752	310,738
2014	12,511	318,645	103,408	1,293	5,317	6,428	1,601	**449,202**	600	58,759	15,141	12,856	3,201	6,784	**97,341**	351,861	662,599
2015	5,142	0	26,644	1,312	5,437	6,537	1,665	**46,737**	600	59,641	15,107	13,075	3,329	2,533	**94,284**	-47,547	615,051
2016	6,876	12	44,369	1,332	5,561	6,649	1,731	**66,529**	600	60,535	16,066	13,297	3,462	3,536	**97,496**	-30,967	584,084
2017	7,573	8,986	35,181	1,352	5,687	6,762	1,800	**67,341**	600	61,443	13,503	13,523	3,601	3,936	**96,606**	-29,265	554,819
2018	3,626	0	14,269	1,372	5,817	6,876	1,872	**33,833**	600	62,365	12,860	13,753	3,745	1,659	**94,982**	-61,149	493,670
2019	4,599	0	41,206	1,393	5,950	6,993	1,947	**62,088**	600	63,300	14,859	13,987	3,895	2,220	**98,861**	-36,772	456,898
2020	3,943	0	12,734	1,413	6,085	7,112	2,025	**33,313**	600	64,250	14,528	14,225	4,050	1,842	**99,495**	-66,182	390,716
2021	13,033	214,856	98,220	1,435	6,225	7,233	2,106	**343,108**	600	65,214	15,230	14,466	4,212	7,085	**106,807**	236,301	627,017
2022	8,751	12,997	49,650	1,456	6,368	7,356	2,190	**88,769**	600	66,192	15,699	14,712	4,381	4,615	**106,199**	-17,430	609,587
2023	3,510	0	1,500	1,478	6,515	7,481	2,278	**22,762**	600	67,185	15,922	14,962	4,556	1,592	**104,817**	-82,055	527,532
2024	6,499	316	41,834	1,500	6,665	7,608	2,369	**66,792**	600	68,192	15,244	15,217	4,738	3,316	**107,307**	-40,516	487,016
2025	4,691	0	19,386	1,523	6,820	7,738	2,464	**42,621**	600	69,215	16,750	15,475	4,928	2,273	**109,242**	-66,620	420,396

Shaded areas represent outflows greater than safe yield.
Safe yield is 97,700 AFY.

- Agricultural Groundwater Pumping increase by 1.5%/yr
- Rural/Small Community Groundwater Pumping increase by 1.7%/yr
- Small Commercial Groundwater Pumping increase by 4%/yr
- Vineyard water use 1.00-1.25 acre-feet/year/acre
- Rural pumping 1.7 acre-feet/year/acre

Attachment 8
Paso Robles Groundwater Basin
Scenario 4

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural/Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural/Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,026	4,961	6,009	1,368	**31,774**	600	46,621	14,720	12,018	2,736	1,728	**78,423**	-46,649	-46,649
2011	11,810	339,592	108,688	1,041	5,062	6,111	1,423	**473,727**	600	47,320	13,970	12,222	2,846	6,390	**83,348**	390,379	343,729
2012	7,577	321	51,092	1,057	5,111	6,215	1,480	**72,852**	600	48,030	14,606	12,430	2,960	3,938	**82,564**	-9,711	334,018
2013	8,828	3,373	68,771	1,073	5,194	6,321	1,539	**95,098**	600	48,751	13,677	12,641	3,078	4,660	**83,407**	11,691	345,710
2014	12,511	318,645	103,408	1,089	5,317	6,428	1,601	**448,998**	600	49,482	15,141	12,856	3,201	6,784	**88,064**	360,934	706,644
2015	5,142	0	26,644	1,105	5,437	6,537	1,665	**46,530**	600	50,224	15,107	13,075	3,329	2,533	**84,868**	-38,338	668,306
2016	6,876	12	44,369	1,122	5,561	6,649	1,731	**66,319**	600	50,977	16,066	13,297	3,462	3,536	**87,939**	-21,620	646,686
2017	7,573	8,986	35,181	1,138	5,687	6,762	1,800	**67,127**	600	51,742	13,503	13,523	3,601	3,936	**86,905**	-19,778	626,909
2018	3,626	0	14,269	1,155	5,817	6,876	1,872	**33,616**	600	52,518	12,860	13,753	3,745	1,659	**85,135**	-51,519	575,390
2019	4,599	0	41,206	1,173	5,950	6,993	1,947	**61,868**	600	53,306	14,859	13,987	3,895	2,220	**88,866**	-26,998	548,392
2020	3,943	0	12,734	1,190	6,085	7,112	2,025	**33,090**	600	54,106	14,528	14,225	4,050	1,842	**89,350**	-56,261	492,131
2021	13,033	214,856	98,220	1,208	6,225	7,233	2,106	**342,882**	600	54,917	15,230	14,466	4,212	7,085	**96,511**	246,371	738,502
2022	8,751	12,997	49,650	1,226	6,368	7,356	2,190	**88,539**	600	55,741	15,699	14,712	4,381	4,615	**95,748**	-7,209	731,293
2023	3,510	0	1,500	1,245	6,515	7,481	2,278	**22,529**	600	56,577	15,922	14,962	4,556	1,592	**94,209**	-71,681	659,612
2024	6,499	316	41,834	1,263	6,665	7,608	2,369	**66,555**	600	57,426	15,244	15,217	4,738	3,316	**96,541**	-29,986	629,626
2025	4,691	0	19,386	1,282	6,820	7,738	2,464	**42,381**	600	58,287	16,750	15,475	4,928	2,273	**98,313**	-55,932	573,694

Shaded areas represent outflows greater than safe yield.

Safe yield is 97,700 AFY.

- Agricultural Groundwater Pumping increase by 1.5%/yr
- Rural/Small Community Groundwater Pumping increase by 1.7%/yr
- Small Commercial Groundwater Pumping increase by 4%/yr
- Vineyard water use 0.75-1.00 acre-feet/year/acre
- Rural pumping 1.7 acre-feet/year/acre

Attachment 9
Paso Robles Groundwater Basin
Scenario 5

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural/Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural/Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,218	4,961	6,109	1,421	**32,119**	600	55,362	14,720	12,219	2,841	1,728	**87,470**	-55,351	-55,351
2011	11,810	339,592	108,688	1,255	5,062	6,317	1,534	**474,258**	600	57,023	13,970	12,634	3,069	6,390	**93,686**	380,572	325,221
2012	7,577	321	51,092	1,292	5,111	6,532	1,657	**73,582**	600	58,734	14,606	13,064	3,314	3,938	**94,256**	-20,673	304,548
2013	8,828	3,373	68,771	1,331	5,194	6,754	1,790	**96,041**	600	60,496	13,677	13,508	3,579	4,660	**96,520**	-479	304,068
2014	12,511	318,645	103,408	1,371	5,317	6,984	1,933	**450,168**	600	62,310	15,141	13,967	3,866	6,784	**102,668**	347,500	651,568
2015	5,142	0	26,644	1,412	5,437	7,221	2,088	**47,944**	600	64,180	15,107	14,442	4,175	2,533	**101,037**	-53,093	598,475
2016	6,876	12	44,369	1,454	5,561	7,467	2,255	**67,993**	600	66,105	16,066	14,933	4,509	3,536	**105,749**	-37,756	560,719
2017	7,573	8,986	35,181	1,498	5,687	7,720	2,435	**69,080**	600	68,088	13,503	15,441	4,870	3,936	**106,438**	-37,358	523,361
2018	3,626	0	14,269	1,543	5,817	7,983	2,630	**35,867**	600	70,131	12,860	15,966	5,259	1,659	**106,475**	-70,608	452,753
2019	4,599	0	41,206	1,589	5,950	8,254	2,840	**64,439**	600	72,235	14,859	16,509	5,680	2,220	**112,103**	-47,664	405,089
2020	3,943	0	12,734	1,637	6,085	8,535	3,067	**36,001**	600	74,402	14,528	17,070	6,135	1,842	**114,576**	-78,575	326,514
2021	13,033	214,856	98,220	1,686	6,225	8,825	3,313	**346,158**	600	76,634	15,230	17,650	6,625	7,085	**123,825**	222,333	548,847
2022	8,751	12,997	49,650	1,737	6,368	9,125	3,578	**92,205**	600	78,933	15,699	18,250	7,155	4,615	**125,253**	-33,047	515,800
2023	3,510	0	1,500	1,789	6,515	9,435	3,864	**26,613**	600	81,301	15,922	18,871	7,728	1,592	**126,014**	-99,401	416,399
2024	6,499	316	41,834	1,842	6,665	9,756	4,173	**71,086**	600	83,740	15,244	19,513	8,346	3,316	**130,759**	-59,673	356,726
2025	4,691	0	19,386	1,898	6,820	10,088	4,507	**47,389**	600	86,252	16,750	20,176	9,014	2,273	**135,065**	-87,675	269,051

Shaded areas represent outflows greater than safe yield.

Safe yield is 97,700 AFY.

- Agricultural Groundwater Pumping increase by 3.0%/yr
- Rural/Small Community Groundwater Pumping increase by 3.4%/yr
- Small Commercial Groundwater Pumping increase by 8.0%/yr
- Vineyard water use 1.00-1.25 acre-feet/year/acre
- Rural pumping 1.7 acre-feet/year/acre

Attachment 10
Paso Robles Groundwater Basin
Scenario 6

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural/Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural/Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,026	4,961	6,109	1,421	**31,927**	600	46,621	14,720	12,219	2,841	1,728	**78,729**	-46,802	-46,802
2011	11,810	339,592	108,688	1,056	5,062	6,317	1,534	**474,060**	600	48,020	13,970	12,634	3,069	6,390	**84,683**	389,377	342,575
2012	7,577	321	51,092	1,088	5,111	6,532	1,657	**73,378**	600	49,460	14,606	13,064	3,314	3,938	**84,982**	-11,604	330,971
2013	8,828	3,373	68,771	1,121	5,194	6,754	1,790	**95,830**	600	50,944	13,677	13,508	3,579	4,660	**86,968**	8,862	339,833
2014	12,511	318,645	103,408	1,154	5,317	6,984	1,933	**449,952**	600	52,472	15,141	13,967	3,866	6,784	**92,830**	357,122	696,954
2015	5,142	0	26,644	1,189	5,437	7,221	2,088	**47,721**	600	54,047	15,107	14,442	4,175	2,533	**90,904**	-43,183	653,771
2016	6,876	12	44,369	1,225	5,561	7,467	2,255	**67,764**	600	55,668	16,066	14,933	4,509	3,536	**95,312**	-27,548	626,223
2017	7,573	8,986	35,181	1,261	5,687	7,720	2,435	**68,844**	600	57,338	13,503	15,441	4,870	3,936	**95,688**	-26,844	599,379
2018	3,626	0	14,269	1,299	5,817	7,983	2,630	**35,624**	600	59,058	12,860	15,966	5,259	1,659	**95,402**	-59,778	539,601
2019	4,599	0	41,206	1,338	5,950	8,254	2,840	**64,188**	600	60,830	14,859	16,509	5,680	2,220	**100,698**	-36,510	503,091
2020	3,943	0	12,734	1,378	6,085	8,535	3,067	**35,743**	600	62,655	14,528	17,070	6,135	1,842	**102,829**	-67,087	436,004
2021	13,033	214,856	98,220	1,420	6,225	8,825	3,313	**345,892**	600	64,534	15,230	17,650	6,625	7,085	**111,725**	234,167	670,171
2022	8,751	12,997	49,650	1,462	6,368	9,125	3,578	**91,931**	600	66,470	15,699	18,250	7,155	4,615	**112,790**	-20,859	649,312
2023	3,510	0	1,500	1,506	6,515	9,435	3,864	**26,331**	600	68,465	15,922	18,871	7,728	1,592	**113,177**	-86,847	562,465
2024	6,499	316	41,834	1,551	6,665	9,756	4,173	**70,795**	600	70,518	15,244	19,513	8,346	3,316	**117,537**	-46,742	515,723
2025	4,691	0	19,386	1,598	6,820	10,088	4,507	**47,090**	600	72,634	16,750	20,176	9,014	2,273	**121,447**	-74,357	441,366

Shaded areas represent outflows greater than safe yield.
Safe yield is 97,700 AFY.

- Agricultural Groundwater Pumping increase by 3.0%/yr
- Rural/Small Community Groundwater Pumping increase by 3.4%/yr
- Small Commercial Groundwater Pumping increase by 8.0%/yr
- Vineyard water use 0.75-1.00 acre-feet/year/acre
- Rural pumping 1.7 acre-feet/year/acre

Attachment 11
Paso Robles Groundwater Basin
Scenario 7

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural/Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural/Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,409	4,961	3,535	1,368	**29,682**	600	64,023	14,720	7,069	2,736	1,728	**90,877**	-61,194	-61,194
2011	11,810	339,592	108,688	1,430	5,062	3,595	1,423	**471,599**	600	64,984	13,970	7,190	2,846	6,390	**95,979**	375,621	314,426
2012	7,577	321	51,092	1,451	5,111	3,656	1,480	**70,688**	600	65,958	14,606	7,312	2,960	3,938	**95,374**	-24,686	289,740
2013	8,828	3,373	68,771	1,473	5,194	3,718	1,539	**92,896**	600	66,948	13,677	7,436	3,078	4,660	**96,399**	-3,503	286,238
2014	12,511	318,645	103,408	1,495	5,317	3,781	1,601	**446,758**	600	67,952	15,141	7,562	3,201	6,784	**101,240**	345,517	631,755
2015	5,142	0	26,644	1,517	5,437	3,846	1,665	**44,250**	600	68,971	15,107	7,691	3,329	2,533	**98,231**	-53,981	577,774
2016	6,876	12	44,369	1,540	5,561	3,911	1,731	**64,000**	600	70,006	16,066	7,822	3,462	3,536	**101,492**	-37,492	540,283
2017	7,573	8,986	35,181	1,563	5,687	3,977	1,800	**64,768**	600	71,056	13,503	7,955	3,601	3,936	**100,650**	-35,882	504,400
2018	3,626	0	14,269	1,587	5,817	4,045	1,872	**31,216**	600	72,122	12,860	8,090	3,745	1,659	**99,075**	-67,859	436,541
2019	4,599	0	41,206	1,610	5,950	4,114	1,947	**59,426**	600	73,203	14,859	8,227	3,895	2,220	**103,004**	-43,578	392,963
2020	3,943	0	12,734	1,635	6,085	4,184	2,025	**30,605**	600	74,301	14,528	8,367	4,050	1,842	**103,689**	-73,084	319,879
2021	13,033	214,856	98,220	1,659	6,225	4,255	2,106	**340,354**	600	75,416	15,230	8,510	4,212	7,085	**111,053**	229,301	549,181
2022	8,751	12,997	49,650	1,684	6,368	4,327	2,190	**85,968**	600	76,547	15,699	8,654	4,381	4,615	**110,496**	-24,529	524,652
2023	3,510	0	1,500	1,709	6,515	4,401	2,278	**19,913**	600	77,695	15,922	8,801	4,556	1,592	**109,167**	-89,254	435,398
2024	6,499	316	41,834	1,735	6,665	4,476	2,369	**63,894**	600	78,861	15,244	8,951	4,738	3,316	**111,710**	-47,817	387,581
2025	4,691	0	19,386	1,761	6,820	4,552	2,464	**39,673**	600	80,044	16,750	9,103	4,928	2,273	**113,698**	-74,024	313,557

Shaded areas represent outflows greater than safe yield.

Safe yield is 97,700 AFY.

- Agricultural Groundwater Pumping increase by 1.5%/yr
- Rural/Small Community Groundwater Pumping increase by 1.7%/yr
- Small Commercial Groundwater Pumping increase by 4%/yr
- Vineyard water use 1.25-1.50 acre-feet/year/acre
- Rural pumping 1.0 acre-feet/year/acre

Attachment 12
Paso Robles Groundwater Basin
Scenario 8

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural\Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural\Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	Total Outflow (acre-feet)	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	3,746	0	14,664	1,429	4,961	3,594	1,421	**29,815**	600	64,969	14,720	7,188	2,841	1,728	**92,046**	-62,231	-62,231
2011	11,810	339,592	108,688	1,472	5,062	3,716	1,534	**471,875**	600	66,918	13,970	7,432	3,069	6,390	**98,379**	373,495	311,264
2012	7,577	321	51,092	1,516	5,111	3,842	1,657	**71,117**	600	68,926	14,606	7,685	3,314	3,938	**99,069**	-27,952	283,312
2013	8,828	3,373	68,771	1,562	5,194	3,973	1,790	**93,491**	600	70,994	13,677	7,946	3,579	4,660	**101,456**	-7,966	275,346
2014	12,511	318,645	103,408	1,609	5,317	4,108	1,933	**447,531**	600	73,124	15,141	8,216	3,866	6,784	**107,730**	339,800	615,147
2015	5,142	0	26,644	1,657	5,437	4,248	2,088	**45,215**	600	75,317	15,107	8,495	4,175	2,533	**106,228**	-61,012	554,134
2016	6,876	12	44,369	1,707	5,561	4,392	2,255	**65,171**	600	77,577	16,066	8,784	4,509	3,536	**111,072**	-45,901	508,234
2017	7,573	8,986	35,181	1,758	5,687	4,541	2,435	**66,161**	600	79,904	13,503	9,083	4,870	3,936	**111,896**	-45,734	462,499
2018	3,626	0	14,269	1,811	5,817	4,696	2,630	**32,848**	600	82,301	12,860	9,392	5,259	1,659	**112,071**	-79,223	383,276
2019	4,599	0	41,206	1,865	5,950	4,855	2,840	**61,316**	600	84,770	14,859	9,711	5,680	2,220	**117,840**	-56,525	326,751
2020	3,943	0	12,734	1,921	6,085	5,021	3,067	**32,771**	600	87,313	14,528	10,041	6,135	1,842	**120,459**	-87,688	239,063
2021	13,033	214,856	98,220	1,979	6,225	5,191	3,313	**342,816**	600	89,933	15,230	10,383	6,625	7,085	**129,856**	212,961	452,024
2022	8,751	12,997	49,650	2,038	6,368	5,368	3,578	**88,749**	600	92,631	15,699	10,736	7,155	4,615	**131,436**	-42,686	409,337
2023	3,510	0	1,500	2,099	6,515	5,550	3,864	**23,038**	600	95,410	15,922	11,101	7,728	1,592	**132,352**	-109,314	300,024
2024	6,499	316	41,834	2,162	6,665	5,739	4,173	**67,388**	600	98,272	15,244	11,478	8,346	3,316	**137,256**	-69,868	230,156
2025	4,691	0	19,386	2,227	6,820	5,934	4,507	**43,565**	600	101,220	16,750	11,868	9,014	2,273	**141,725**	-98,160	131,996

Shaded areas represent outflows greater than safe yield.

Safe yield is 97,700 AFY.

- Agricultural Groundwater Pumping increase by 3.0%/yr
- Rural/Small Community Groundwater Pumping increase by 3.4%/yr
- Small Commercial Groundwater Pumping increase by 8.0%/yr
- Vineyard water use 1.25-1.50 acre-feet/year/acre
- Rural pumping 1.0 acre-feet/year/acre

Attachment 13
Atascadero Subbasin

Water Year	Subsurface Inflow (acre-feet)	Precipitation Percolation (acre-feet)	Streambed Percolation (acre-feet)	Irrigation Return Flow (acre-feet)	Urban Wastewater Discharge (acre-feet)	Rural/Small Community Wastewater Discharge (acre-feet)	Small Commercial Wastewater Discharge (acre-feet)	Total Inflow (acre-feet)	Subsurface Outflow (acre-feet)	Agricultural Groundwater Pumping (acre-feet)	Urban Groundwater Pumping (acre-feet)	Rural/Small Community Groundwater Pumping (acre-feet)	Small Commercial Groundwater Pumping (acre-feet)	Phreatophyte Extraction (acre-feet)	**Total Outflow (acre-feet)**	Annual Storage Change (acre-feet)	Cumulative Storage Change (acre-feet)
2010	398	0	6,966	33	1,542	924	244	**10,107**	150	1,492	10,673	1,848	487	81	**14,732**	-4,625	-4,625
2011	1,203	14,712	17,591	33	1,547	940	253	**36,279**	150	1,515	10,306	1,880	507	301	**14,658**	21,621	16,996
2012	781	1,548	11,083	34	1,554	956	263	**16,219**	150	1,538	11,385	1,912	527	185	**15,696**	523	17,519
2013	905	5,439	13,080	34	1,560	972	274	**22,264**	150	1,561	10,362	1,944	548	219	**14,784**	7,481	25,000
2014	1,273	16,893	16,994	35	1,571	989	285	**38,039**	150	1,584	11,692	1,977	570	320	**16,293**	21,746	46,746
2015	538	11	8,320	35	1,577	1,005	296	**11,783**	150	1,608	11,519	2,011	593	119	**15,999**	-4,216	42,530
2016	711	509	10,323	36	1,583	1,022	308	**14,493**	150	1,632	12,337	2,045	616	166	**16,946**	-2,454	40,077
2017	780	1,537	9,285	36	1,588	1,040	321	**14,587**	150	1,656	10,629	2,080	641	185	**15,341**	-754	39,322
2018	386	0	6,922	37	1,593	1,058	333	**10,329**	150	1,681	9,837	2,115	667	77	**14,527**	-4,198	35,124
2019	483	0	9,965	38	1,599	1,075	347	**13,507**	150	1,706	11,683	2,151	693	104	**16,488**	-2,981	32,143
2020	418	0	6,748	38	1,603	1,094	361	**10,261**	150	1,732	11,195	2,188	721	86	**16,072**	-5,810	26,333
2021	1,325	18,515	16,408	39	1,607	1,112	375	**39,381**	150	1,758	11,736	2,225	750	334	**16,953**	22,428	48,761
2022	898	5,198	10,920	39	1,611	1,131	390	**20,188**	150	1,784	12,040	2,263	780	217	**17,234**	2,954	51,715
2023	375	0	5,071	40	1,615	1,151	406	**8,657**	150	1,811	12,093	2,301	811	74	**17,240**	-8,583	43,131
2024	673	332	10,036	40	1,619	1,170	422	**14,292**	150	1,838	11,241	2,340	844	156	**16,569**	-2,277	40,855
2025	493	0	7,500	41	1,623	1,190	439	**11,286**	150	1,866	12,567	2,380	877	106	**17,946**	-6,660	34,194

Shaded areas represent outflows greater than safe yield.
Safe yield is 16,400 AFY.

- Agricultural Groundwater Pumping increase by 2.5%/yr
- Rural/Small Community Groundwater Pumping increase by 0.5%/yr
- Small Commercial Groundwater Pumping increase by 3%/yr
- Vineyard water use 1.25-1.50 acre-feet/year/acre
- Rural pumping 1.7 acre-feet/year/acre

Attachment 14

Winery Water Conservation Best Management Practices
Prepared for the Paso Robles Wine Community
By the Wine Industry Water Committee established July 20th, 2010

1. Conducting a Water Audit:

Water usage should be measured and tracked annually through a Water Audit to increase the potential for saving water by identifying areas where water is wasted or could be reused. The following steps should be used as a general guide to conducting a water audit.

- Identify the major water lines. Determine the quality, quantity, and temperature of water carried by each line.
- Identify all points where water is used, including hose connections. Determine the quantity of water used at each point.
- Determine the capacity and frequency of emptying for each water-containing unit.
- Determine the capacity of each continuous discharge not yet being reused.
- Determine flow rates in floor gutters and whether in the flows are adequate to prevent accumulation of solids.
- Review water use in visitor-serving areas (restrooms, kitchen, and outdoor paved areas).

Results of the audit should be used to make decisions on maintenance, capital improvements and employee training.

2. Employee Training:

Employees, managers, and operators should be encouraged to practice good water conserving measures and taught the importance of water conservation from a resource and business standpoint. Feedback on performance (i.e. monthly water usage) needs to be shared and discussed regularly.

3. Winemaking Operations:

Water conserving measures should be used for activities during the winemaking process including crush operations, press, tank, and barrel washing and barrel soaking. These measures should include, but not be limited to: a) conducting crush and press activities outside and covered wherever feasible to reduce "baking" of waste material on equipment surface; b) pre-cleaning with appropriate tools (e.g. a stiff brush or squeegee) should occur to loosen and remove large material before wash-down; c) use of a timing system, shut-off valve and/or hot water on high pressure washers or hoses for cleaning processing equipment, tanks, floors, etc. should be installed wherever feasible; d) wash down and barrel soaking is conducted with knowledge of wastewater or septic system capacity.

4. Written Procedures:

All written winery procedures should have water conservation elements included with specifics spelled out for rinse times, wash down, water conserving measures, etc.

5. Landscape:

a) Landscaping is drip-irrigated from recycled water, whenever feasible, and has automatic irrigation that is set to water all of the plants on an alternating day frequency; b) Irrigation lines are checked monthly for leaks, as well as defective emitters and sprinkler heads; c) 50% of the landscaping utilizes drought-tolerant plants; d) Mulch or compost is applied once a year; e) Turf is minimized.

The Seasons of Agriculture

2004 Annual Report

San Luis Obispo County Department of Agriculture/Weights & Measures

San Luis Obispo County Department of Agriculture Weights and Measures

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Janice Campbell **Richard Little** **Martin Settevendemie**

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Lynda Auchinachie

Agricultural Resource Specialist
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Mapping/Graphics Systems Specialist
Marlene Bartsch

Agricultural Inspector/Biologists
Lisa Chadwick **Tamara Kleemann** **Kirk Schram**
Catherine Darling **Marc Lea** **MaryBeth St. Amand**
Dale Donaghe **Karen Lowerison** **Robert Stockel**
Francisco Focha **Edwin Moscoso** **Cara Taylor**
Judy Groat **Heidi Quiggle** **Jenny Weaver**
Rusty Hall **John Schmitz** **Jennifer Welch**

Weights & Measures Inspectors
Curtis Clark **Jan Hendrix** **Robert Lopez**

Agricultural/Weights & Measures Technicians
Nancy Barger **Christine Linné** **Manuel Mendoza-Calderon**
Nancy David **Roxy McIntosh** **Tom Morgan**
Kerry DeCarli **Gail Perez**

Calendar Year Contributions
Shelley Shaul **Bailey Smith** **John Warrick**

The Seasons of Agriculture

Although San Luis Obispo County generally enjoys a temperate coastal climate, the seasons reveal themselves in nature's grand scheme sometimes subtly, and, in other areas of our vast landscape, more obviously. To those who work the land season-to-season, we dedicate "The Seasons of Agriculture" annual report.

About the Cover...

The beautiful artwork featured on the cover and throughout this publication was created by Dotty Hawthorne. Her renderings skillfully capture each of the four seasons from a vantage point in the Edna Valley, where Chardonnay grape vineyards reveal the ever-changing seasons in a spectrum of colors and textures. For details about Dotty's "Edna Valley Vista" paintings and more artwork of Dotty Hawthorne, please visit her website at www.dottyhawthorne.com.

Artist Comments...

"As a native of the Midwest, I grew up with the traditional seasonal colors of winter white, pastel spring, deep green summers and autumn with its colorful golds and yellows. It has been fascinating to go from thinking there was little seasonal variation to seeing the subtle but distinct seasonal changes of the Central Coast. These changes are particularly evident as I paint the beautiful vineyards and fields of this area. The contrasts between developing fields with the changing colors of the background hills make fascinating subject matter as I explore and paint our unique landscape."

— Dotty Hawthorne

Cover Artwork: Edna Valley Vista paintings by Dotty Hawthorne
Project Manager: Lynda Auchinachie
Photography: Chris Morris
Creative Collaborator: Judy Groat
Design and Layout: graphics by Rick's
Printing: Gold Print

A Note from Robert Lilley

San Luis Obispo County Agricultural Commissioner/Sealer

Sunset Over Paso photo by Claire Slover

San Luis Obispo County crop production for 2004 continued to increase in overall value from previous years due to expanding receipts from the animal, fruit and nut and nursery production categories. Economic values recorded in this report are farmgate or wholesale prices paid to local producers for their crops. This report does not attempt to show profit from agricultural production or place a value on processed products, such as wine produced from our county's numerous wineries.

Significant increases in value occurred in cattle and calves, avocados, bell peppers, and cut flowers, while reductions occurred in apples, strawberries and vegetable crops. Wine grape values increased modestly and appear to be rebounding from statewide overproduction during the last few years.

Overall, increases outpaced reductions for a total estimated value of the County's agricultural production of $539,436,000 for 2004.

This year's theme, "The Seasons of Agriculture," portrays the seasonal changes in San Luis Obispo County's diversified agricultural production and highlights the numerous events and opportunities that celebrate the agricultural seasons. Locals and visitors alike continue to flock to the many popular events that showcase our wine grape, fruit production, and expanding wholesale nursery industries, and to purchase crops directly from the growers at our seventeen farmers' markets throughout the county. Please enjoy the photographs and information depicting the local seasons of agriculture. As you can see, San Luis Obispo County agriculture, tourism, and sales opportunities merge to provide an abundant contribution to the local economy and our quality of life.

I would like to thank our hard working staff and our entire agricultural industry for their valuable input in the production of this report.

Robert Lilley

Greetings, from The **Orchid House**

Come on in and meet Patti Powell James, co-owner with her brother Michael Powell *(not pictured)* of The Orchid House, a thriving commercial orchid nursery nestled in Los Osos, and home to the Powell family for over 47 years.

Their father, Norris Powell, and his wife, Betty, moved their orchid nursery business from southern California in 1958 to a nearly 100 acre piece of land in Los Osos that Norris had purchased a few years before. Here the Powell family became the first business of its kind in San Luis Obispo County.

Beginning in the 1970s Norris traveled all over the world trading and collecting plants. His expertise in orchid propagation grew directly from his enthusiasm and passion for orchids. He developed hybrids and was the pioneer of the *Paphiopedilum*, a genus of orchids also called Lady Slipper, now widely grown in greenhouses by orchid fanciers. Patti *(pictured above)* is holding a magnificent mahogany *Paphiopedilum* known as Ryan Thomas variety 'Michelle' named after her grandson, Ryan, and daughter, Michelle. The Powells have developed many other orchid hybrids, some also named after family members. Each new variety is officially registered with the Royal Horticultural Society in England.

Norris' dedication and joy in his work was dearly evident by the fact that he worked daily until the age of 94. Since her father's passing earlier this year, at the age of 97, Patti's determination and drive, characteristics passed down from her parents, have enabled her to continue the hectic job of running the family's 5-acre greenhouse, a business that shows and ships plants all over the world. February through April is their busiest time of year during the orchid show season. They have traveled as far away as Japan to show their orchids.

When asked what she attributed her father's business success to, Patti replied, "he was a good talker, a great sales person, and had a passion for the business." Betty, his wife of 63 years, who passed away in 2001, handled the secretarial duties. It was their teamwork that built and sustained their successful business for nearly half a century.

The near future holds retirement plans for Patti so that she can spend more time with her grandchildren Ryan and Julia.

The agricultural community applauds the Powell family for their loyalty and sends best wishes for a bright future.

The Seasons of Agriculture

HAVE YOU EVER HEARD THE COMMENT THAT COASTAL CALIFORNIA DOES NOT HAVE DISTINCT SEASONS? In San Luis Obispo County the changing scenery of our local agriculture defines our seasons in many ways.

Spring arrives with bright yellow-green budding vineyards, deep golden grain fields ready for harvest, and a dramatic display of pink and white blossoms of fruit and nut trees, while fields of deep red strawberries and lush green, purple and red vegetables grow right into summer. The transition to fall is characterized by the red and yellow colors of post-harvest vineyards, the arrival of newborn calves sprinkled across golden hillsides and bright orange pumpkins lined-up in fields. Winter provides the contrast of dormant vineyards and trees with brilliant green rangeland.

Within local greenhouses, seasonal signals are everywhere. Brilliant, multi-colored poinsettia plants for Christmas, deep red roses for Valentine's Day and Mother's Day, pure white Easter Lilies for Easter and springtime decoration, and orange, gold and bronze chrysanthemum plants for Thanksgiving all enhance our holiday celebrations. In adjacent fields, local nurseries grow seasonally colorful plants for our own landscapes.

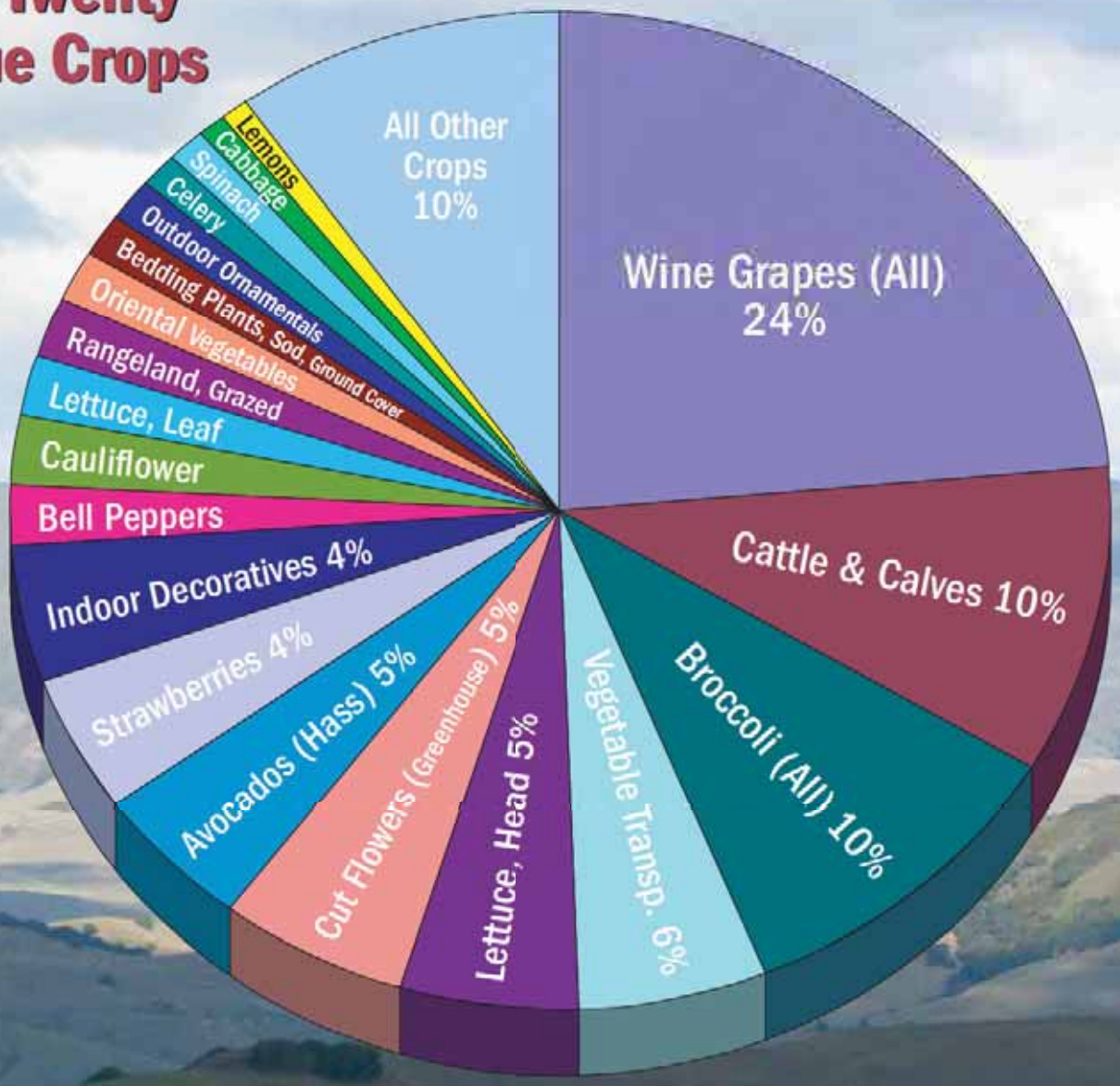
This changing scenery provides a daily reminder of the abundance of fresh products grown in San Luis Obispo County.

As a community we have ample opportunity to celebrate these seasons by gathering for events recognizing our agricultural heritage and accomplishments. Annual events are located throughout the county and include the long-standing California Mid-State Fair, as well as the popular Paso Robles Wine Festival, the Central Coast Greenhouse Growers' Annual Open House, Arroyo Grande's Strawberry and Harvest Festivals, the year-old Paso Olive Festival, and many others. In addition to the annual events, locals and visitors alike partake in seasonal rituals such as visiting their favorite berry fields for fresh picked berries or See Canyon for crisp apples and cider.

Local Farmers' Markets provide year-round opportunities to discover what's new and in season and a chance to meet the hard-working producers.

The following pages include this year's agricultural vital statistics, interspersed with reflections of the ways in which our communities celebrate the abundance and variety of products grown in San Luis Obispo County throughout the seasons.

Top Twenty Value Crops



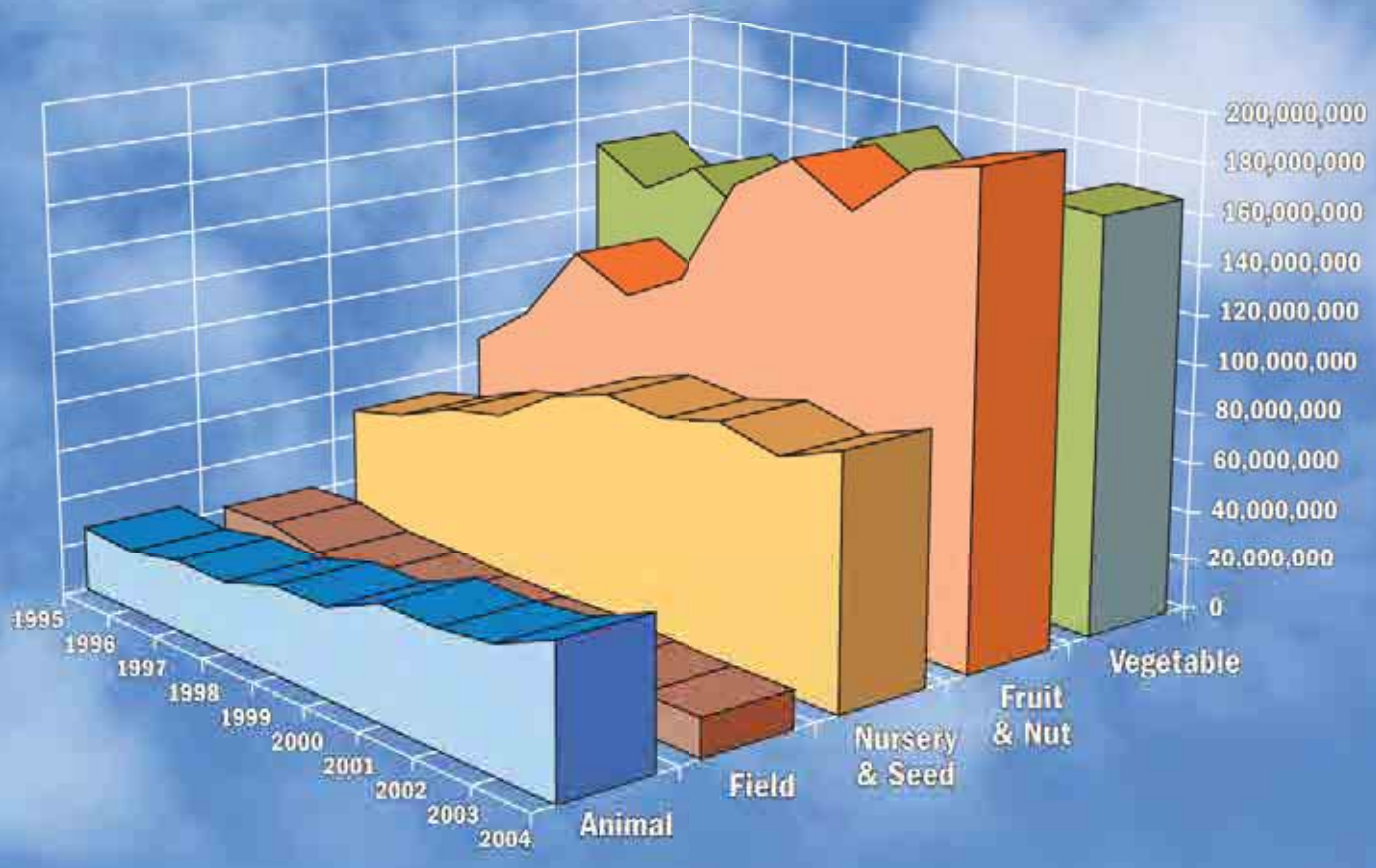
San Luis Obispo County 2004

	Commodity	Valuation
1.	Grapes, Wine (All)	$127,435,000
2.	Cattle and Calves	54,427,000
3.	Broccoli (All)	54,342,000
4.	Vegetable Transplants	30,060,000
5.	Lettuce, Head	29,453,000
6.	Cut Flowers (Greenhouse)	29,450,000
7.	Avocados (Hass)	25,823,000
8.	Strawberries	23,697,000
9.	Indoor Decoratives	23,173,000
10.	Bell Peppers	11,471,000
11.	Cauliflower	11,435,000
12.	Lettuce, Leaf	11,257,000
13.	Rangeland, Grazed	10,250,000
14.	Oriental Vegetables	9,352,000
15.	Bedding Plants, Sod, & Ground Cover	7,625,000
16.	Outdoor Ornamentals	6,529,000
17.	Celery	5,987,000
18.	Spinach	5,497,000
19.	Cabbage	4,700,000
20.	Lemons	4,458,000

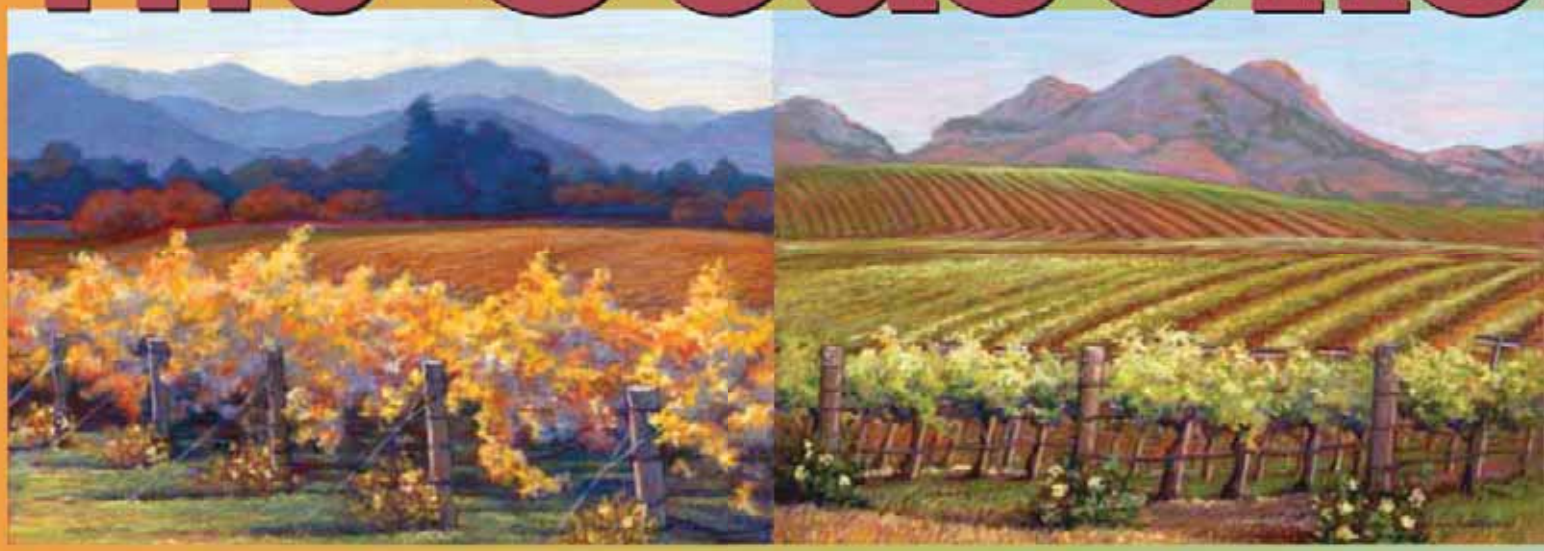
Comparison of Valuation of Major Groups During the Past Ten Years

YEAR	ANIMAL	FIELD	NURSERY & SEED	FRUIT & NUT	VEGETABLE	TOTAL
1995	26,188,000	21,340,000	50,534,000	70,975,000	147,771,000	316,808,000
1996	24,513,000*	22,445,000	55,889,000*	88,932,000*	134,047,000	325,826,000*
1997	29,223,000	18,056,000	65,486,000	120,912,000	148,129,000	381,806,000
1998	28,665,000	17,614,000	70,296,000	109,351,000	132,895,000	358,821,000
1999	36,031,000	16,296,000	85,353,000	122,450,000	135,393,000	395,523,000
2000	36,012,000*	16,053,000*	93,171,000	166,779,000	175,643,000	487,658,000*
2001	46,517,000	17,025,000	90,908,000*	182,415,000	152,531,000	489,396,000*
2002	46,161,000	15,595,000	97,377,000	167,555,000*	156,687,000	483,375,000*
2003	49,181,000	15,161,500	91,476,000	189,144,000*	168,423,000	513,385,500*
2004	59,620,000	15,342,100	101,156,000	195,712,000	167,606,000	539,436,100

*REVISED



The Seasons



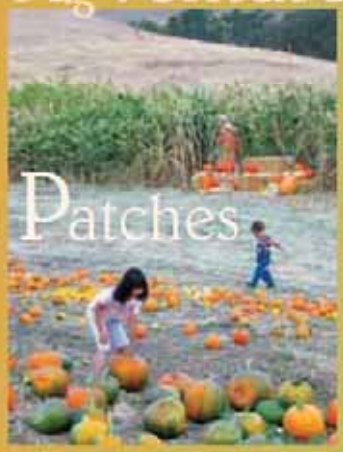
Celebrating Agriculture Throughout the Seasons in San Luis Obispo County

Harvest celebrations date back to the dawn of mankind's agricultural history. Today, the bounty of each season is embraced locally through a variety of activities and events. Whether held to promote the commodity, or bring more visitors to our county, these annual activities are a cause for each community to celebrate and enjoy the fruits of agriculturalists' labors.

Paso Robles Harvest Wine Tour

See Canyon The Great Apple Season

AgVenture



Pumpkin Patches

San Luis Obispo Vintners & Growers Association Wine Harvest Celebration

Central Coast Greenhouse Growers Association Open House

Central Coast Orchid Show

Paso Robles Farm & Ranch Expo

Arroyo Grande Strawberry Festival

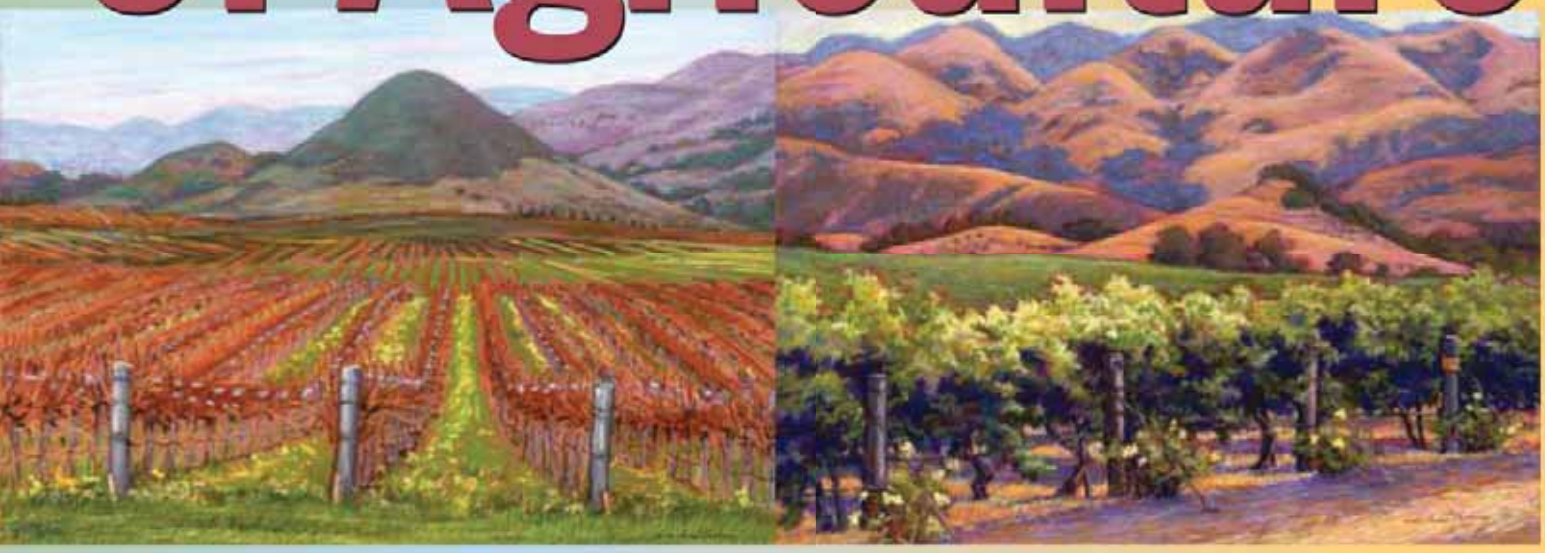
Iris Farms in Bloom

Paso Robles Wine Festival

Farmers' MARKETS

California Ag Day

# of Agriculture



Ag Awareness Tour

U-pick Berries

Paso Robles

Avocado Harvest

California Mid-State FAIR

Olive Festival

Citrus

Arroyo Grande Harvest Festival

Choose and Cut Christmas Trees

San Luis Obispo Winterfood FESTIVAL

Roadside Fruit & Vegetable Stands

Animal Industry

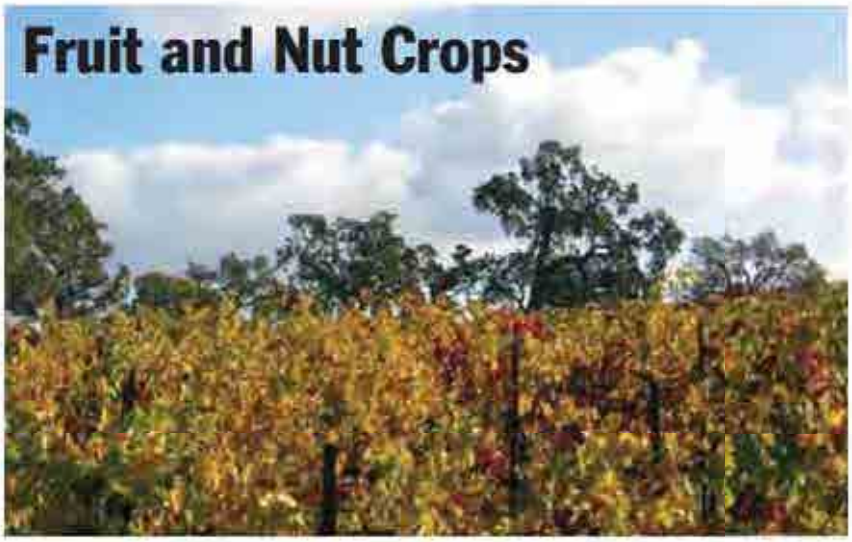
Commodity	Year	No. of Head	Production	Unit	Per Unit	Total
Cattle and Calves	2004	92,000	625,600	Cwt	87.00	$54,427,000
	2003	85,000	552,500	Cwt	81.00	$44,753,000
Milk*	2004					
	2003		31,150	Cwt	13.00	405,000
Sheep and Lambs	2004	6,250	6,161	Cwt	108.00	665,000
	2003	5,800	5,940	Cwt	105.00	624,000
Miscellaneous*	2004					4,528,000
	2003					3,399,000
TOTAL	**2004**					**$59,620,000**
Animal Industry	**2003**					**$49,181,000**

* Aquaculture, Bees Wax, Eggs, Game Birds, Hogs, Honey, Milk, Pollen & Pollination, Poultry, Wool

Despite drought conditions throughout the county, the cattle industry continued to increase the number of head of cattle sold and fetched near-record prices.

Sheep production also remains strong, with slight increases in production and prices.

Fruit and Nut Crops



The vineyard industry remains strong, with a slight increase in production coming from vines planted in 2000-2001 that are now bearing fruit.

Apple production continues to decline, due to existing trees being replaced by stone fruit.

Avocado yields were heavy with moderate prices.

		Acreage		Production				
Crop	Year	Planted	Bearing	Per Acre	Total	Unit	Per Unit	Total
Apples	2004	860	860	10.060	8,652	Ton	$259.00	$2,241,000
	2003	1483	1,334	8.800	11,739	Ton	$594.00	$6,973,000
Avocados (Hass)	2004	4401	2,745	5.330	14,631	Ton	1,765.00	25,823,000
	2003	4144	2,196	3.000	6,588	Ton	2,460.00	16,206,000
Avocados (Other)	2004	210	189	2.540	480	Ton	545.00	262,000
	2003	210	189	1.910	361	Ton	331.00	119,000
Grapes, Wine (All)	2004	34,199	31,913		127,788			127,435,000
	2003	34,199	29,626		115,188			123,454,000
Chardonnay	2004		3,742	4.647	17,389	Ton	1,073.00	18,658,000
	2003		3,705	4.630	17,154	Ton	1,115.00	19,127,000
Sauvignon Blanc	2004		888	5.290	4,698	Ton	854.00	4,012,000
	2003		888	5.620	4,991	Ton	843.00	4,207,000
White Wine (Other)	2004		1,352	4.928	6,663	Ton	898.00	5,983,000
	2003		1,255	5.140	6,451	Ton	887.00	5,722,000
Cabernet Sauvignon	2004		11,421	3.600	41,116	Ton	940.00	38,649,000
	2003		10,472	3.670	38,432	Ton	1,077.00	41,392,000
Merlot	2004		4,476	5.210	23,320	Ton	1,019.00	23,763,000
	2003		4,156	4.200	17,455	Ton	1,127.00	19,672,000
Pinot Noir	2004		964	2.515	2,424	Ton	2,265.00	5,491,000
	2003		895	1.560	1,396	Ton	2,534.00	3,538,000
Syrah	2004		2,518	3.261	8,211	Ton	1,120.00	9,197,000
	2003		2,338	3.270	7,645	Ton	1,191.00	9,106,000
Zinfandel	2004		2,785	3.765	10,486	Ton	755.00	7,917,000
	2003		2,586	3.940	10,189	Ton	785.00	7,998,000
Red Wine (Other)	2004		3,767	3.579	13,482	Ton	1,021.00	13,765,000
	2003		3,331	3.445	11,475	Ton	1,106.00	12,692,000
Lemons	2004	1643	1,479	14.490	21,431	Ton	208.00	4,458,000
	2003	1643	1,405	14.370	20,190	Ton	225.55	4,554,000
Strawberries	2004	800	800	36.080	28,864	Ton	821.00	23,697,000
	2003 **	775	775	37.460	29,032	Ton	1,017.16	29,530,000
Valencia Oranges	2004	304	288	20.580	5,927	Ton	130.96	776,000
	2003	361	288	10.400	2,995	Ton	100.09	300,000
English Walnuts	2004	3263	2,709	0.260	704	Ton	1,180.00	831,000
	2003	3281	2,727	0.280	764	Ton	479.00	366,000
Miscellaneous*	2004	2797	2,097					10,189,000
	2003	3003	3,003					7,642,000
TOTAL	**2004**	**48,477**	**43,080**					**$195,712,000**
Fruit & Nut Crops	**2003 ****	**49,099**	**41,543**					**$189,144,000**

* Almonds, Apricots, Asian Pears, Black Walnuts, Bushberries, Cherries, Feijoas, Grapefruit, Horned Melons, Kiwis, Limes, Navel Oranges, Nectarines, Olives, Peaches, Pears, Pepinos, Persimmons, Pistachios, Pomegranates, Quince, Table Grapes, Tangelos

** Revised

Vegetable Crops

Plantings of specialty vegetable crops in northern San Luis Obispo County have become a new and emerging seasonal crop, meeting the market demands for "baby" leaf lettuces and spinach. Bell pepper growers reaped near-record prices. Production of edible pod peas continued to decline in planted acreage and values due to competition from foreign sources. Record-breaking high temperatures in April reduced yields of many vegetable crops.

Crop	Year	Harvested Acreage	Production Per Acre	Total	Unit	Per Unit	Total
Bell Peppers	2004	807	1,030.0	831,210	30#	13.80	$11,471,000
	2003	837	1,041.0	871,317	30#	5.40	$4,705,000
Broccoli (All)	2004	11,971	621.0	7,433,991	23#	7.31	54,342,000
	2003	10,906	624.0	6,805,344	23#	7.02	47,774,000
Cabbage	2004	1,309	704.0	921,536	45#	5.10	4,700,000
	2003	1,174	711.0	834,714	45#	5.83	4,866,000
Cauliflower	2004	2,315	687.0	1,590,405	25#	7.19	11,435,000
	2003	2,712	730.0	1,979,760	25#	7.71	15,264,000
Celery	2004	805	1,139.0	916,895	60#	6.53	5,987,000
	2003	1,110	1,143.0	1,268,730	60#	6.79	8,615,000
Lettuce, Head	2004	6,048	773.0	4,675,104	50#	6.30	29,453,000
	2003	6,539	673.0	4,400,747	50#	8.38	36,878,000
Lettuce, Leaf	2004	2,434	740.0	1,801,160	25#	6.25	11,257,000
	2003	1,735	698.0	1,211,030	25#	7.83	9,482,000
Oriental Vegetables	2004	1,363	953.0	1,298,939	80#	7.20	9,352,000
	2003	1,938	654.0	1,267,452	80#	9.46	11,990,000
Peas, Edible Pod	2004	1,283	406.0	520,898	10#	8.30	4,323,000
	2003	1,883	614.0	1,156,162	10#	7.68	8,879,000
Spinach	2004	791	1,019.0	806,029	20#	6.82	5,497,000
	2003	373	805.0	300,265	20#	6.38	1,916,000
Squash	2004	283	917.0	259,511	30#	7.83	2,032,000
	2003	260	867.0	225,420	30#	5.73	1,292,000
Tomato	2004	49	521.0	25,529	20#	11.63	297,000
	2003	33	2,125.0	70,125	20#	15.83	1,110,000
Miscellaneous*	2004	3,767					17,460,000
	2003	3,377					15,652,000
TOTAL	**2004**	**33,225**					**$167,606,000**
Vegetable Crops	**2003**	**32,877**					**$168,423,000**

* Anise, Artichokes, Arugula, Beans, Beets, Brussel Sprouts, Carrots, Chard, Chili Peppers, Cilantro, Collards, Cucumbers, Daikon, Dandelion, Dill, Endive, Escarole, Fennel, Garlic, Herbs, Kale, Leeks, Melons, Mushrooms, Mustard, Onions, Parsley, Parsnips, Popcorn, Potatoes, Pumpkins, Radishes, Sweet Corn, Tomatillos, Turnips, Watermelons

Nursery Products

Cut flower growers have found new, innovative ways to market their crops, increasing the value significantly. Seed production, mainly flower and vegetable seed, has increased, boosting the planted acreage in the "miscellaneous" category.

Crop	Year	Field Production (acres)	Greenhouse Production (sq ft)	Value
Bedding Plants, Sod, & Ground Cover	2004	71	89,800	$7,625,000
	2003	84	74,600	$8,412,000
Cut Flowers and Greens	2004†	114	2,809,000	29,450,000
	2003†	113	2,500,000	21,840,000
Fruit-Nut Trees & Vines	2004	23	133,500	2,049,000
	2003**	21	154,500	2,428,000
Indoor Decoratives	2004		2,720,000	23,173,000
	2003		2,694,609	22,973,000
Outdoor Ornamentals	2004	50	59,700	6,529,000
	2003	44	39,000	5,338,000
Vegetable Transplants	2004	30	1,372,000	30,060,000
	2003	25	1,653,095	28,251,000
Miscellaneous	2004	1267	49,200	2,270,000
	2003	937	47,306	2,234,000
TOTAL	**2004**	**1,555**	**7,233,200**	**$101,156,000**
Nursery Stock	**2003****	**1,224**	**7,163,110**	**$91,476,000**

* Bulbs, Cacti, Christmas Trees, Herbs, Propagative plants, Scion wood, Seed, Specialty plants, Succulents

† Includes cut flowers grown in greenhouse and field

** Revised

Hollister Hay Fields by John Bussello

Field Crops

Although the values of most field crops increased in 2004, a shortage of rainfall during critical times caused an overall decrease in production. Alfalfa hay growers enjoyed higher than normal prices, while safflower production continued to decline due to foreign competition of safflower oil. Rangeland was in demand due to increased numbers of cattle, but was also scarce due to drought conditions throughout the county. This resulted in higher rents and higher values.

		Acreage		Production				
Crop	Year	Planted	Harvested	Per Acre	Total	Unit	Per Unit	Total
Alfalfa Hay	2004	2,410	2,410	6.65	16,027	Ton	$132.00	$2,115,000
	2003	2,460	2,460	6.62	16,285	Ton	115.00	$1,873,000
Barley	2004	15,500	9,800	0.56	5,488	Ton	118.00	648,000
	2003	18,600	17,000	1.00	17,000	Ton	113.00	1,921,000
Grain Hay†	2004	10,300	8,800	1.80	15,840	Ton	110.00	1,742,000
	2003	12,800	11,000	2.70	29,700	Ton	80.00	2,376,000
Grain Stubble (Grazed)	2004		23,885			Acre	5.00	119,000
	2003		35,000			Acre	5.00	175,000
Rangeland, Grazed	2004		1,025,000			Acre	10.00	10,250,000
	2003		1,030,000			Acre	8.00	8,240,000
Safflower	2004*							
	2003	1,300	1,300	0.40	520	Ton	300.00	156,000
Miscellaneous*	2004	4200	4,200					468,100
	2003	4700	4,300					420,500
TOTAL	**2004**	**32,410**	**1,074,095**					**$15,342,100**
Field Crops	**2003**	**39,860**	**1,101,060**					**$15,161,500**

* Irrigated Pasture, Garbanzo Beans, Oats, Sudangrass, Wheat, Safflower

† Includes winter forage

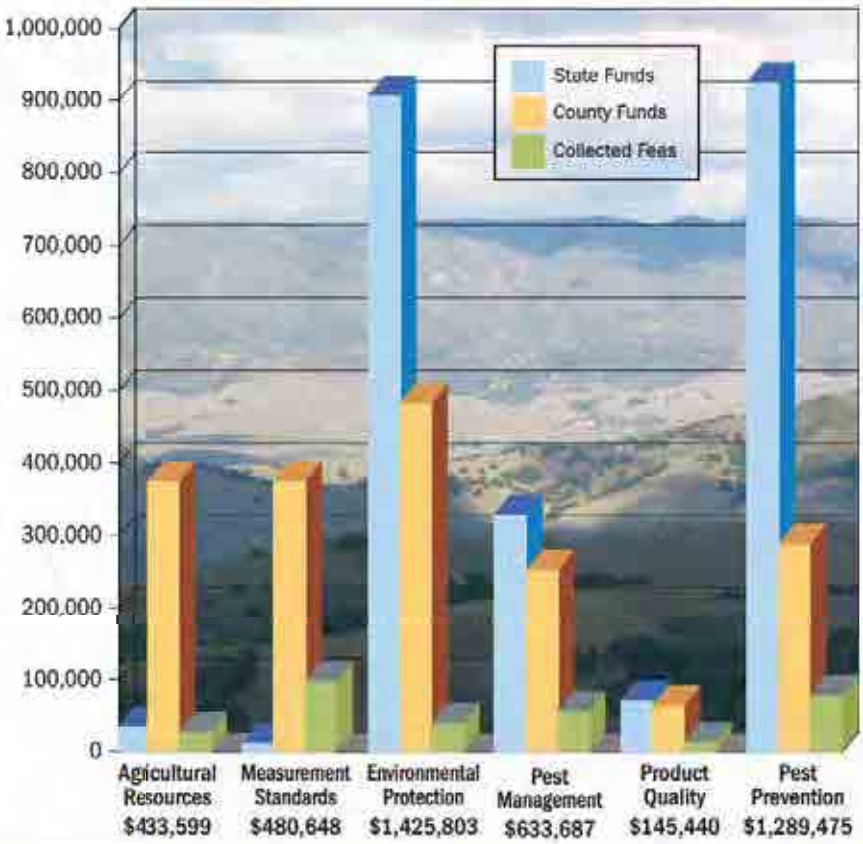
San Luis Obispo County Department of Agriculture
Financial Report, Fiscal Year 2003-2004

Revenue	$4,408,652	
General Funds	1,364,236	31.0%
State Funds	2,274,237	51.6%
Collected Fees	306,184	6.9%
Overhead	463,995	10.5%

Expenditures	$4,408,652	
Salaries And Benefits	3,440,115	78.0%
Services & Supplies	504,542	11.4%
Overhead	463,995	10.5%
Equipment	0	0.0%

Funding Sources $4,408,652

Agricultural Resources	**$433,599**	
State Funds	34,040	8%
County Funds	373,031	86%
Collected Fees	26,528	6%
Measurement Standards	**$480,648**	
State Funds	10,891	2%
County Funds	373,400	78%
Collected Fees	96,357	20%
Environmental Protection	**$1,425,803**	
State Funds	905,804	63%
County Funds	481,292	34%
Collected Fees	38,707	3%
Pest Management	**$633,687**	
State Funds	327,891	52%
County Funds	250,652	40%
Collected Fees	55,144	8%
Product Quality	**$145,440**	
State Funds	70,246	48%
County Funds	62,908	43%
Collected Fees	12,286	9%
Pest Prevention	**$1,289,475**	
State Funds	925,366	72%
County Funds	286,948	22%
Collected Fees	77,161	6%



Organic Crop Statistics for 2004

In 2004 there was a significant increase in the organic farming activity around the county. Grower registrations increased, organically farmed acreage increased, and many growers added new organic commodities to their production including lambs, avocados and blueberries. Eight new registrations represented a 16 percent increase in the number of organic registrants. During the year, the county's newly registered organic producers grew commodities that included apples, persimmons, citrus, walnuts, broccoli, carrots, cauliflower, garbanzo beans, lettuce, potatoes, spinach, and wine grapes.

The acres of organic wine grapes increased by 439 acres from 129 acres in 2003 to 568 acres in 2004. A new trend is the production of baby spinach and lettuce mix in the Paso Robles area. In the past, the majority of crops registered as organic in the north county were almonds, wine and table grapes, pistachios, miscellaneous vegetables, deciduous fruits, and walnuts.

The gross value of organic production in 2004 was estimated at $8,623,576* with approximately 2,947* acres producing organic commodities. San Luis Obispo County had approximately 60 organic registrants (producers, handlers and retail stores that subpackage bulk organic products) in 2004.

*This represents a change in the method of collecting data from 2003.

San Luis Obispo County
Department of Agriculture / Weights and Measures
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GEOGRAPHY

Plan Your Visit

Paso Robles Wine Country is centrally located between San Francisco and Los Angeles along California's Central Coast. As California's fastest growing wine region and largest geographic appellation, the territory encompasses more than 26,000 vineyard acres and more than 200 wineries. With a greater day-to-night temperature swing than any other appellation in California, distinct microclimates, diverse soils and a long growing season, Paso Robles is a unique wine region blessed with optimal growing conditions for producing premium and ultra premium wines. More than 40 wine grape varieties are grown in Paso Robles, ranging from Cabernet Sauvignon and Merlot, to Syrah, Viognier and Roussanne, to Zinfandel, the area's heritage wine varietal.

PASO ROBLES

History

Geography

Climate

Location

Paso Robles Wine Country is situated along U.S. Highway 101 in the center of California's Central Coast, halfway between San Francisco and Los Angeles.

Paso Robles Viticultural Area

Established in 1983, and expanded in 1997 then again in 2009, the Paso Robles American Viticultural Area (AVA) is a large, diverse appellation located within northern San Luis Obispo County, comprised of a number of distinctive grape growing regions generally characterized by rolling hills east of the Salinas River and steeper hillsides, cut by small canyons, west of the Salinas River.

The Paso Robles AVA's western boundary is just six miles from the Pacific Ocean. The appellation lies on the inland side of the Santa Lucia coastal mountains in San Luis Obispo County, and roughly forms a rectangle 35 miles from east to west, and 25 miles from north to south. It extends from the Monterey County border to the north, to the Cuesta Grade below Santa Margarita to the south, and from the Santa Lucia Mountains to the west, to the Cholame Hills to the east.

The appellation comprises 614,000 acres of which more than 26,000 acres are in wine grape vines. It is the fastest growing and largest by far of three AVAs in San Luis Obispo County, and the main reason that the county ranks behind only Napa, Sonoma and Monterey counties in planted acreage among the state's coastal growing areas.

Topography

The Paso Robles AVA is a land of diversity and contrasts that encompasses river bottoms to rolling hills and flat lands to mountains. The major geographical features of the area are the Santa Lucia Range, the Salinas River Valley and the Templeton Gap.

Soils

California's Central Coast is geologically different from other California wine growing regions. Unlike others with deep, rich fertile valley soils, over 45 soil series are found in the Paso Robles AVA. These are primarily bedrock derived soils from weathered granite, older marine sedimentary rocks, volcanic rocks and younger marine sedimentary rocks of the Miocene age Monterey Formation featuring calcareous shales, sandstone or mudstone. Soil diversity is the norm and a vineyard block may commonly contain several different soil types.

What is really unique about Paso Robles AVA soils is the predominance of desirable calcareous soils found throughout the region and the high soil pH values of 7.4 to 8.6 that are not typical of California's other viticultural areas. Due to geologic uplift, calcareous shale is plentiful in Paso Robles' west-side hills, where dense clay-based soils combine with relatively plentiful rainfall to make it possible for some vines to be dry-farmed without supplemental irrigation. More granular forms of broken down calcareous shale is found on the eastern hills and valley of the AVA. On both sides of the Salinas River, gently rolling hills are covered with sandy, loamy soils. In the watershed areas, particularly the Estrella River plain, loam and clay are overlain with sand.

San Luis Obispo County
Master Water Report
Volume I of III

MAY 2012

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SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

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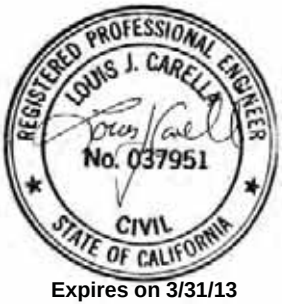
San Luis Obispo County Flood Control and Water Conservation District

SAN LUIS OBISPO COUNTY MASTER WATER REPORT

May 2012



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San Luis Obispo County Flood Control and Water Conservation District

SAN LUIS OBISPO COUNTY MASTER WATER REPORT

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MASTER WATER REPORT

With cyclical droughts, declining groundwater levels, degradation of groundwater quality, and the limited availability of surface water supplies, it is important for all entities in San Luis Obispo County ("County" for government; "county" for geographic domain) to effectively manage available water resources to protect the public health and safety, maintain viable ecosystems, avoid seawater intrusion, and allow for sustainable agriculture.

To that end, this Master Water Report (MWR) is a compilation of the current and future water resource management activities being undertaken by various entities within the County and is organized by Water Planning Area (WPA). The MWR explores how these activities interrelate, analyzes current and future supplies and demands, identifies future water management strategies and ways to optimize existing strategies, and documents the role of the MWR in supporting other water resource planning efforts.

The San Luis Obispo County Flood Control and Water Conservation District (District) initiated and completed this latest MWR update. The original 1972 Master Water and Sewage Plan (subsequent title change) was previously updated in 1986 and 1998.

ES.1 SUMMARY OF REPORT CHAPTERS

Chapter 1: Chapter 1 introduces the scope, goals and objectives, as well as the limitations, of the District's MWR.

Chapter 2: Chapter 2 describes the topical and geographical organization of the MWR and the County into three sub-regions and 16 Water Planning Areas (WPAs). Water demand, agricultural water needs, sources of supply, and other information are organized by WPA. The WPAs were intended to recognize important hydrogeologic units or water management areas throughout the County.

Chapter 3: Chapter 3 describes the existing data collection programs and the data available for completing the MWR and for managing water resources in the County.

Chapter 4: Chapter 4 evaluates and compares the available water supplies (apart from the untreated ocean) to the water demands for the different WPAs.

Chapter 5: Chapter 5 describes the relationship between the MWR and the different State, County, and local agency water related documents, programs, or policies that guide water resource management decisions. In addition, this chapter also suggests coordination efforts that should occur in future updates to the MWR that would promote consistency between it and other County, District and State documents.

ES.2 MASTER WATER REPORT RECOMMENDATIONS

This section presents a summary of the recommendations for District actions to improve water supply to meet existing and future demands throughout the County (Table ES 1). Many of the recommendations explore regional options that could be implemented County-wide to improve supply reliability and to improve the information contained in future MWRs. The analysis and support for implementing different water management strategies to meet existing and forecast demands, and to improve supply reliability for specific water providers and users are presented in Chapter 4 and will not be repeated in the Executive Summary.

ES.2.1 District's Highest Priorities

1. **District's Role with Regional Water Supply and Facilitating Interagency Arrangements:** Lead the effort to optimize the use of unsubscribed water from the State Water Project (SWP) and the Nacimiento Water Project (NWP), in conjunction with other facilities, to promote enhanced use of existing available resources that support local agency use and exchanges by:
    a. Developing policies for the use of unsubscribed water given the various needs in the County and existing County policies (for example, there is a need for increased direct deliveries in some areas of the County and a need for recharge/in-lieu delivery projects in other areas)
    b. Identifying and conducting pilot projects with the available resources to evaluate the effectiveness of various exchange concepts
    c. Establish the District's role in the development of a "boiler plate" agreement, or streamlined, standard process for local agencies to implement transfer agreements, and emergency intertie agreements.
2. **District's Role with Sub-regional Water Balance Analyses and Management**: Water demands were quantified on a WPA basis. Recognizing that some areas do not have adequate assessments of the water demand and supplies available, the District's role in and approach to analyzing water balances on a watershed and/or groundwater basin basis throughout the County should be established. Once established, specific priorities and work efforts can be identified. Two recommendations that support this effort follow:
    a. **Improve Environmental Water Demand Estimate:** Establish the District's role in implementing the recommendations associated with evaluating Environmental Water Demand in the County (for example, should the District conduct analyses, or somehow be involved with analyses, to estimate in-stream flow requirements to support the associated ecosystem?). Continue to prioritize and establish data collection locations in accordance with the District's Data Enhancement Plan, District funds, and the established role of the District.
    b. **Improve Agricultural Demand Estimate:** Future planning efforts need to include agricultural demands not captured in the Agriculture Commissioner's pesticide use permits GIS database. Also, future planning efforts should either develop more accurate agricultural demand estimates or complete a separate study that focuses solely on agricultural demands, and then incorporate the findings into future MWRs. Agricultural demand accounts for nearly 80 percent

of the total County demand. Inaccuracies in the assumptions could lead to large variances in the demand estimates.

3. **Future Master Water Report Updates:** The information in this MWR will be integrated into the region's Integrated Regional Water Management Plan (IRWM Plan). If the District continues to lead efforts in maintaining an IRWM Plan for the region (which is the County line), it may make sense to just update the IRWM Plan. Regardless of the document that houses the information contained and generated from this MWR, updates should occur on a five year cycle, following the completion of Urban Water Management Plans (UWMPs). However, the District should maintain a current inventory of other water resource data, GIS-based land use data and reports (e.g. water master plans, groundwater studies) and track progress on implementation of the recommendations to streamline future document updates. The District should encourage entities that do not prepare UWMPs to provide projected demand information.

ES.2.2 Water Management Strategies for Specific Users

The identification of water management strategies and the potential for implementing a management strategy for cities, communities, and other agencies within the County are discussed in Chapter 4. Note that the suggested water management strategies are not requirements, and most are consistent with existing water planning studies and options being considered by cities, communities, and agencies.

Interested persons not reading the entire MWR will want to become familiar with at least their own WPA as well as the regulations and planning documents of other agencies in the area where they live.

Table ES 1: Master Water Report Recommendations		
Recommendation *(MWR Reference)*	**Key Steps to Implementing Recommendation**	**Basis of Recommendation**
ACTIONS TO IMPROVE FUTURE MASTER WATER REPORT UPDATES		
Create a Framework for Maintaining the Master Water Report *(MWR Section 5.2)*	• Determine whether to maintain both an IRWM Plan and a MWR - Update the MWR on a five-year cycle, following the completion of Urban Water Management Plans, in years ending in 1 or 6 (i.e. 2016, 2021, etc.) and in coordination with the County's Resource Management System. • Encourage all water purveyors to project water demand into the future. • Maintain a current inventory of other water resource data and reports (e.g. water master plans, groundwater studies). • Develop a consolidated, coordinated, web-based mechanism for improving, gathering, and sharing county-wide water supply and demand information to avoid redundancy and ensure consistency. • Utilize a web-based approach to maintain data. • Consider the analyses conducted to develop the Land Use and Circulation Element and Community 2050, and updates to the Resource Management System when updating the land-use-based water demand analysis in the MWR.	• Updating the MWR on a regular basis, consistent with UWMP timing, will provide the District and agencies in the County with a reliable planning-level document. • Will reduce the demand on District resources by streamlining processes (i.e. with UWMP efforts).
Improve Approach for Quantifying Demands *(MWR Section 4.6)*	• Refine future MWR investigation of the demand versus supply on a groundwater basin and/or watershed basis within WPAs.	• Understanding of demand and source of supply would be improved if the investigation looked more closely than the WPA level.
Improve Agricultural Demand Estimate *(MWR Sections 4.6.3 and 4.8.7)*	• Future planning efforts need to include agricultural demands not captured in the Agriculture Commissioner's pesticide use permits GIS database (e.g. irrigated pastures, livestock water use, etc.). • Define stakeholder groups in each WPA to coordinate and refine these (and other) estimates on a watershed and groundwater basin basis for their WPA. • Future planning efforts should either develop more accurate agricultural demand estimates or complete a separate study that focuses solely on agricultural demands, and then incorporate the findings into future MWRs. • Develop a voluntary pilot program where a representative percentage of agricultural water users could meter and report their water use, and the District would track actual applied water per acre for various agricultural users throughout the county.	• Agriculture accounted for nearly 80 percent of the total county current water demand. Errors in the assumptions or water duty factors could result in large increases or decreases in the total demand. • This MWR likely underestimates the agricultural demands for certain water planning areas, in particular the north coast of the county. • The irrigation factors used for each crop type could be under or over estimating the total demand. • By forming stakeholder groups, the District would encourage local participation and control for determining agricultural water demand.
Improve Rural Demand Estimate *(MWR Sections 4.6.4 and 4.8.8)*	• Utilize rural water use information made available by Resource Management System 2009 Annual Summary Report (e.g. via installation of flow meters on non-agricultural wells, monthly water use recording and semi-annual reporting for water purveyors, etc.), as it becomes available.	• Increases accuracy in rural water demand estimates and reduces need for assumptions in water duty factors.

Table ES 1: Master Water Report Recommendations		
Recommendation *(MWR Reference)*	**Key Steps to Implementing Recommendation**	**Basis of Recommendation**
Agricultural and Rural Users Water Management Strategies *(MWR Section 4.8.9)*	• The District should participate in and promote a "stakeholder driven" water balance evaluation on a watershed and groundwater basin basis within the county to better understand the relationship between supply and demand.	• The agricultural and rural water demands were quantified on a WPA basis. It is recognized that some areas do not have adequate assessments of the water supplies available to conclude whether a supply deficit exists.
Environmental Water Management Strategy *(MWR Sections 4.6.5 and 4.8.10)*	• Develop policies for District's role in further developing the Environmental Water Demand values throughout the WPAs (e.g. installing stream gauges, leading studies, promoting local control).	• Site- and project- specific instream flow requirements allow the environmental water demand to be quantified and represented on a sub-watershed or creek basis, while the current analysis considered the Environmental Water Demand on a WPA level.
PROJECTS AND PROGRAMS		
Contingency Plan or Reliability Supply *(MWR Section 4.8.1)*	• Suggest that each community in the county consider developing a contingency plan or reliability supply, if they have not already done so. Provide technical expertise or administrative support to County Service Areas.	• Facilitates implementation of a combination of emergency conservation measures/ new supplies. • Ability to address the uncertainties with climate change and the potential impacts to water supply. • Without a contingency or reliability plan, a community may be unable to respond to extended periods of below average water supply.
Stream Gauge Installation *(MWR Section 3.2.2)*	• Continue to prioritize and establish data collection locations in accordance with the District's Data Enhancement Plan, District funds, and the established role of the District in implementing the Environmental Water Management recommendations., attempting to place new sites where past, inactive gauges existed (providing a period of record that will complement any new data collected).	• Placing gauges on major creeks near the confluence with significant tributaries, on some smaller streams and tributaries, and at major cities along the major creeks would provide valuable information for developing instream flow requirements. • The eastern portion of the county (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of unimpaired data and regional physiographic differences.
Water Conservation/ Water Use Efficiency *(MWR Sections 4.5, 4.7.4, and 4.8.3)*	Establish the District's role in: • Promoting agencies within the county to join Partners in Water Conservation. • Increasing communication with the agricultural and rural community, and promote use of conservation measures by rural and agricultural users. • Increasing knowledge of supply limitations and findings of this study. • Local stakeholder groups should establish conservation goals for different groundwater basins throughout the county.	• Conservation supports the Contingency and Reliability Supply Plan recommendation (e.g. secures drought buffer). • Consistent with the State's water conservation goals. • Improves management of water supplies.
Regional Water Supply Strategies *(MWR Section 4.8.2)*	• Lead the effort to optimize the use of unsubscribed SWP or NWP to promote enhanced use of existing available resources that support local agency use and exchanges.	• Optimizing the use of surface water supplies could preserve groundwater for agricultural users and County residents or for times when there are reductions in surface water deliveries.
Unsubscribed State Water Project *(MWR Sections 4.7.8, 4.8.2, and 4.8.11)*	• Understand which entities may be interested in receiving additional State Water by compiling a list of interested parties. • Complete the hydraulic capacity study of the SWP Coastal Branch to determine if sufficient capacity exists to transmit additional State Water to coastal	• This effort will identify the potential for the delivery of additional unsubscribed State Water and support the optimization of unsubscribed surface water supplies. Use of unsubscribed SWP will also be considered in evaluating and negotiating the use of any extra capacity in the Coastal Branch.

Table ES 1: Master Water Report Recommendations		
Recommendation *(MWR Reference)*	**Key Steps to Implementing Recommendation**	**Basis of Recommendation**
	communities. • Understand exchange opportunities with other resources within the District that may free up a portion of the existing State Water allocation. • Develop and/or update District policies regarding which entities have priority to receive State Water. • Provide a final opportunity to existing SWP participants to execute Drought Buffer Agreements. • Negotiate use of excess capacity and District allocation with CCWA and DWR guided by District needs and priorities, as-needed.	
Streamline Institutional Agreements *(MWR Section 4.8.6)*	• Establish the District's role in developing "boiler plate" agreements, or streamlined, standard processes for local agencies to implement transfer and emergency intertie agreements. • Establish the District's role in the development of governance structures to implement future projects and programs, where appropriate (e.g. Nacimiento Project Commission).	• Local agencies have requested that the District lead the development of a template agreement for interagency agreements or water transfers.
Interagency Arrangements and Exchanges *(MWR Section 4.8.6)*	• Develop policies for District's role in promotion of opportunities to move water within the county and to match demands with available sources at different times. • Identify and conduct pilot projects to evaluate options.	• Exchanges would allow entities with water supply needs that cannot feasibly connect directly to the NWP or SWP to receive a supply from a source to which they are already connected via exchange.
Groundwater Evaluations *(MWR Section 4.8.4)*	• Develop policies for District's role in these efforts (i.e. basin monitoring programs, Groundwater Management Plans per basin, education and outreach programs).	• Updates the perennial yield and groundwater information for basins that have not been studied for years. • Promotes the management of groundwater supplies.
Groundwater Banking/ Recharge *(MWR Sections 4.7.9 and 4.8.5)*	• Develop policies for District's role in these efforts (i.e. creation of advisory committees of stakeholders to develop basin-wide groundwater management plans, manage the use of available aquifer space for recharge, identify and evaluate local opportunities to reduce runoff and increase recharge, etc.). • Develop policies or evaluate existing policies that pertain to which water supplies can be used for this purpose.	• Groundwater banking is generally viewed as being difficult to implement and monitor if overlying land owners are not part of the banking project. Overlying land owners could extract water and benefit from a project that was funded by other parties. Or the operations of the banking project, if not designed and operated properly, could negatively affect neighboring overlying users. • County policies may discourage the use of water that is available for banking from being used.

Chapter 1

INTRODUCTION

The purpose of this chapter is to introduce the scope, goals and objectives of the San Luis Obispo County Flood Control and Water Conservation District (District) Master Water Report (MWR). With the recurrence of drought, degradation of groundwater basins and the limited availability of surface water supplies, it is important for all entities of San Luis Obispo County ("County" for government; "county" for geographic domain) to effectively manage available water resources. Water resources should be managed to simultaneously protect the public health and safety, maintain ecosystems, avoid seawater intrusion, and support agriculture into the future. In order to effectively manage water resources, it is important to understand the complete picture of water resources management in the county and how the practices (i.e. water use, policy adoption, planning, and project implementation) of all entities within the county influence each other.

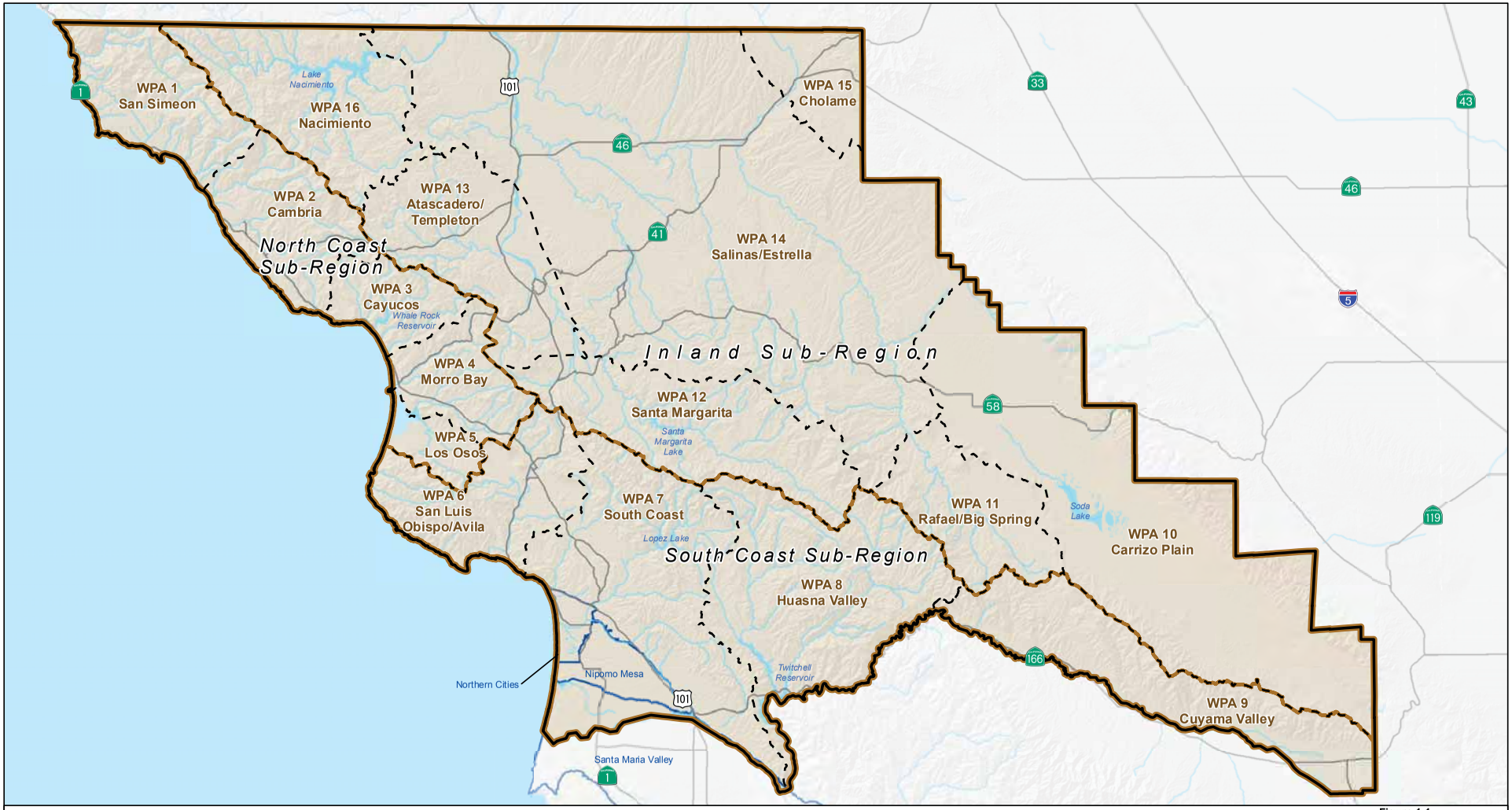
The District approached the MWR geographically by dividing the county into three (3) sub-regions (North Coast, South Coast, and Inland), and then further subdividing into water planning areas (WPAs) within each sub-region (Figure 1.1). This sub-regionalization facilitated water resources analysis by recognizing jurisdictions that overlie groundwater basins and interconnected watersheds in order to assess their relationship. The relationship between the three sub-regions that are connected by the District's/County's jurisdiction as well as the regional water projects such as the Nacimiento Water Project (NWP), Salinas Reservoir system, Whale Rock Reservoir system, Lopez Water System and State Water Coast Branch, were evaluated for their potential to be optimized to better meet the county's water needs.

It is recommended that future MWRs move away from the three sub-region and WPA approach, and focus more on individual watersheds and groundwater basins. In other words, future MWRs should become more detailed as the current WPAs are broken down further into smaller subsets that better fit the geographic and political boundaries that define local water planning efforts.

1.1 SCOPE OF MASTER WATER REPORT

The MWR is a comprehensive plan that evaluated multiple water management strategies, including optimization of existing water supplies to meet water resource needs countywide. In general, the scope of work for this project included:

- Documentation of existing water resource jurisdictions and their current and future activities/water planning efforts.
- Analysis and documentation of current and future water supply and demand on a county-wide basis.



Legend

- Highways
- Major Rivers/Streams
- Management Area
- Sub-Region
- Water Planning Area
- Water Planning Area Boundary
- Waterbodies

Text:

Sub-Region

Water Planning Area

Management Area

Hydrography

N

0 5 10 Miles

Figure 1.1
San Luis Obispo County
Sub-Regions and Water Planning Areas
Master Water Report
San Luis Obispo County Flood Control
and Water Conservation District

- Identification and analysis of potential water management strategies to address possible water supply shortfalls.
- Documentation of the role of the Master Water Report in supporting other water resource planning efforts.

1.2 GOALS AND OBJECTIVES

The main purpose of the MWR is to provide a comprehensive description and analysis of county-wide water resources and management efforts of these resources under current conditions and at general plan build-out for the different agencies within the county, and to identify and evaluate water management strategies for addressing forecast supply deficiencies, similar to Urban Water Management Plans and General Plan Water Elements.

Since many different entities have developed water resource analysis and land use planning documents for individual communities and areas in the county, the MWR combined those efforts with an analysis of the areas not covered by local plans to complete an integrated, county-wide MWR. This effort identified, consolidated, and integrated county-wide water supply and demand information to understand how water resources are influenced by urban, rural and agricultural users and to identify additional opportunities for water resource management.

Other specific goals and objectives of the MWR are discussed below.

1.2.1 Ensure Stakeholder Input/Participation

The approach for the preparation of this MWR included stakeholder input and participation. Participation was accomplished through a series of Water Resources Advisory Committee (WRAC) meetings, presentation of information to different agencies and County departments, and meetings with WRAC sub-committees and working groups. County staff and the project team met with the WRAC in a workshop setting at significant project milestones, as summarized in Table 1.1:

In addition to the WRAC meetings, the project team met with the County's Planning Department to discuss on-going studies for the unincorporated areas of the County and their impact on future development and water demands. The team also gathered data from and met individually (as needed) with some of the water agencies in the County to discuss findings and recommendations of the study.

1.2.2 Create a Framework for Maintaining the Master Water Report

The recommendation for updating and maintaining the MWR is discussed further in Chapter 5. The goal of those recommendations is to improve the process and efficiency for revising future MWRs. This will be facilitated by the County retaining the GIS shapefiles collected for the project and continually updating them as more information becomes

available. Other recommendations for creating a framework for maintaining the MWR include:

- Maintain a current inventory of water resource data and reports. Information collected to prepare this MWR is presented throughout the documents included in Appendices A through D.

Table 1.1 WRAC Workshops

Workshop No.	Date	Completed Tasks
1	June 3, 2009	WRAC Kick Off Meeting Presented goals and objectives of MWR Presented schedule and approach of study Clarify WRAC involvement
2	October 7, 2009	Presented available data Geographic organization of the County - Sub Regions and Water Planning Areas Summarized demand analysis approach - Urban, rural, agricultural, and environmental Summarized groundwater resources and water supply by WPA
3	January 6, 2010	Summarized preliminary water demand and supply analysis Presented criteria for asserting a supply shortfall and for evaluating supply strategies
4	April 7, 2010	Rated criteria for prioritizing water supply strategies Presented preliminary water management strategies Presented concepts for interagency agreements and cooperative programs to optimize existing water supplies
5	September 1, 2010	Presented demand and supply by WPA, urban agency, rural, agriculture and environmental user Presented revised water management strategies to resolve potential supply shortfalls
Working Group Meeting	November 10, 2010	Explored institutional arrangements and regional water management strategies
Working Group Meeting	December 21, 2010	Discussed preferred regional water management strategy options to optimize existing resources
6	March 21, 2011	Presented draft Master Water Report - Goals and objectives - General recommendations Presented general agricultural and rural water management strategies Presented findings and recommendations for urban users

- Improve the data sharing protocol between local agencies and the County for consistency and overlap/redundancy reduction.
- Specify how information from other water resources planning documents are used in the MWR and how information developed in the MWR can be utilized in other water resources planning documents.
- Establish a schedule for updating the MWR that is consistent with other water resources planning requirements.
- Specify the scope of work involved with updating the MWR.
- Estimate a budget for updating the MWR.

1.2.3 Accurately Present Current and Future Supply/Demand

Chapter 4 presents a summary of the county-wide water supply and demand. A reasonable level of accuracy was achieved because this project:

- Utilized recent water resource information, where available.
- Utilized land-use and demographic information.
- Utilized as much of the existing data as local resource agencies provided.
- Accounted for potential reductions in supply, reliability issues, future land use and/or conservation policies in the future water supply and demand analysis.

1.2.4 Ensure Support for Agricultural Demand Analysis

Chapter 4 summarizes the approach used to quantify the agricultural demands. The approach was presented to the WRAC and to the County's Agricultural Commissioner.

1.2.5 Ensure Support for Environmental Water Demand Characterization

Chapter 4 summarizes the approach used to quantify the environmental demands. The approach was presented to the WRAC.

1.2.6 Respect Autonomy of Individual Jurisdictions while Recognizing Differences/Conflicts

For urban users, this project relied primarily on published water master plans and water supply studies to be consistent with local purveyor water demand projections and planned water supply projects. Chapter 4 summarizes the documents used from the water purveyors within the county. In addition, each purveyor was provided multiple opportunities to review the draft memoranda and reports to ensure consistency between the MWR and their water planning documents.

1.2.7 Present Analysis of Options, Conclusions and Recommendations

Chapter 4 presents the water demand analysis for urban, rural, agricultural and environmental users in the county. It also presents the conclusions and recommendations for addressing potential water supply shortfalls, with an emphasis on promoting:

- Optimization of conservation measures.
- Optimization of unsubscribed State Water allocation.
- Optimization of unsubscribed Nacimiento Water Project allocation.
- Opportunities for optimizing other local surface water supplies.
- Opportunities for increasing the efficiency of existing infrastructure.
- Opportunities for water re-use.
- Opportunities for emergency/drought protection measures such as inter-ties and groundwater banking.

1.2.8 Ensure Compatibility with Other Documents

Chapter 5 summarizes how the MWR is related to, and coordinated with the development of several other County documents, including the:

- County's Integrated Regional Water Management Plan (IRWMP).
- Conservation and Open Space Element (COSE).
- Agricultural Element.
- Land Use Element.
- Resource Management System.

The goals, objectives and policies in the first three documents guided the analysis of water management strategies, and the data contained within and collected by the last two documents were valuable in conducting the analysis.

1.3 LIMITATIONS OF THE MASTER WATER REPORT

This document is not intended to establish water rights or to set the maximum water supply sources available to users within the County. It is primarily a "high-level" summary of available information and estimates of the water supply versus demand analysis. Comments about cities and other water suppliers are not to be interpreted as overruling the rights and powers of these agencies. Other technical limitations to this Master Water Report are presented below.

1.3.1 Technical Challenges with Demand Assessment

There were a number of technical challenges with analyzing and developing the urban, rural, agricultural and environmental demands for the MWR. Appendix D contains the technical memorandum that describes the water demand methodology used for this project and the assumptions made to facilitate the calculation of demands for the four categories. A description of the technical limitations in the approach for computing the urban, rural and agricultural demands follows, and the challenges with computing the environmental demands are discussed later in this section.

1.3.1.1 Urban Water Demand

The existing demands for urban users were based on available Water Master Plans, Urban Water Management Plans, and the County's Resource Management System. Although the demands are referred to as "existing," by the time the MWR is finalized, the data could be a few years old. This should not present a substantial problem since water demands do not fluctuate significantly from year to year. However, this minor issue highlights the difficulty in ensuring that the data presented in this report is current and that the demands are not absolute values, but approximations. Water providers should be encouraged to prepare urban water management plans, even if they are not required by California legislation, in order to maintain current demand projections and forecasts.

1.3.1.2 Rural Water Demand

The primary technical challenge with calculating rural water demands was having accurate water duty factors for rural water demands since most individual properties are not metered. Due to different climates and types of water usage, the water duty factors can vary widely between region and time of year. Coastal rural areas will generally require less water than inland rural areas due to greater evapotranspiration in the inland areas and more precipitation in the coastal areas.

1.3.1.3 Agricultural Water Demand

The Agriculture/Crop ArcGIS® layer for the County from August 2008 was used to determine existing agricultural acreage for each crop group. This layer is updated yearly with information from the pesticide use permits growers obtain through the San Luis Obispo Department of Agriculture. These permits are not entirely accurate as they occasionally include permanent crops which are planned and include many annual crops which may or may not be planted based upon various factors. The number of crop rotations varies and is not identified in the Agriculture/Crop ArcGIS® layer. The majority of irrigated vegetables are rotated numerous times throughout the year. Coastal areas with available water may have multiple crops planted in a particular year. The irrigation practices of each operation are also not accounted for. Given the current land use, the demand projection for Water Planning Area 1 in particular could be refined significantly by taking ranching operations water use and conservation easement provisions into account. Ranching operations do not

use pesticides and therefore are not included in the County's Agriculture/Crop ArcGIS® layer were not included in the demand calculation.

The agricultural crop ArcGIS® layer includes approximately 200 classifications of commodities. This included approximately 86,000 acres of rangeland and 42,000 acres of uncultivated agriculture. For purposes of this analysis, the irrigated commodities were categorized into seven groups. Although the groups are based on commodities that may have similar water requirements, the actual water usage will vary based on a number of variables including; individual commodities, soil type, and number of rotations on individual parcels.

1.3.1.4 Definition of "Build-Out" Demand

The forecast demands for urban users were based on available reports but represent the "build-out" demand of a service area, sphere of influence, or urban reserve line of an incorporated or unincorporated city in the county. There are two concerns with referring to the demands as build-out. The first is that the growth boundaries are not static. When general plans are updated, the growth boundaries typically change and expand. Therefore, the values presented in this report could increase in future MWR updates. The second concern is the year in which build-out is reached. Each community in the County grows at different rates and the year in which the forecast demand is reached is neither consistent nor fixed for each community. Therefore, the limitation with the build-out demand, which also applies to rural and agricultural demands, is the variability in future forecasts and the difficulty in estimating these values with available information.

1.3.1.5 Conservation and Irrigation Efficiencies

Since forecast demands are not absolute or fixed values, determining a range of possible demands was selected as the preferred approach. The approach to defining the low end of the demand range required some assumptions regarding conservation, development potential, and agricultural irrigation efficiencies and expansion. There are limitations to this approach because the assumptions made could vary from the actual consumption and create a potential shortfall in supply. The low forecast demand range for urban users assumed a certain amount of conservation for most communities. The amount assumed by each community depended on the anticipated level of conservation that could be achieved. The low demand range for rural users represents a percent of the development potential and recognizes that 100 percent of the property will not be developed. For agricultural demand, the approach assumed higher irrigation efficiencies for future demands than in existing demand calculations.

1.3.2 Use of Available Technical Documents

This MWR relied on and attempted to be consistent with available documents of various agencies. Terminology used in these available documents was often quoted verbatim for the MWR. Therefore, some suggested changes (i.e. comments received) to terms used in

this MWR were not adopted in order to remain consistent with respective reference documents. While this approach may cause some confusion it was believed consistency with the base document was the overriding consideration. The desired changes should be made first in the reference documents, before being incorporated into the MWR.

1.3.3 Groundwater Basin Yield Estimates

Published hydrogeologic information for many groundwater basins in the County are compiled from older reports and may not be representative of current conditions. For some groundwater basins, the safe yield estimate was based on the documented historical production that has not resulted in water supply problems. Also, the relationship between stream underflow, surface flow, and perennial yield is not adequately understood, especially for the coastal groundwater basins. In order to gain more current or detailed information for these basins, new and additional studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) could be useful to these studies. Additional information may also be available from the DWR and private sources.

1.3.4 Use of Management Area Reports

Annual reports for the Nipomo Mesa Management Area, Northern Cities Management Area and the Santa Maria Valley Management Area are prepared in accordance with the Stipulation and Judgment for the Santa Maria Groundwater Litigation (Lead Case No. 1-97-CV-770214). The annual reports provide an assessment of hydrologic conditions for the three management areas based on an analysis of the data accruing each calendar year. Each annual report is submitted to the court annually in accordance with the Stipulation in the year following that, which is assessed in the report.

The information contained in these annual reports could change based on data collected from the previous year, and the changes may not be reflected in this MWR. Readers should acknowledge that the figures presented in this MWR may not be 100 percent current, but we attempted to provide the most current available information at the time the MWR was being written.

1.3.5 Technical Challenges with Environmental Assessment

The environmental demand estimates presented in this master water report are not absolute values. Planning-level assessments such as this one do not take the complexity of natural systems into consideration and this point should be acknowledged when using the findings in this report. The results provide a reasonable and scientifically supported estimate of environmental water demand for the purposes of evaluating water balances on an annual water planning area basis. In watersheds with creeks that have transient high flows during the winter season, the timing of the flows can be as important to biological resources as the amount of flow. Unfortunately, evaluating to this level of detail was beyond the scope of this study, and will be left to future work. The environmental demand

assessment presented in this report should be viewed as a starting point that will be refined over time.

Site- and project-specific in-stream flow requirements determined on a sub-watershed or creek basis would improve future master water plans. A more detailed analysis would moderate the need to extrapolate data from one unimpaired stream and apply it to a neighboring watershed. This approach should make the analysis more focused and increase the certainty in the results. The first steps in this effort are establishing appropriate data collection sites, identifying opportunities for coordination with appropriate entities on the data collection effort and prioritizing locations to study first.

The specific steps that could be taken by the District include (in no particular order or priority):

- Increase the number and distribution of stream flow gauges to capture unimpaired runoff flow measurements and the varying hydrologic conditions throughout the County.
- Determine other data that would be necessary to complete a stream species specific analysis.
- Select a water planning area, watershed or creek to conduct a more focused environmental water demand assessment and develop a workplan for implementing the analysis that could be applied county-wide.
- Determine role of the District, County, resource agencies, local agencies, local stakeholders (project proponents), and riparian rights holders in implementing these steps.

1.4 DEFINITION OF KEY TERMS

ArcGIS: ArcGIS is a geographic information system (GIS) software product used for working with maps and geographic information. It is used for: creating and using maps; compiling geographic data; analyzing mapped information; and managing geographic information in a database.

CCWA: The Central Coast Water Authority was formed in 1991 through a Joint Exercise of Powers Agreement among nine public agencies in Santa Barbara County and has Water Supply Agreements with five other entities. CCWA was specifically formed for the purpose of designing, building and operating the facilities needed to deliver water from the State Water Project (SWP) to the various entities with contracts to receive that water in Santa Barbara County.

CEQA: The California Environmental Quality Act is a statute that requires state and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible.

CSA: In unincorporated areas, residents of urban communities may want more services than those residing in rural areas. The County Service Area Law (Government Code §25210.1 *et seq.*) was created to provide a means for expanding service levels in areas where residents are willing to pay for the extra service. The law allows residents or county supervisors to initiate the formation of a County Service Area (or CSA). A CSA is authorized to provide a wide variety of services, including fire protection, water and garbage collection. A CSA may span all unincorporated areas of a county or only selected portions.

CSD: Community Services Districts (CSDs) are independent governmental agencies that exist separately from, and with substantial administrative and fiscal independence from, general purpose local governments. Special district governments provide specific services such as hospitals, sewerage, water and fire protection. CSDs are also subject to specific legislative and regulatory controls.

DWR: The mission of the California State Department of Water Resources (DWR) is to manage the water resources of California in cooperation with other agencies, to benefit the State's people, and to protect, restore, and enhance the natural and human environments. DWR operates and maintains the California State Water Project (SWP). Other programs work to preserve the natural environment and wildlife, monitor dam safety, manage floodwaters, conserve water use, and provide technical assistance and funding for projects for local water needs.

ISJ: Interlocutory Stipulated Judgment (ISJ) established a formal process for the County and three water purveyors in Los Osos to engage in cooperative water resources management efforts to solve groundwater overdraft and current sea water intrusion.

MOA or MOU: A Memorandum of Agreement (MOA), also known as a Memorandum of Understanding (MOU), is a formal document used to outline an agreement made between two or more separate entities, groups or individuals. An MOA usually precedes a more detailed contract or agreement between the parties, after a process of negotiations and due diligence. This MOA may be used to cooperatively work together on an agreed-upon purpose or meet an agreed objective and outline the discussed terms of a new relationship.

MWR: The Master Water Report (this document) will serve to help policy makers, planners, and the public understand the long-range availability of water resources throughout the County of San Luis Obispo.

MWC: Mutual Water Companies (MWCs) are most commonly formed as general corporations or as nonprofit mutual benefit corporations. Mutual water companies may deliver water to their shareholders for agricultural irrigation or domestic uses.

NCMA: The Northern Cities Management Area (NCMA) includes the northernmost portion of the Santa Maria Valley Groundwater Basin. The cities of Arroyo Grande, Grover Beach, and Pismo Beach, the Oceano Community Services District, the County and local landowners that signed the court-approved stipulation during the Santa Maria Groundwater Basin litigation actively and cooperatively manage surface and groundwater resources in the NCMA.

NMMA: The Nipomo Mesa Management Area (NMMA) lies to the south of the NCMA and includes ConocoPhillips, Golden State Water Company, Nipomo Community Services District, Woodlands Mutual Water Company, Rural Water Company, and other NMMA overlying landowners that signed the court-approved stipulation during the Santa Maria Groundwater Basin litigation. The NMMA Technical Group is charged with developing the technical bases for sustainable management of the surface and groundwater supplies available in this management area.

RWQCB or Regional Board: The Regional Water Quality Control Board's (RWQCB or Regional Board) mission is to develop and enforce water quality objectives and implementation plans that will best protect the State's waters, recognizing local differences in climate, topography, geology and hydrology.

TMA or SMVMA: Twitchell Management Authority (TWA)(aka the Santa Maria Valley Management Area) is the largest of the three management areas that overlie the Santa Maria Valley Groundwater Basin. This management area lies over the main Santa Maria Valley. The SMVMA encompasses the contiguous area of the Santa Maria Valley, Sisquoc plain, and Orcutt upland, and is primarily comprised of agricultural land and areas of native vegetation, as well as the urban areas of Santa Maria, Guadalupe, Orcutt, Sisquoc, and several small developments.

UWMP: Urban Water Management Plans (UWMPs) are prepared by California's urban water suppliers to support their long-term resource planning and ensure adequate water supplies are available to meet existing and future water demands. Every urban water supplier that either provides over 3,000 acre-feet of water annually or serves 3,000 or more connections is required

to assess the reliability of its water sources over a 20-year planning horizon considering normal, dry, and multiple dry years. This assessment is included in its UWMP, which are prepared every 5 years and submitted to the Department of Water Resources.

WPA: Water Planning Area(s) (WPA or WPAs) represent geographic organization of the County. Water demand, water supply, and supply sources are organized by WPA. In general, the WPA boundaries coincide with watershed or groundwater basin boundaries, and are intended primarily to recognize important hydrogeologic units or water management areas throughout the County.

For additional information on terms found in the MWR, please refer to the reference documents listed throughout the MWR. Various publications (such as the Layperson's Guide to Water Rights Law published by the Water Education Foundation) are also available online for information regarding water rights and water law in California.

PART I: BACKGROUND ON WATER RESOURCE MANAGEMENT EFFORT

2.1 WATER PLANNING AREAS

The Master Water Report (MWR) effort is organized similar to the 1998 MWR, but with some modifications. This MWR is also organized by topical and geographical discussion. The County was divided into three sub-regions, North Coast, South Coast, and Inland, and was subdivided further into “Water Planning Areas,” or WPAs. The WPAs represent the geographical organization of the County. Water demand, agricultural water needs, sources of supply, and other information are organized by WPA. The WPAs discussed below were intended to recognize important hydrogeologic units or water management areas throughout the County.

In general, the following types of information (hydrogeologic variations, natural and political boundaries) were used to define the WPAs, but no single approach was followed to delineate every WPA:

- Watershed boundaries
- Groundwater basin boundaries
- Urban growth boundaries
- Water supplies and management practices
- Similar demands and climate
- Similar water supply issues

2.1.1 North Coast Sub-Region

The North Coast Sub-Region shown in Figure 2.1 spans from the County line (San Luis Obispo/Monterey) southward to the community of Los Osos, bounded to the west by the Pacific Ocean and to the east by the Santa Lucia Range. This Sub-Region includes WPAs 1 through 5. This region includes the urban areas of San Simeon, Cambria, Cayucos, Morro Bay and Los Osos, and are numbered sequentially in this order.

2.1.1.1 <u>San Simeon WPA 1</u>

The San Simeon WPA encompasses the community of San Simeon, Hearst Ranch, agricultural and other rural overlying users in the northern-most portion of WPA 1. The primary groundwater supplies include the San Carpoforo, Arroyo De La Cruz, and Pico Creek Valley Groundwater Basins. The issues in this WPA include seawater intrusion and limited groundwater basin yield.

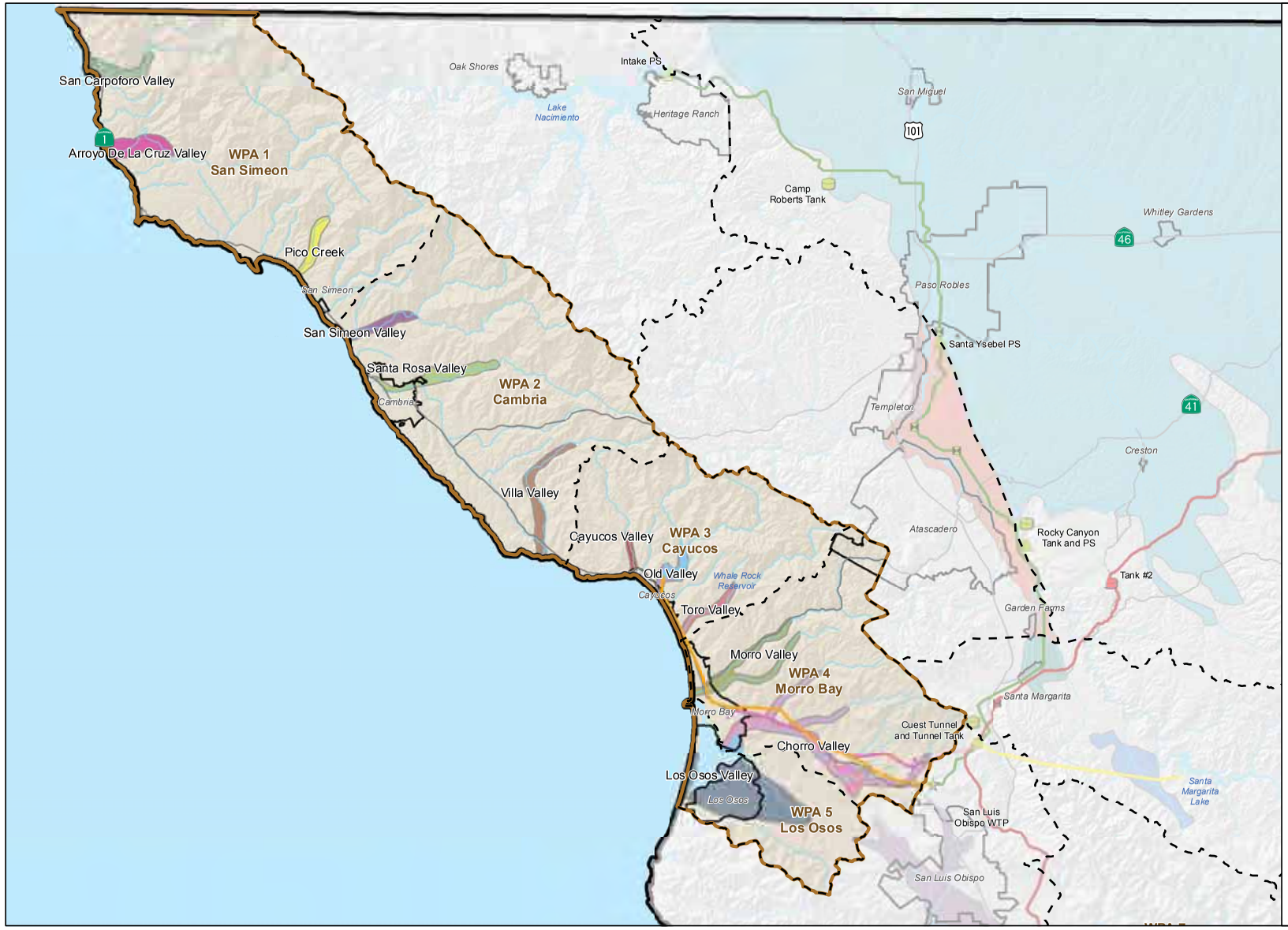


Figure 2.1
North Coast Sub-Region (WPAs 1-5)
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

2.1.1.2 Cambria WPA 2

The Cambria WPA includes the community of Cambria, agricultural and other rural overlying users. The primary groundwater supplies include the San Simeon, Santa Rosa, and Villa Valley Groundwater Basins. The issues in this WPA include the potential for seawater intrusion, drought impacts to groundwater supplies, and limited groundwater basin yield.

2.1.1.3 Cayucos WPA 3

The Cayucos WPA includes the Cayucos Area Water Organization (CAWO) members (Morro Rock Mutual Water Company, Paso Robles Beach Mutual Water Company, County Service Area 10A, and the Cayucos Cemetery District), agricultural and other rural overlying users. The primary groundwater supplies include the Cayucos, Old and Torro Valley Groundwater Basins. CAWO members receive potable water predominantly from Whale Rock Reservoir. The issues in this WPA include drought impacts to groundwater supplies and limited groundwater basin yield.

2.1.1.4 Morro Bay WPA 4

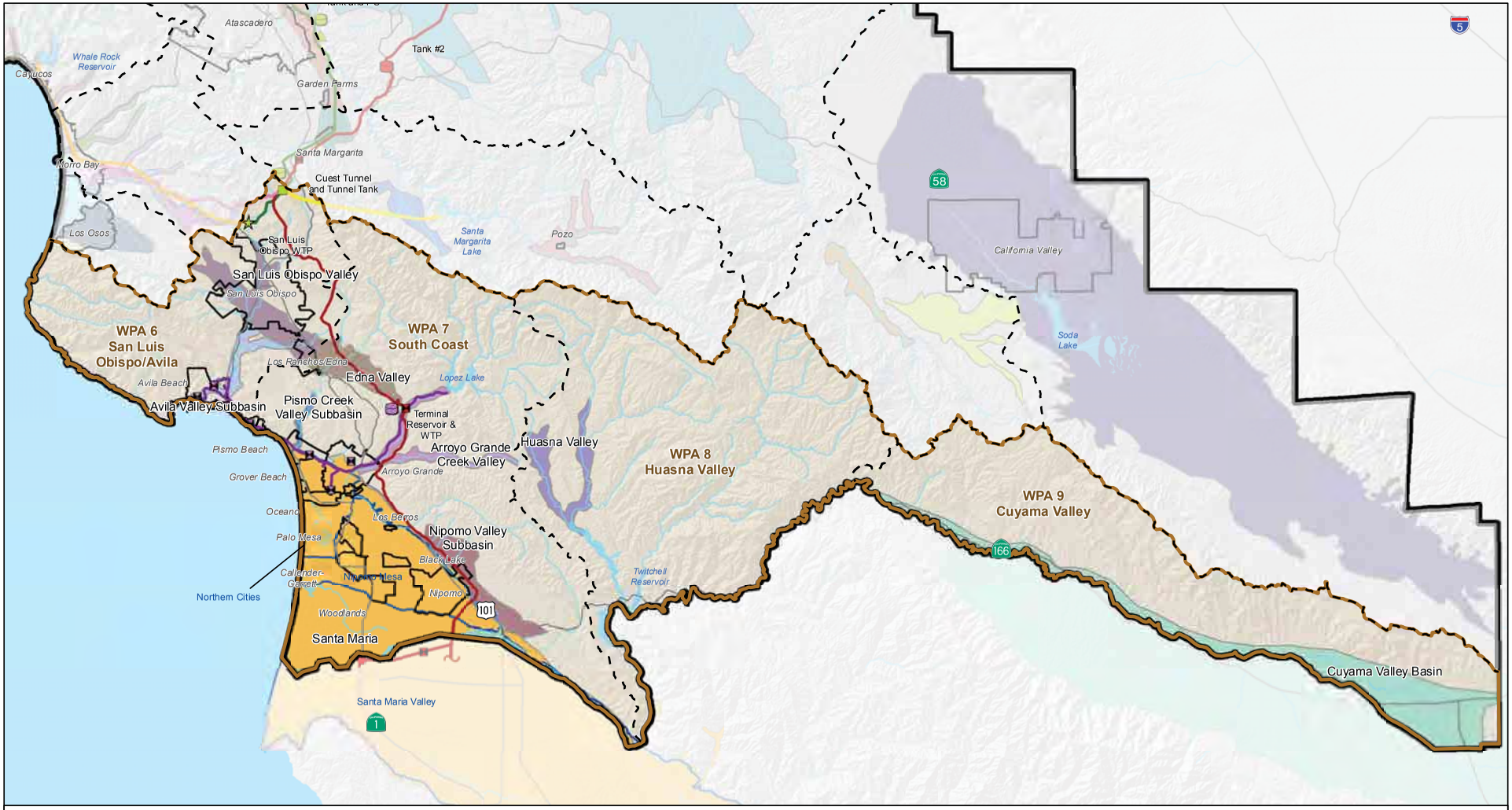
The Morro Bay WPA includes the City of Morro Bay, the Chorro Valley Water System (California Men's Colony, Cuesta College, Camp San Luis Obispo (National Guard), County Operations Center/Office of Education), agricultural and other rural overlying users. The only groundwater supplies include the Morro and Chorro Valley Groundwater Basins. Other major supply sources include the State Water Project, desalination (City of Morro Bay), Whale Rock Reservoir, Chorro Reservoir, and recycled water. The issues in this WPA include drought impacts to groundwater supplies and groundwater quality, and availability/reliability of State Water from year to year.

2.1.1.5 Los Osos WPA 5

The Los Osos WPA includes the community of Los Osos, agricultural and other rural overlying users. The primary groundwater supply is the Los Osos Valley Groundwater Basin. The issues in this WPA include drought impacts to groundwater supplies, groundwater quality and documented seawater intrusion.

2.1.2 South Coast Sub-Region

The South Coast Sub-Region shown in Figure 2.2 spans from the City of San Luis Obispo south to the County (San Luis Obispo/Santa Barbara) line, east to the Cuyama Valley, and west to the community of Avila Beach, and includes WPA 6 through 9. This WPA includes the urban areas of San Luis Obispo, Avila Beach/Port San Luis, Pismo Beach, Arroyo Grande, Grover Beach, Oceano, and Nipomo.



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme
- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Highways
- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Management Areas
- South Coast Sub-Region
- Water Planning Area
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
Water Planning Area
Groundwater Basin
URL/VRL
Water Facility
Management Area
Hydrography

0 4 8 Miles

Figure 2.2
South Coast Sub-Region (WPAs 6-9)
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

2.1.2.1 San Luis Obispo/Avila WPA 6

The San Luis Obispo/Avila WPA includes the City of San Luis Obispo, County Airport, Cal Poly, Avila Beach Community Services District (Avila Beach CSD), Avila Valley Mutual Water Company (Avila Valley MWC), San Miguelito Mutual Water Company (San Miguelito MWC), County Service Area 12 (CSA 12), Port San Luis, agricultural and other rural overlying users. The primary groundwater supplies include the San Luis and Avila Valley Sub-basins. Other major supply sources include the State Water Project, Whale Rock Reservoir, Salinas Reservoir, Nacimiento Water Project, Lopez Lake Reservoir, and recycled water. The issues in this WPA include limited groundwater supplies.

2.1.2.2 South Coast WPA 7

The South Coast WPA includes Edna Valley (Golden State Water Company); the Northern Cities Management Area (NCMA), which includes the Cities of Pismo Beach, Arroyo Grande, and Grover Beach, Oceano Community Services District, agricultural and rural overlying users; the Nipomo Mesa Management Area (NMMA), which includes the Golden State Water Company, Nipomo Community Services District (NCSD), Rural Water Company, Woodlands Mutual Water Company (Woodlands MWC), ConocoPhillips, agricultural and rural overlying users; the Santa Maria Valley Management Area (SMVMA), which includes the City of Santa Maria, agricultural and rural users; and agricultural and rural users outside of the three management areas.

The primary groundwater supplies include the Edna, Pismo Creek, and Arroyo Grande Valley Sub-basins, the Santa Maria Valley Groundwater Basin, and the Pismo Formation. Other major supply sources include the State Water Project, Lopez Lake Reservoir, and recycled water. A potential water supply project is the Nipomo Supplemental Water Project. The issues in this WPA include adjudicated groundwater basins, limited groundwater supply, and to some extent groundwater quality.

2.1.2.3 Huasna Valley WPA 8

The Huasna Valley WPA includes agricultural and rural users only. There are no large population centers with urban demands in this WPA. The primary groundwater supply is the Huasna Valley Groundwater Basin. The issue in this WPA includes limited available data on the groundwater supply's safe yield.

2.1.2.4 Cuyama Valley WPA 9

The Cuyama Valley WPA includes agricultural and rural users, and some oil fields. There are no large population centers with urban demands in this WPA. The primary groundwater supply is the Cuyama Valley Groundwater Basin. Twenty-two percent of basin is in San Luis Obispo County, and the remainder of the basin resides in the counties of Santa Barbara, Kern, and Ventura. There is no separate yield estimate for the San Luis Obispo

County portion. The primary issues in this WPA include critical overdraft of the groundwater basin and water quality.

2.1.3 Inland Sub-Region

The Inland Sub-Region shown in Figure 2.3 essentially includes the WPAs that do not drain directly to the ocean, and includes WPA 10 through 16. The Inland sub-region therefore extends inland from the San Luis Obispo/Santa Barbara County line north to the San Luis Obispo/Monterey County line, bounded to the east by Kern and Fresno Counties, and to the west in part by the Santa Lucia range.

2.1.3.1 Carrizo Plain WPA 10

The Carrizo Plain WPA includes agricultural and rural users, and potentially future solar farms. There are no large population centers with urban demands in this WPA. The primary groundwater supply is the Carrizo Plain Groundwater Basin. The primary issues in this WPA include water quality and limited groundwater supply.

2.1.3.2 Rafael/Big Spring WPA 11

The Rafael/Big Spring WPA includes agricultural and rural users only. There are no large population centers with urban demands in this WPA. The primary groundwater supplies are the Rafael and Big Spring Valley Groundwater Basins. The issue in this WPA includes limited available data on the groundwater basin's safe yield.

2.1.3.3 Santa Margarita WPA 12

The Santa Margarita WPA includes Santa Margarita Ranch, County Service Area 23, agricultural and rural users. The primary sources of water supply for this WPA are the Santa Margarita, Rinconada, and Pozo Valley Groundwater Basins, and the Santa Margarita Creek Alluvial Aquifer. The primary issues in this WPA include limited available data on basin safe yield and limited groundwater supply.

2.1.3.4 Atascadero/Templeton WPA 13

The Atascadero/Templeton WPA includes the Templeton Community Services District (Templeton CSD), Atascadero Mutual Water Company, Garden Farms Community Water District, agricultural and rural users. The primary sources of water supply for this WPA are the Atascadero Groundwater Sub-basin (Paso Robles Formation and Salinas River Underflow), recycled water, and the Nacimiento Water Project. The issues in this WPA include limited basin yield and State managed water rights to the Salinas River underflow.

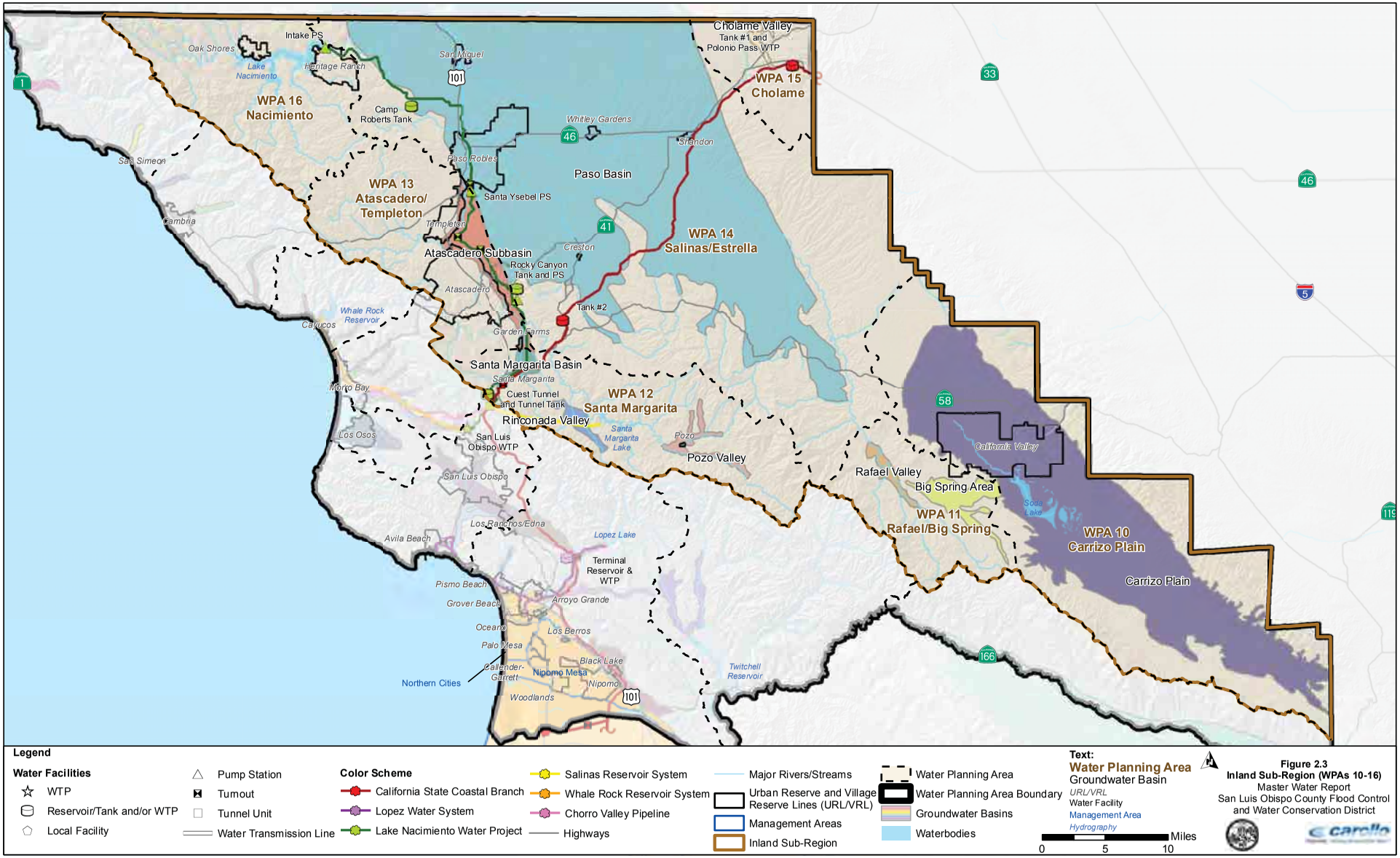


Figure 2.3
Inland Sub-Region (WPAs 10-16)
Master Water Report
San Luis Obispo County Flood Control
and Water Conservation District

2.1.3.5 Salinas/Estrella WPA 14

The Salinas/Estrella WPA includes the San Miguel Community Services District (San Miguel CSD), Camp Roberts, City of Paso Robles, County Service Area 16 (Shandon), agricultural and rural users. The primary sources of water supply for this WPA are the Paso Robles Groundwater Basin (Paso Robles Formation and Salinas River Underflow) and the Nacimiento Water Project. The issues in this WPA include water quality, State-managed water rights to Salinas River underflow, and declining groundwater levels.

2.1.3.6 Cholame WPA 15

The Cholame WPA includes agricultural and rural users only. There are no large population centers with urban demands in this WPA. The primary groundwater supply is the Cholame Valley Groundwater Basin. The issue in this WPA includes limited available data on the groundwater quality and basin safe yield.

2.1.3.7 Nacimiento WPA 16

The Nacimiento WPA includes Oak Shores, Heritage Ranch Community Services District, agricultural and rural users. The primary source of water supply for this WPA is Lake Nacimiento. The issue in this WPA is water supply reliability.

2.2 WATER SERVICE COOPERATIVE AGREEMENTS AND OTHER COORDINATION EFFORTS

This section discusses the various cooperative agreements and other inter-agency coordination efforts related to water supply throughout the County. A brief overview of these agreements and efforts is provided, listed in order by WPA:

- WPA 3, 4 and 6 - Whale Rock Reservoir Water Supply
- WPA 4 - City of Morro Bay/Whale Rock Commission
- WPA 4 – Chorro Valley Water System
- WPA 4, 6, 7 and 14 - State Water Contract
- WPA 5 – Los Osos Interlocutory Stipulated Judgment (ISJ)
- WPA 6 – Santa Margarita Lake/Salinas Reservoir
- WPA 6 and 7 - Lopez Lake Zone 3 Water Supply Project
- WPA 7 – Groundwater Management Agreement/Northern Cities Management Area
- WPA 7 – Nipomo Mesa Management Area (NMMA)
- WPA 4, 6, 13 and 14 - Nacimiento Water Supply Project
- WPA 13 and 14 - Paso Robles Groundwater Management Plan and Basin Agreement

2.2.1 WPA 3, 4 and 6 – Whale Rock Reservoir Water Supply

Whale Rock Reservoir is located on Old Creek Road approximately one-half mile east of the community of Cayucos. The project was planned, designed, and constructed under the supervision of the State Department of Water Resources. Construction took place between October 1958 and April 1961. The reservoir is jointly owned by the City of San Luis Obispo, the California Men's Colony (CMC), and Cal Poly. These three agencies, with the addition of a representative from the Department of Water Resources, form the Whale Rock Commission, which is responsible for operational policy and administration of the reservoir and related facilities. Day-to-day operation is provided by the City of San Luis Obispo.

Several agreements establish policy for the operation of the Whale Rock system and actions of the member agencies. These agreements cover aspects such as distribution of capital costs for the project construction, operations and apportionment of operations costs, downstream water rights, fish and wildlife protection, and other items.

In April 1996, the downstream water rights agreement was amended and replaced with a new agreement, establishing water entitlements for adjacent and downstream water users. The downstream water users (Cayucos Area Water Organization or CAWO) affected by this agreement consist of three public water purveyors and the cemetery, plus two other rural/agricultural users, all in the Cayucos area. These agencies are the Paso Robles Beach Water Association, Morro Rock Mutual Water Company, County Service Area 10A, and Cayucos-Morro Bay Cemetery District.

2.2.2 WPA 4 - City of Morro Bay/Whale Rock Commission

A mutual aid agreement exists between the Whale Rock Commission and the City of Morro Bay, dated 2000, relative to water resources in the event of an emergency. The SWP shuts down for annual maintenance activities each fall/winter during which the City has used its alternative supplies. In 2008, the SWP shutdown took place also when groundwater quality issues were limiting the City's use of well water. The shortfall was made up for through this agreement with CMC to provide Morro Bay with water during that period. Treated Whale Rock water from CMC water treatment plant is conveyed to Morro Bay via the Chorro Valley Pipeline.

2.2.3 WPA 4 - Chorro Valley Water System

The Chorro Valley Water System includes these entities: CMC, Camp San Luis Obispo, Cuesta College, and San Luis Obispo County Operations Center/Office of Education**.** CMC operates a water treatment plant to provide potable water to CMC facilities and wheels water to Camp San Luis Obispo, Cuesta College, County Operations Center (which includes Fleet Services, Water Quality Lab, Juvenile Detention Center, County Jail, Office of Emergency Services), and County Office of Education. These entities have several inter-entity agreements relating to entitlements to their shared water supplies, which include

Whale Rock Water, Chorro Reservoir, and State Water. Camp San Luis Obispo also has first rights to one on-site well (County Well No. 1).

2.2.4 WPA 4, 6, 7, and 14 -State Water Project

The California Department of Water Resources (DWR) owns and operates the State Water Project (SWP). It is the largest state-built water and power project in the United States. The SWP first started delivering water to Californians in the 1960s. In 1963, the San Luis Obispo County Flood Control and Water Conservation District (District) contracted with DWR for 25,000 acre feet per year (AFY) of State Water. However, the Central Coast was not served with State Water until 1997 when the Coastal Branch conveyance and treatment facilities, serving Santa Barbara and San Luis Obispo counties, were completed.

The treatment facility for State Water delivered through the Coastal Branch, Polonio Pass Water Treatment Plant (PPWTP), is owned, operated and maintained by the Central Coast Water Authority (CCWA) for users in San Luis Obispo and Santa Barbara Counties. The Coastal Branch conveyance system is owned by DWR, which also operates and maintains the raw water portion of the system. The treated water portion is operated and maintained by CCWA. Agreements between CCWA, the Santa Barbara County Flood Control and Water Conservation District, the San Luis Obispo County Flood Control and Water Conservation District (District) and DWR are in place to establish these roles and relationships.

Upon initiation of the development of the Coastal Branch in the early 1990s, entities within the District came forward with Water Service Amount (WSA) requests for portions of the District's allocation of State Water. After extensive policy discussions regarding the use of State Water, the District entered into Water Supply Agreements with the agencies identified in Chapter 3, Table 3.5, and Master Water Treatment and Coastal Branch construction agreements with CCWA for treatment of and associated delivery capacity for 4,830 AFY of State Water.

Water purveyors receiving State Water include the following:

- WPA 4 - City of Morro Bay, CMC, County Operations Center, Cuesta College
- WPA 6 - San Miguelito MWC, Avila Beach CSD, Avila Valley MWC, San Luis Coastal USD.
- WPA 7 - City of Pismo Beach and Oceano CSD.
- WPA 14 - Shandon (not currently receiving – anticipated to receive in 2013).

2.2.5 WPA 5 – Los Osos Interlocutory Stipulated Judgment (ISJ)

The following three water purveyors serve the community of Los Osos:

- Los Osos Community Services District (Los Osos CSD)

- S & T Mutual Water Company (S&T MWC)
- Golden State Water Company (GSWC)

These three water agencies and overlying water users utilize the same groundwater basin in the Los Osos Valley. The three local water purveyors, along with the County of San Luis Obispo, are currently preparing a Basin Management Plan under a court-approved Interlocutory Stipulated Judgment (ISJ).

2.2.6 WPA 6 – Santa Margarita Lake/Salinas Reservoir

The Salinas Dam was built in 1941 by the War Department to supply water to Camp San Luis Obispo and, secondarily, to meet the water needs of the City of San Luis Obispo. The Salinas Reservoir (Santa Margarita Lake) captures water from a 112 square mile watershed and can currently store up to 23,843 acre-feet (AF). In 1947, the Salinas Dam and delivery system was transferred from the regular Army to the U.S. Army Corps of Engineers. Since 1965, the District has operated this water supply for the City under a lease from the U.S. Army Corps of Engineers. Water from the reservoir is pumped through the Cuesta Tunnel (a one mile long tunnel through the mountains of the Cuesta Ridge) and then flows by gravity to the City's Water Treatment Plant on Stenner Creek Road. Transfer of dam ownership to the District from the U.S Army Corps of Engineers is under consideration.

2.2.7 WPA 7 – Groundwater Management Agreement/Northern Cities Management Area

The Northern Cities (including the cities of Arroyo Grande, Grover Beach, and Pismo Beach, and the Oceano Community Services District) have a long history of cooperatively managing the groundwater underlying the Northern Cities area. The 1983 "Gentlemen's Agreement," as amended, was reaffirmed in a 2002 Agreement Regarding the Management of the Arroyo Grande Groundwater Basin ("2002 Groundwater Management Agreement"). The 2002 Groundwater Management Agreement was incorporated into the 2005 Stipulation, which was ultimately affirmed by the Court within the 2008 Judgment. For more information on the Santa Maria Valley Groundwater Basin litigation, see section 4.2.2.2.3.

The 2002 Groundwater Management Agreement established a safe yield for the Arroyo Grande Groundwater Basin of 9,500 AFY. The safe yield included subdivisions for agricultural irrigation (5,300 AFY), subsurface flow to the ocean (200 AFY) and urban uses (4,000 AFY). It also provided that urban groundwater allocations can be increased when land within the incorporated boundaries is converted from agricultural uses to urban uses, referred to as an agricultural conversion credit, or "ag credit." Accordingly, the Cities of Arroyo Grande and Grover Beach have increased their groundwater allocations through the conversion of agricultural uses to urban uses within their service areas. The 2010 Annual Report for the Northern Cities Management Area (NCMA) summarizes the groundwater allocations for the Northern Cities as follows:

Urban Area	Groundwater Allotment (from 2002 Groundwater Management Agreement), AFY	Ag Credit, AFY	Total, AFY
Arroyo Grande	1,202	112	1,314
Grover Beach	1,198	209	1,407
Pismo Beach	700	0	700
Oceano CSD	900	0	900
Total	4,000	321	4,321

In addition to the monitoring and reporting requirements described in the Stipulation, representatives from the NCMA frequently meet and coordinate with representatives from the Nipomo Mesa Management Area and the Santa Maria Valley Management Area (SMVMA) through the SMVMA's Technical Subcommittee.

2.2.8 WPA 6 and 7 – Lopez Lake Zone 3 Water Supply Project

The District completed the Lopez Dam in 1968 to provide a reliable water supply for agricultural and municipal needs as well as flood protection for coastal communities. Allocations for Lopez water are based on a percentage of the safe yield of the reservoir, 8,730 AFY. Of that amount, 4,530 AFY are for pipeline deliveries and 4,200 AFY are reserved for downstream releases. The dam, terminal reservoir, treatment and conveyance facilities are a part of Flood Control Zone 3.

There are two reports under development that relate to Zone 3 operations and water supply management. The Arroyo Grande Habitat Conservation Plan addresses downstream releases and coordination of reservoir storage operations with ecosystem needs and water rights. Additionally, a study is being conducted to consider the feasibility of modifying the dam to augment capacity of the reservoir.

The agencies that contract for Lopez water in Zone 3 include the communities of Oceano, Grover Beach, Pismo Beach, Arroyo Grande, and County Service Area (CSA) 12 (including the Avila Beach area).

2.2.9 WPA 7 – Nipomo Mesa Management Area

The Nipomo Mesa Management Area (NMMA) is part of the Santa Maria Valley groundwater basin adjudicated area. Basin groundwater users in the NMMA include Golden State Water Company, Rural Water Company, Woodlands, ConocoPhillips, Nipomo Community Services District, Lucia Mar Unified School District, small public water systems (serving residential, industrial and nursery/greenhouse operations), and commercial, agricultural and residential overlying users.

The Nipomo Mesa area is currently in a certified Level of Severity III for water supply (resource capacity has been met or exceeded), as defined by San Luis Obispo County. The

County's Level of Severity III led to the preparation of a water conservation ordinance (SLO County Code, Title 8 Chapter 8.92, effective September 25, 2008).

The NMMA Technical Group has established a groundwater monitoring plan that uses coastal and inland key wells to assess the condition of the basin. The 2008 Annual Report indicates that a potentially severe water shortage condition exists. This condition calls for voluntary actions under a response plan, with recommendations to draft a Well Management Plan and a conceptual plan to identify specific actions to be taken (NMMA Technical Group, 2009). Efforts to better understand groundwater conditions in the NMMA continue, and in addition to the monitoring and reporting requirements described in the Stipulation, representatives from the NMMA frequently meet and coordinate with representatives from the Northern Cities Management Area and the SMVMA through the SMVMA's Technical Subcommittee.

2.2.10 WPA 4, 6, 13 and 14 - Nacimiento Water Supply Project

The Nacimiento Dam was constructed in 1957 by Monterey County Flood Control and Water Conservation District (now known as the Monterey County Water Resources Agency (MCWRA)). The dam and reservoir continue to be operated by MCWRA. The lake has a capacity of 377,900 acre feet and a surface area of 5,727 acres. Water is collected from a 324 square mile watershed that is comprised of grazing lands and rugged wilderness.

In 1959, the District secured the rights to 17,500 AFY from Lake Nacimiento, with 1,750 AFY reserved for lakeside users and the Heritage Ranch Community Services District (CSD). After a long series of studies and negotiations, the Nacimiento Water Project (NWP) was initiated. The NWP is the single largest project that the District has ever undertaken. The total project cost, including design, construction, construction management, environmental permitting, and right-of-way, is approximately $176 million. Raw water deliveries recently began in 2010, with the City of San Luis Obispo taking first water deliveries at the Stenner Creek WTP.

Current NWP subscribers have contracted for a total of 9,655 AFY of the available 15,750 AFY, and include:

- WPA 4, CSA 10A (via exchange)
- WPA 6, City of San Luis Obispo
- WPA 13, Templeton CSD, Atascadero MWC
- WPA 14, City of Paso Robles

Heritage Ranch CSD's allocation of Nacimiento Reservoir water of 1,100 AFY is part of the 1,750 AFY reserved for County residents in the Lake Nacimiento area. It is sufficient to provide water for build-out demand, but the configuration of the delivery system (drawing from the river downstream of the Nacimiento Dam) leaves the Heritage Ranch CSD vulnerable to a cut off of its water supply in an extreme drought. Heritage Ranch CSD,

under mandate by California Department of Public Health, is currently in the process of developing an emergency water supply project. As part of this project, the County of San Luis Obispo and County of Monterey are currently in the process of reviewing water rights and operational issues of Nacimiento Dam under such drought conditions when the lake levels reach dead pool elevation (elevation at which water no longer can be released by gravity through the dam).

2.2.11 WPA 13 and 14 - Paso Robles Groundwater Management Plan and Basin Agreement

2.2.11.1 Paso Robles Groundwater Management Plan

The Paso Robles Basin Regional Groundwater Management Plan (Groundwater Management Plan) was prepared coincident with other ongoing studies to develop a stakeholder-driven voluntary plan to provide a framework for future groundwater management activities. This project was funded by a grant from the Local Groundwater Assistance Act of 2000 (California Water Code Section 10795 et seq.) to provide grants to public agencies to conduct groundwater studies or to carry out groundwater monitoring and management activities.

The purpose of the Groundwater Management Plan is to develop a common understanding of the groundwater issues and management opportunities in the Paso Robles Basin and identify and support projects such as conjunctive use, recycled wastewater, and demand management, which will improve groundwater management. Following development of the Groundwater Management Plan, the goal is to implement the activities identified in the plan to achieve the Basin Management Objectives that are identified in the plan.

The effects of these groundwater management activities are expected to result in changed groundwater conditions, which are monitored and reported to the agencies, interested parties, and stakeholders.

2.2.11.2 Paso Robles Groundwater Basin Agreement

The Agreement was entered into on August 19, 2005 by the District, several overlying landowners who have organized as the Paso Robles Imperiled Overlying Rights (PRIOR) group, and the City of Paso Robles and County Service Area No. 16 (collectively referred to as Municipal Users). Since 2005, additional overlying landowners and the San Miguel Community Services District, as a Municipal User, have also signed the Agreement. The Agreement requires the District to declare the Paso Robles Groundwater Basin to be in a state of overdraft, when appropriate, at which point a period of time is conferred to allow overlying landowners sufficient time to react to such a declaration. In the Agreement, the District serves as the technical advisor to both the Landowners and Municipal Users.

The Agreement recognizes the need for monitoring and appropriate management of the existing basin supplies and also recognizes that bringing additional water resources to the basin could delay or avoid entirely the Paso Robles Groundwater Basin becoming

overdrafted in the future. The Agreement also recognizes signatories' desire to preserve their respective groundwater rights, notwithstanding implementation of any management measures, thereby providing the framework for cooperation among the Landowners and Municipal Users to participate in the development of a groundwater management plan.

2.3 RESOURCE AGENCIES

This section discusses and recognizes the roles of the non-purveyor type entities (i.e. State agencies, agricultural groups, and environmental groups) that have some involvement in water resources management/issues, such as resource conservation districts, the Central Coast Regional Water Quality Control Board (Region 3) and State Water Resources Control Board, State Department of Water Resources (DWR), Morro Bay Estuary program, Central Coast Vineyard Team, San Luis Obispo County Farm Bureau and others. It is important to understand their influence and involvement on water resources management efforts within the County, and that they have either contributed to the development of this Master Water Report, or should be coordinated with in future efforts to better understand the conditions in different water planning areas.

2.3.1 State Agencies

DWR – The State DWR mission statement is "To manage the water resources of California in cooperation with other agencies, to benefit the State's people, and to protect, restore, and enhance the natural and human environments." DWR programs and roles include development and implementation of the California Water Plan, grant program administration, conservation and urban water management planning regulation, groundwater basin and watershed planning/management, State Water Project ownership and operation, and a number of other functions. Excerpts from the California Water Plan are utilized in the Water Management Strategies discussion of this MWR.

State/Regional Water Board – The State Water Board's mission is to preserve, enhance and restore the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations. The Water Boards regulate wastewater discharges to surface water (rivers, ocean, etc.) and to groundwater (via land). The Water Boards also regulate storm water discharges from construction, industrial, and municipal activities; discharges from irrigated agriculture; dredge and fill activities; the alteration of any federal water body under the 401 certification program; and a number of other activities with practices that could degrade water quality. Their programs also address water rights, grant program administration, and guidance to assist with these efforts. From the State Board web site; programs offered by the State and Regional Board include biosolids, dredge/fill (401) wetlands, irrigated lands, land disposal (landfills, waste piles), waste discharge requirements (non-Subchapter 15), NPDES Surface Water, recycled water, sanitary sewer overflows, stormwater, and timber harvest activities.

2.3.2 Agricultural Organizations

These include, among others, the San Luis Obispo Coastal and Upper Salinas-Las Tablas RCDs, University of California Davis Cooperative Extension, San Luis Obispo County Farm Bureau, San Luis Obispo Cattlemen's Association, Paso Robles Wine Country Alliance, Central Coast Vineyard Team and entities representing particular crop types – each have a variety of roles which may include conservation and water quality efforts, data collection, special studies, policy review, and overall stakeholder review of issues.

2.3.3 Environmental Organizations

These include, among others, Central Coast Salmon Enhancement, Sierra Club, Morro Bay National Estuary Program and Coast Keepers - each have a variety of roles, which may include conservation and water quality efforts, data collection, special studies, policy review, and overall stakeholder review of issues.

PART II: AVAILABLE DATA

3.1 OBJECTIVES

The purpose of this chapter is to describe the existing data collection programs and the data available for completing the Master Water Report and for managing water resources in the County.

3.2 DATA COLLECTION EFFORTS OR PROGRAMS

Appendix A includes the Data Summary Memorandum prepared by Wallace Group and others. This memorandum summarizes the information used to determine existing and forecast water demands and available supplies. In addition to this memorandum, excerpts from the County's Data Enhancement Plan, which describes the County's water resources data collection network, are provided below.

3.2.1 Groundwater

Groundwater data has been collected for many years in the region. Primarily the San Luis Obispo County Flood Control and Water Conservation District (District) has been the lead agency to collect this information from water providers, local agencies, and land owners.

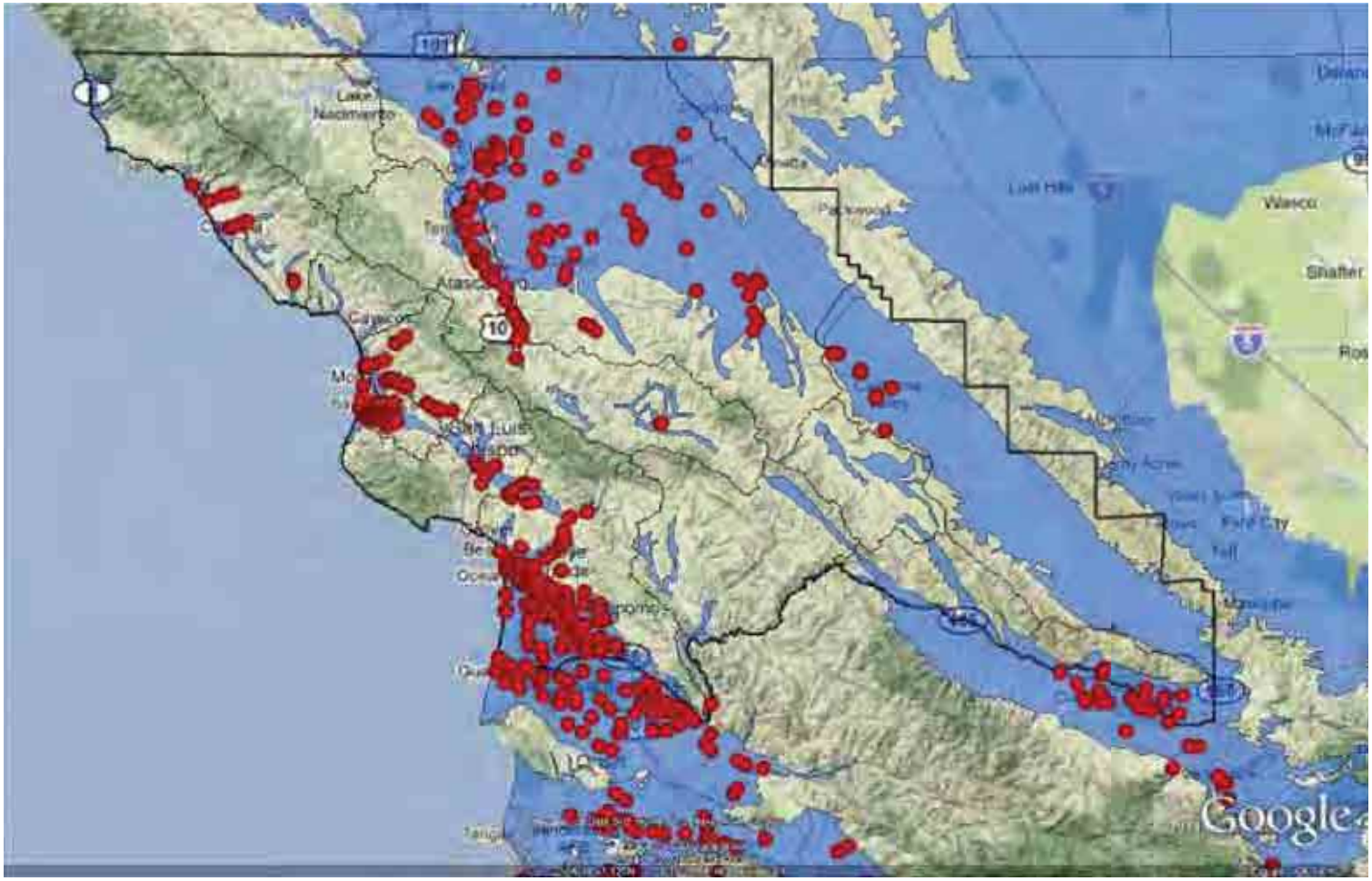
3.2.1.1 Water levels

Water levels throughout the region have been collected in the primary groundwater basins of the region, as shown in Figure 3.1. The colored regions delineate the defined groundwater basins of the region. Red circles indicate active well sites.

3.2.1.1.1 *District Groundwater Level Measuring Program*

Groundwater levels have been measured by the District in selected wells on a semi-annual basis to provide data for planning and engineering purposes. The monitored wells are located within groundwater basins and sub-basins of the Central Coast Hydrologic Region described in Department of Water Resources Bulletin 118. Program wells are selected based on aquifer definition and uniform aerial distribution.

The District maintains a database with hundreds of wells. Readings started in the early 1950s. Water level readings are taken in April and October. The groundwater elevation data obtained from this monitoring program collected over time provide a general indication of ground water basin conditions. This information is used in determining groundwater availability and basin yield estimates, and for hydrogeologic and geotechnical impacts and assessment studies on potential projects.



MEASURED REGIONAL GROUNDWATER WELLS

FIGURE 3.1

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
SAN LUIS OBISPO COUNTY MASTER WATER REPORT

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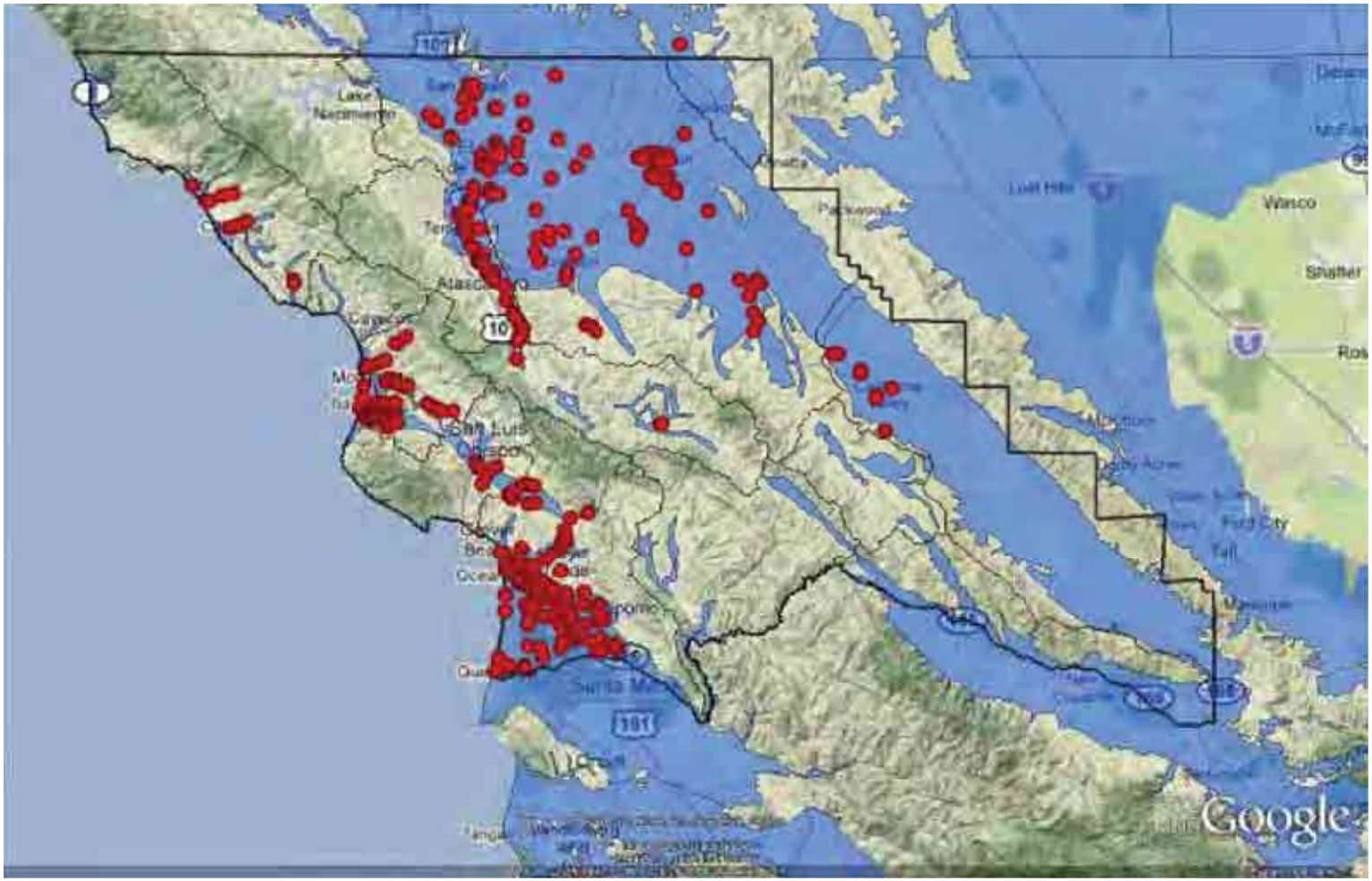
The Salinas River corridor of the Paso Robles Basin, Los Osos Valley, Nipomo Mesa, San Luis Obispo Valley, and the Tri-Cities Mesa have a large number of program wells because of their high population density. The Chorro Valley, Guadalupe hydrologic area, Morro Valley, Creston area, San Juan area, and Shandon areas have a large number of program wells because of their greater agricultural land use.

The current active wells measured in the region by the District, and the regional groundwater basins are shown in Figure 3.2. The majority of well owners participate on a voluntary basis and the wells are typically production wells, which create certain challenges with maintaining an accurate, long-term record, making information available to the general public and understanding the condition of every groundwater basin in the County. The District is initiating the development of a more formal groundwater monitoring program for approval by the Board of Supervisors and with elements that can be adopted by ordinance. The program will, at a minimum, address groundwater level and usage data collection. Effort to develop the program will include town-hall meetings to ensure stakeholder involvement. Issues to be addressed during the development of the program would include, but not be limited to, gaps in the existing monitoring network, voluntary versus non-voluntary participation, distinguishing how different users (urban, agricultural, rural) would be involved/affected/not affected, education and outreach, understanding what other amendments to County Code related to groundwater data collection are being developed, and the legal authorities of the County/District.

In early 2008, Cleath & Associates evaluated the San Luis Obispo County well measuring program. Their analysis recommended that 48 wells should be eliminated, and 66 wells should be added to the program. The total number of wells in the updated monitoring program would be 485 monitoring wells. Additionally, one well should be established in each of the un-gauged groundwater basins of the region. The following basins are currently un-gauged and should have at least one centrally located well:

- Arroyo De La Cruz Valley
- Big Spring Area
- Cayucos Valley
- Huasna Valley
- Old Valley
- Rafael Valley
- Rinconada Valley
- San Capoforo Valley
- Toro Valley



DISTRICT GROUNDWATER MEASURING PROGRAM

FIGURE 3.2

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
SAN LUIS OBISPO COUNTY MASTER WATER REPORT

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3.2.1.1.2 *U.S. Geological Survey*

The USGS measures depth to groundwater in thousands of wells throughout the Nation. Their groundwater database contains records from about 850,000 wells that have been compiled during the course of ground-water hydrology studies over the past 100 years.(Figure 3.3)

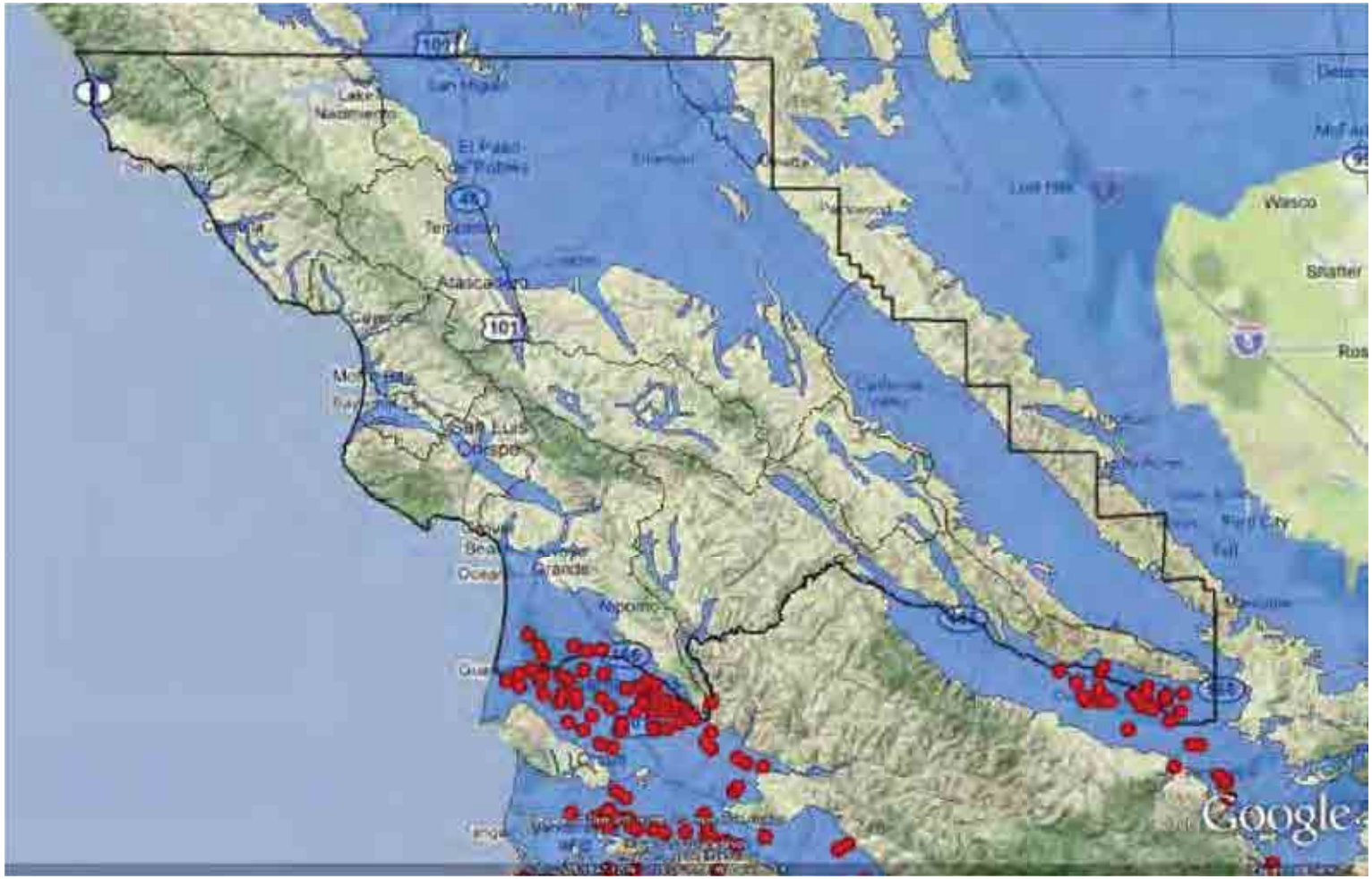
The USGS is responsible for measuring the wells in Santa Barbara County's groundwater program. Locally, only a few wells are measured by the USGS, all of which are located on the southern county border in the vicinity of Santa Maria and Cuyama. Information from these wells is served via the internet through NWISWeb, the National Water Information System Web Interface. NWISWeb provides all USGS ground-water data that are approved for public release. More information can be found at: http://waterdata.usgs.gov.

3.2.1.2 Geologic Data and Well Logs

Perhaps thousands of well logs are on file for locations throughout the county, and legislators are currently working on legislation to clarify the availability of well log information to the public. The County's Environmental Health Department is responsible for the collection of well log information as a part of its permitting process. Some well logs are also on file at both the County Public Works Department and the State Department of Water Resources.

Well construction data may not be available for all wells currently included in the monitoring network. Downhole surveys of some of the existing wells currently being monitored could be conducted to obtain construction details and determine which aquifers are being monitored. These downhole surveys would improve the understanding of the groundwater levels and groundwater movement in the area of the well.

For wells without construction records, video logs could be performed during pump maintenance. Recent technology developments allow down-hole investigation of wells without having to remove their pumps and can provide a video survey to determine their screen intervals; estimate the amount of flow contributed by aquifer (allowing the aquifer characteristics to be estimated) and collect water quality samples by aquifer. These video surveys do have limitations due to the pump column being in the well during the survey. The well owner could notify the District and the well logging service to coordinate these efforts with their pump maintenance.



U.S. GEOLOGICAL SURVEY
WELL MEASURING PROGRAM

FIGURE 3.3

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
SAN LUIS OBISPO COUNTY MASTER WATER REPORT

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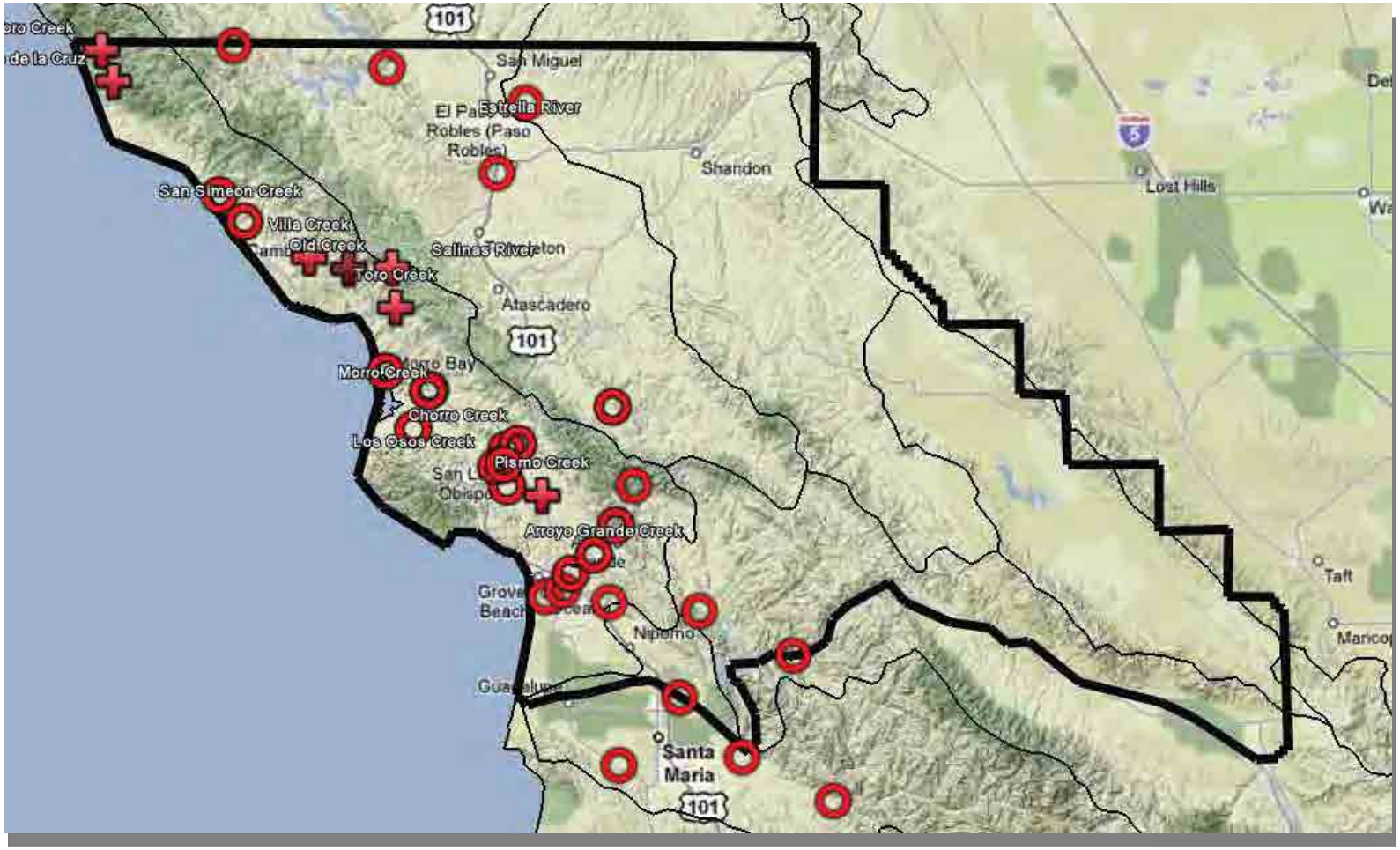
3.2.2 Stream Flow

Water levels are typically collected in streams as part of a stream flow monitoring program. In addition, water levels are also collected in streams to support flood protection activities, and in reservoirs to assist with daily operations.

The major streams and rivers in the region include:

- Arroyo De La Cruz Creek
- Arroyo Grande Creek*
- Cayucos Creek
- Chorro Creek*
- Estrella River*
- Los Osos Creek*
- Morro Creek*
- Old Creek
- Pismo Creek
- Salinas River*
- San Capoforo Creek
- San Luis Obispo Creek*
- San Simeon Creek*
- Santa Rosa Creek*
- Toro Creek
- Villa Creek

The streams marked with an "*" indicate streams that have current gauge stations, and are shown as red circles in Figure 3.4 on the next page.



STREAM WITH CURRENT GAUGE STATIONS

FIGURE 3.4

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

SAN LUIS OBISPO COUNTY MASTER WATER REPORT

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There are seven major streams in the region that do not currently have stream gauges, as suggested in the above figure. Those streams are marked by a red cross ("+") on the map above. (Existing streams are marked by a red circle.) Those streams include:

- Arroyo De La Cruz Creek
- Cayucos Creek
- Old Creek
- Pismo Creek
- San Capoforo Creek
- Toro Creek
- Villa Creek

In order to measure stream flow at the outlet of each Hydrologic Catalog Unit within the region, stream gauges should be placed at the outlet of each of the above creeks. The Salinas River, Santa Maria River, and Estrella River watersheds all have USGS stream gauges that measure streamflow from their respective accounting units. When adding new sites to the stream network, using past, inactive gauges, which may have a period of record that will complement any new data collected, should be considered.

Once each major stream in the region has a stream gauge, it would be worthwhile to gauge some of the smaller tributaries and creeks in the region. County basins that would significantly benefit from enhanced stream flow monitoring conducted for land use and water resources planning include the Paso Robles Basin, San Simeon Basin, Santa Rosa Basin, Los Osos Basin, San Luis Obispo/Edna Valley Basin, Arroyo Grande Basin, Nipomo Mesa Basin, and the Santa Maria Basin. When enhancing the monitoring in these regions, placing gauges on major creeks near the confluence with significant tributaries, on some smaller streams and tributaries, and at major cities along the major creeks should be considered.

To manage water resources for "in-stream" values and functions such as recreation, aesthetic enjoyment, and habitat for aquatic ecosystems, it is important to measure the stages of streams in the region. The recommendations above meet this data requirement. To understand the regional natural flow regime, there should be a number of stream gauges in natural watersheds. The recommendations above meet this need.

An enhanced flood warning system may be used to some extent in many communities of the region. With adequate warning, property owners may have time to install flood gates or move valuable objects to higher ground. Unfortunately, times of concentration of creeks and rivers in the county are relatively short – only a few hours or less. A flood warning system would only allow enough time for the most basic preparations. Communities with historic flooding that may benefit from a flood warning system include Cambria and other north

coast communities, San Luis Obispo to Avila Beach, Five Cities/Arroyo Grande Watershed, Los Osos, Shandon, and old town Nipomo.

In particular, the following roads are consistently flooded in storm events and would benefit from the installation of a real-time stage gauge:

- Airport Road at the Estrella River in Paso Robles
- Buena Vista Drive at Huerohuero Creek in Paso Robles
- San Luis Bay Drive at San Luis Obispo Creek (near Monte Road towards Avila)
- Shell Creek Crossing near Shandon (flash floods potential)
- Turri Road in Los Osos (roughly 1.5 miles upstream of South Bay Drive)
- Upper Santa Rosa Creek Road in Cambria

There are two agencies that collect stream flow information in the region: District and the United States Geological Survey, as discussed below. Stream flow data is also collected on occasion through the Central Coast Ambient Monitoring Program (CCAMP), but only when water quality samples are collected. The CCAMP does not use permanent stream flow gauges.

3.2.2.1 District Stream Measuring Program

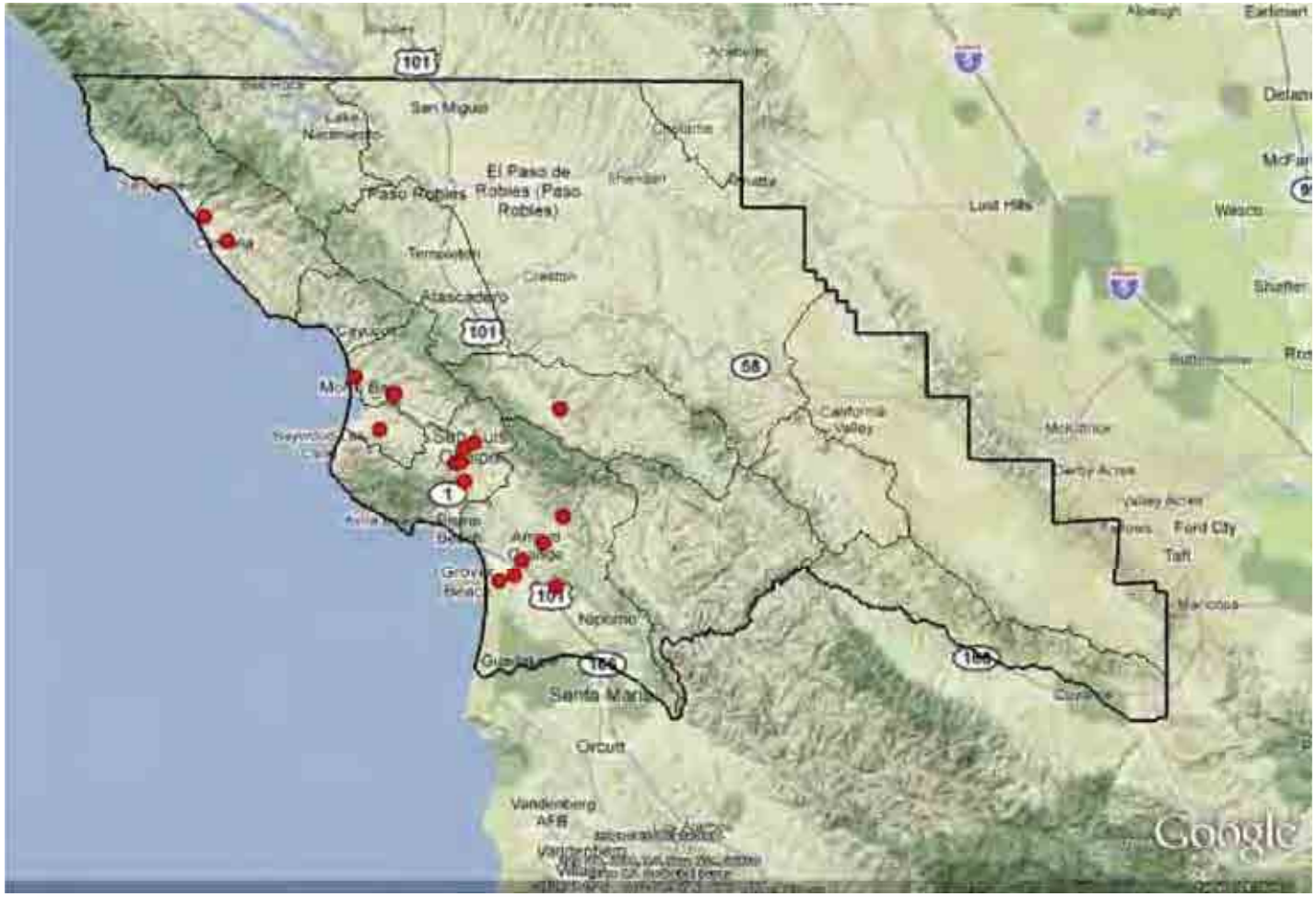
The District has records of various length from over 30 stream gauging stations, including six stations that were acquired from the USGS. Currently, 18 stream gauge stations located throughout San Luis Obispo County are maintained the County Public Works Department. Each of the gauge stations measure the depth of flow or “stage” of the stream which can be used to estimate the stream discharge at the gauge location.

These sites are maintained to support District reservoir operations, flood control, and other water resources purposes. Most of the District gauges are on coastal creeks and rivers, with the exception of one gauge on the Salinas River, just downstream of the Salinas Dam, as shown in Figure 3.5.

For more information of the District’s Stream Gauges, go to: http://www.slocountywater.org/site/Water%20Resources/Data/maps/stream-flow.htm.

3.2.2.2 U.S. Geological Survey Stream Gauging Program

The U.S. Geological Survey (USGS) stream gauging program provides streamflow data for a variety of purposes that range from current needs, such as flood forecasting, to future or long-term needs, such as detection of changes in streamflow due to human activities or global warming. The development of data on the flow of the Nation's rivers mirrors the development of the country. From the establishment of the first stream gauging station operated by the USGS in 1889, this program has grown to include 7,292 stations in operation as of 1994. Data from the active stations, as well as from discontinued stations,



SAN LUIS OBISPO COUNTY STREAM MEASURING PROGRAM

FIGURE3.5

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

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are stored in a computer data base that currently holds mean daily-discharge data for about 18,500 locations and more than 400,000 station-years of record. The stream-discharge data base is an ever-growing resource for water resources planning and design, hydrologic research, and operation of water resources projects.

The U.S. Geological Survey's National Streamflow Information Program (NSIP) operates and maintains approximately 7,500 stream gauges which provide long-term, accurate, and unbiased information on streamflow to meet the needs of many diverse users. The mission of NSIP is to provide the streamflow information and understanding required to meet local, State, regional, and national needs.

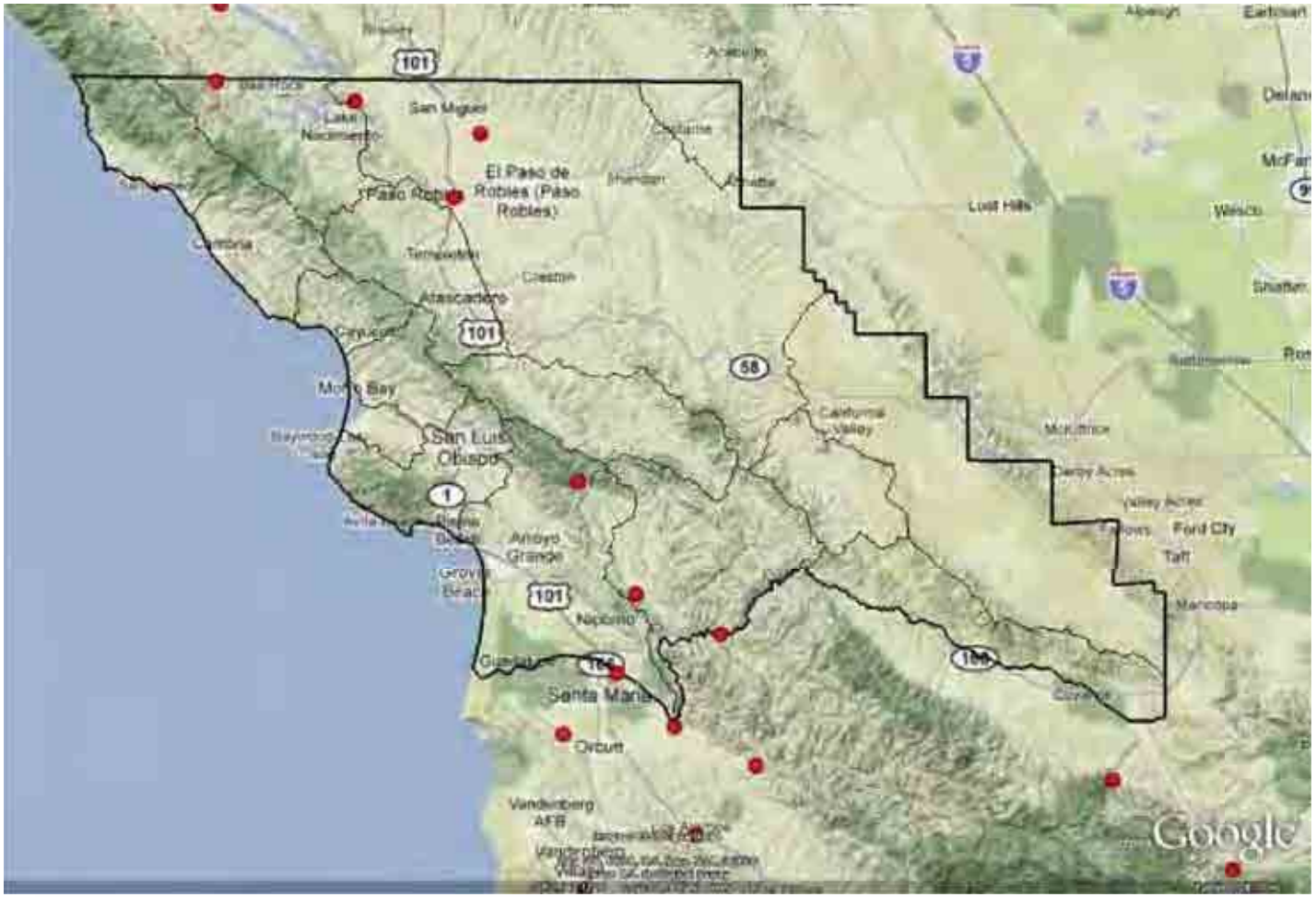
Streams maintained by the USGS tend to be on inland streams and rivers, and are typically funded, at least in part, at a local level. Most stream gauges in the region, if not all, support local reservoir operations (Figure 3.6).

3.2.3 Precipitation

Many agencies collect precipitation data in the region. The major rain gauge networks are shown on Figure 3.7 and discussed below.

3.2.3.1 District Recording Rain Gauge Program

There are a number of recording rain gauges in operation in the County. These gauges provide a record of accumulated precipitation versus time. The District Recording Rain Gauge network consists of 13 recording gauges located throughout the region. The distribution and density of recording rain gauges in the region is fairly limited, and noticeably lacking in the northern and eastern part of the region (Figure 3.8).



USGS STREAM GAUGE SITES

FIGURE 3.6

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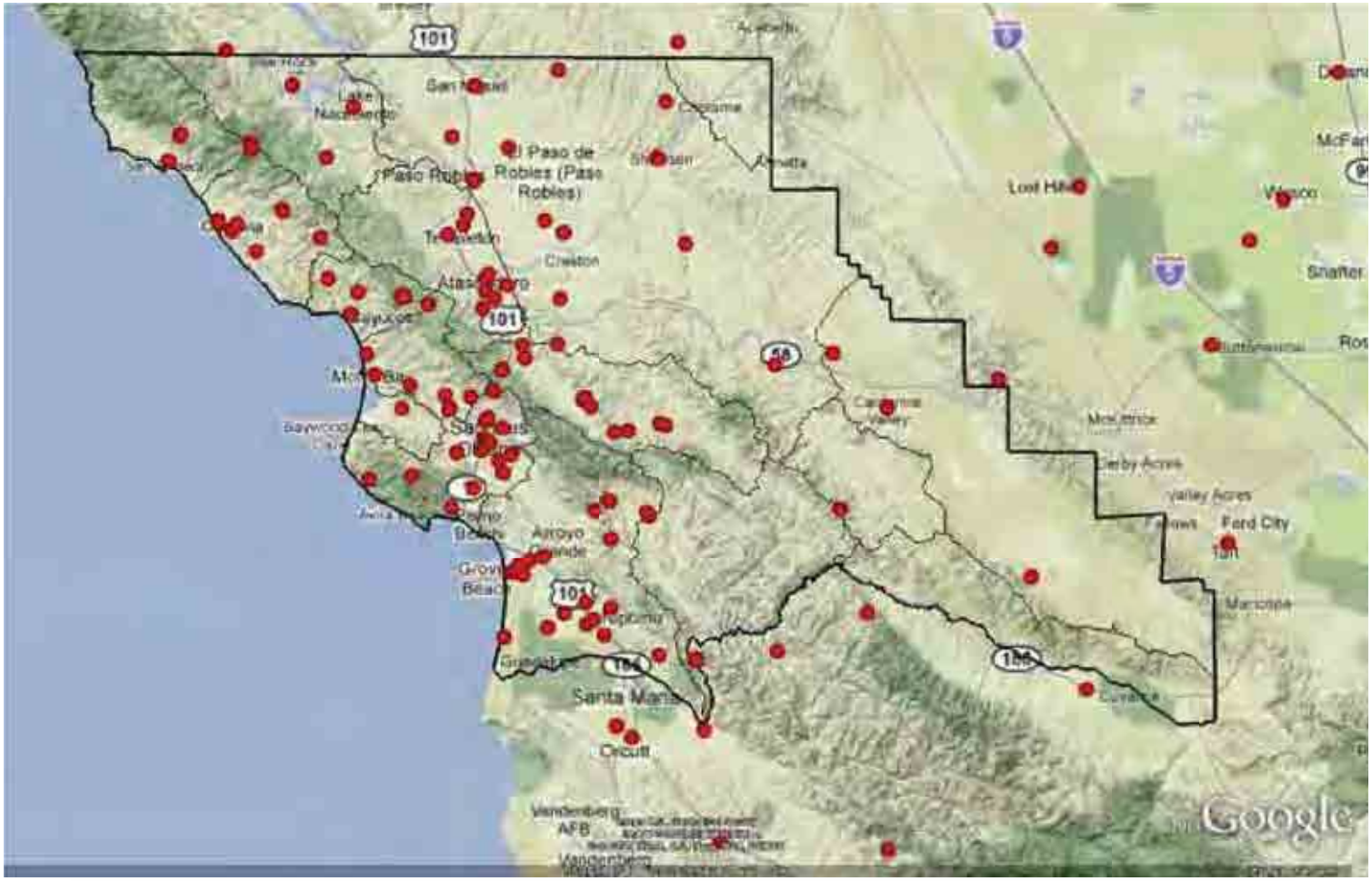

REGIONAL RAIN GAUGE NETWORK

FIGURE 3.7

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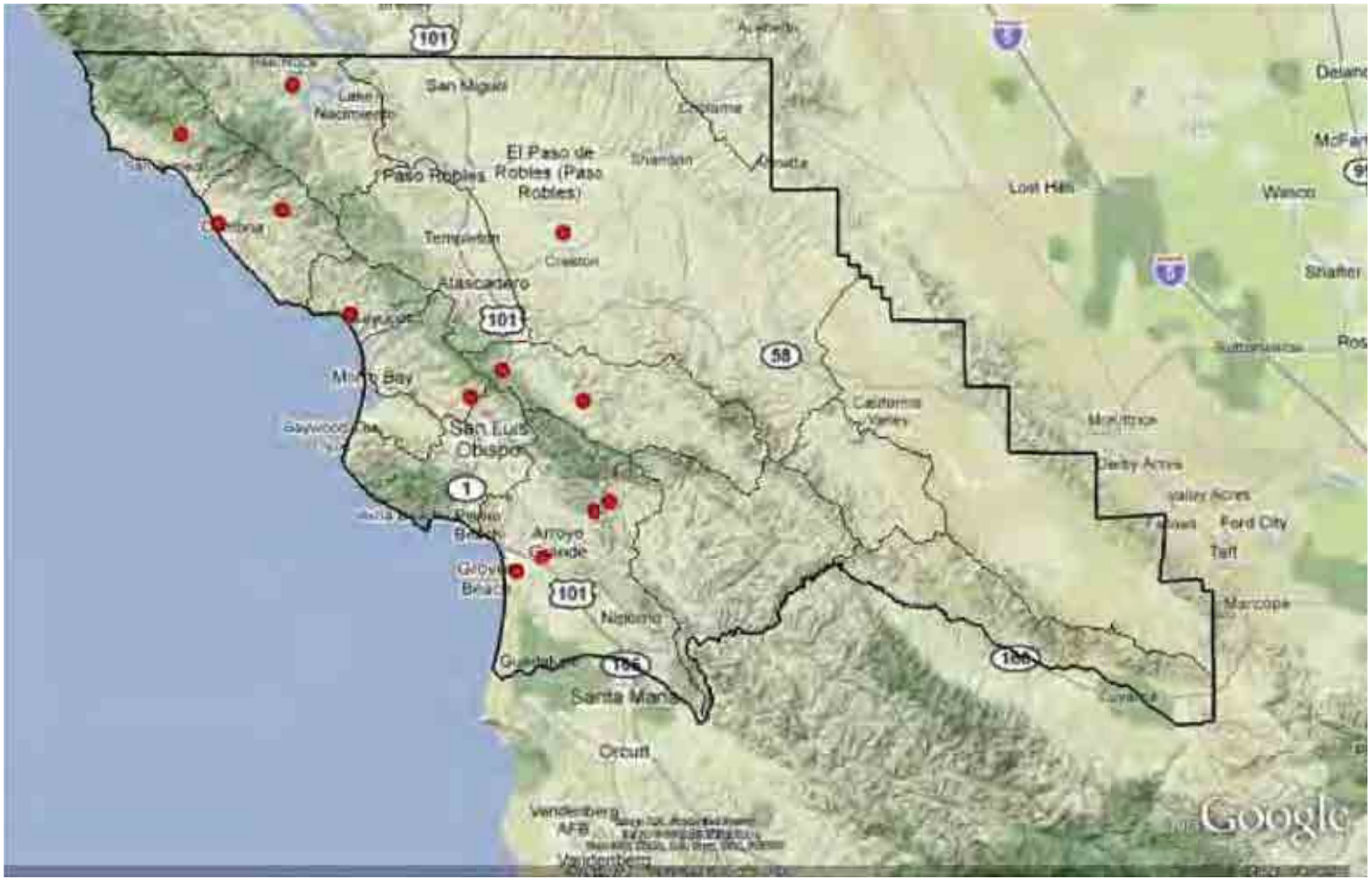

COUNTY RECORDING RAIN GAUGE DISTRIBUTION

FIGURE 3.8

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It is recommended that recording rain gauges be installed in the following areas:

- Avila Beach
- Baywood/Los Osos
- California Valley (rural area and community area)
- Cholame
- Grover Beach
- Halcyon
- Harmony
- Pismo Beach
- San Simeon
- Santa Margarita
- Shandon (rural area and community area)
- Templeton

Another three (3) standard rain gauges in Pismo Beach, and one each in Paso Robles, Atascadero, Los Osos and Nipomo are recommended to improve the density of information.

3.2.3.2 District Volunteer Precipitation Program

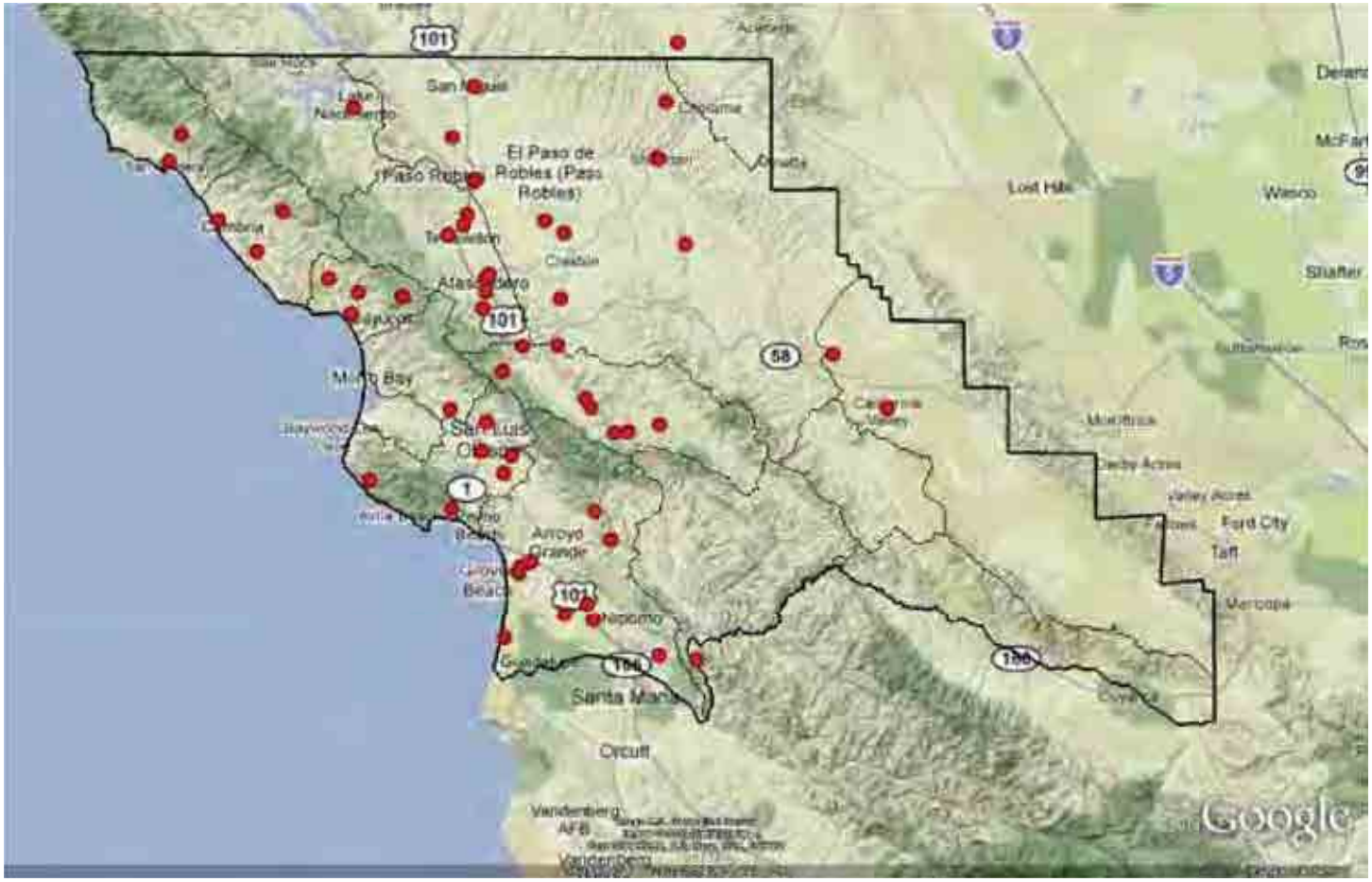
Precipitation data from approximately 50 stations throughout San Luis Obispo County are collected by the County Public Works Department. These records are usually in the form of daily entries of the precipitation occurring during the preceding 24-hour periods. These daily records are summarized in monthly totals.

Volunteer rain gauges are generally operated at-will, by regional residents, business owners, or local agencies. The volunteers independently collect precipitation data and provide it to the District or other agency on an annual basis.

There are a significant amount of volunteer rain gauges in the region, particularly in urban and suburban areas. As with the District recording rain program, the east portion of the region is particularly under represented (Figure 3.9).

3.2.3.3 District ALERT Rain Gauge Program

ALERT is an acronym for Automated Local Evaluation in Real Time, which is a method of using remote sensors in the field to transmit environmental data to a central computer in real time. This standard was developed in the 1970's by the National Weather Service and



COUNTY VOLUNTEER RAIN GAUGE DISTRIBUTION

FIGURE 3.9

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has been used by the National Weather Service, Army Corps of Engineers, Bureau of Reclamation, as well as numerous state and local agencies, and international organizations (footnote 1).

The District ALERT System was developed in cooperation with the National Oceanic and Atmospheric Administration (NOAA) which is a primary user of the information. The District ALERT System consists of one computer base station located at the County Courthouse and radio repeaters that receive and retransmit telemetry from remote sensors located at various locations throughout the County.

Data from these gauges serves to provide real-time information to flood forecasters and engineers during storm events. Due to the inconsistency of ALERT data transmissions, historic data for these gauges is typically unreliable and/or unavailable. For key sites (Figure 3.10), the District has converted some ALERT gauges to recording rain gauges that will provide accurate time-series precipitation data. Additional ALERT gauges would be beneficial in the extreme northwest corner of the County, the Hearst Castle area, the Cayucos area and the Templeton area.

3.2.3.4 California Irrigation Management Information System (CIMIS) Stations

In 1982, through a joint research and development effort between UC Davis and DWR a computerized weather station system was established as a more cost effective method for estimating crop water use. This program was given the name "California Irrigation Management Information System" or CIMIS. In 1985, the administration and implementation of the program, and its further development, were turned over to DWR.

The California Irrigation Management Information System (CIMIS) is a program of the Office of Water Use Efficiency, California Department of Water Resources (DWR) that manages a network of over 120 automated weather stations in the state of California. CIMIS was developed to assist irrigators in managing their water resources efficiently. Efficient use of water resources benefits Californians by saving water, energy, and money.

The CIMIS stations gather climatic data (precipitation, temperature, humidity, solar radiation, etc.), which is used to calculate the evapotranspiration (ET). ET is the loss of water to the atmosphere by the combined processes of evaporation (from soil and plant surfaces) and transpiration (from plant tissues). It is an indicator of how much irrigation water is needed (or used) for healthy growth and productivity.

CIMIS stations are maintained by local agencies that use standard equipment and maintenance procedures. The data seems to be reliable, particularly for hourly rainfall information during storms.

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[1] Descriptions of the ALERT system are based on information provided in the websites for Orange County and the World Meteorological Organization

DISTRICT REAL-TIME RAIN GAUGE NETWORK

FIGURE 3.10

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As shown on the Figure 3.11, there are four (4) CIMIS stations currently in operation throughout the region. Those stations are located in southeast Atascadero, west of Nipomo, 6.5 miles northwest of San Luis Obispo, and on the Cal Poly Campus. To help estimate agricultural water use in each climatic region and to supplement evaporation data collected at reservoirs and by weather stations, it is recommended that two additional evaporation pans (or weather stations) are established around Cambria (or further north) and east of Paso Robles.

3.2.3.5 National Oceanic and Atmospheric Administration / National Weather Service Cooperative Observer Network

The National Weather Service Cooperative Observer Program (COOP) was formally created in 1890 under the Organic Act. Its mission is to provide observational meteorological data (usually consisting of daily maximum and minimum temperatures, snowfall, and 24-hour precipitation totals) and to provide observational meteorological data in near real-time to support forecast, warning and other public service programs of the NWS.

More than 11,000 volunteers take observations on farms, in urban and suburban areas, National Parks, seashores, and mountaintops. A cooperative station is a site where observations are taken or other services rendered by volunteers or contractors. A cooperative station may be collocated with other types of observing stations such as standard observations stations, Flight Service Stations, etc.

This network was established to provide near real-time data. Unfortunately, the historic dataset for many of these gauges is not complete. It is recommended that data from these gauges not be used for water resources planning. It should be noted that this is a generalization regarding gauges in this network, primarily since these gauges are maintained by different sorts of volunteers and there does not appear to be consistent data maintenance or reporting.

There are twelve active COOP stations in the region, as shown in Figure 3.12. More information about the COOP can be found at: http://www.ncdc.noaa.gov/oa/ncdc.html and at: http://www.nws.noaa.gov/om/coop/.

3.2.3.6 Citizen Weather Observer Program (CWOP)

The Citizen Weather Observer Program (CWOP) allows users with computerized weather stations to send their information via a website to be included into the United States Mesonet. This data is then used by the Rapid Update Cycle (RUC) forecast model to produce short term forecasts (3 to 12 hours into the future) of conditions across the United States' lower 48 states.

REGIONAL CIMIS GAUGES

FIGURE 3.11

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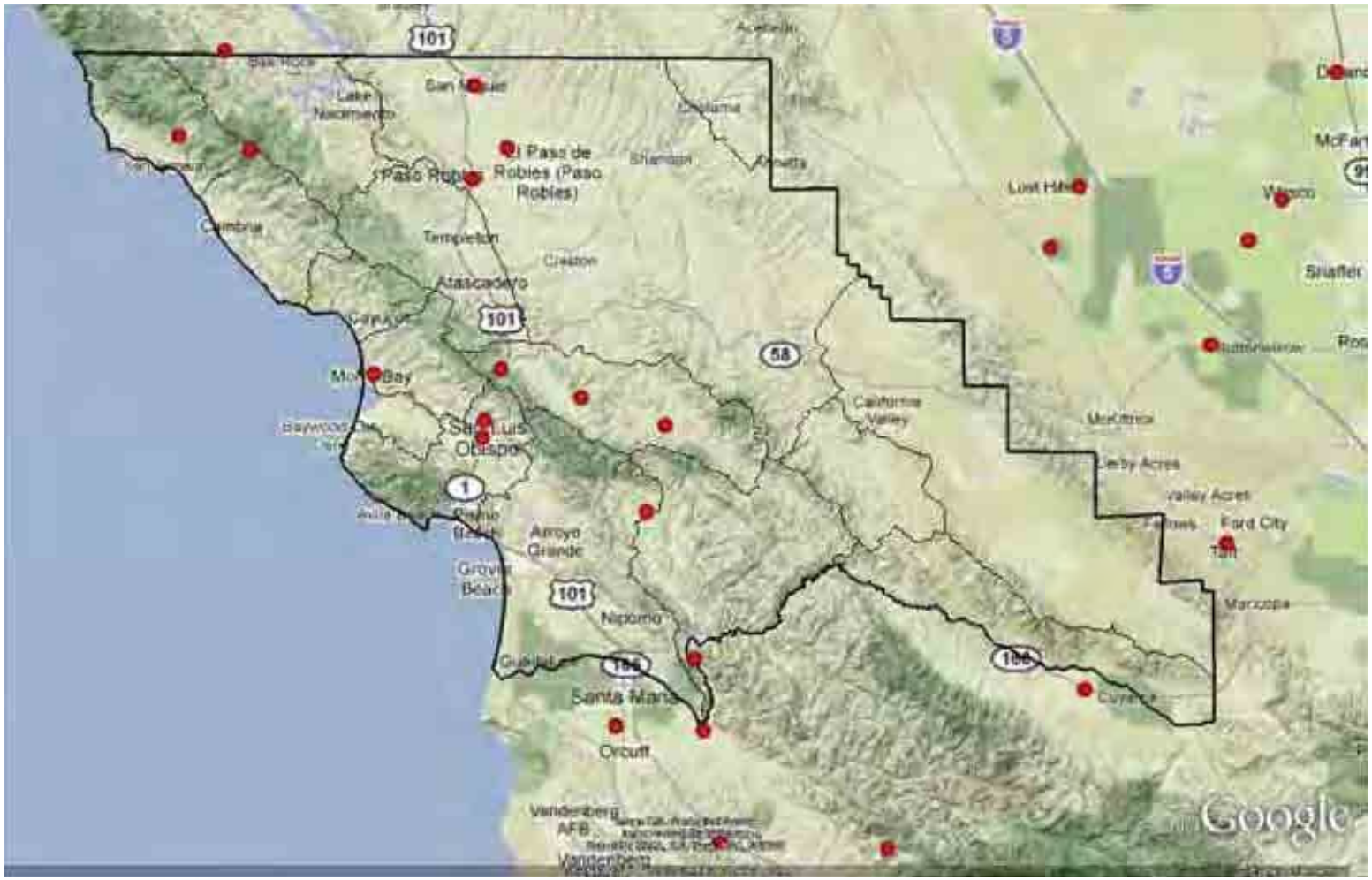

REGIONAL COOP STATIONS

FIGURE 3.12

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The CWOP is a private-public partnership with three main goals: 1) to collect weather data contributed by citizens; 2) to make these data available for weather services and homeland security; and 3) to provide feedback to the data contributors so that they have the tools to check and improve their data quality. In fact, the web address, www.wxqa.com, stands for weather quality assurance. There are over 6,000 registered CWOP members worldwide and roughly eight in the region.

CWOP is a group of ham radio operators and other private citizens around the country that have volunteered the use of their weather data for education, research and use by interested parties. The APRS-IS collects weather data transmitted from individual stations and communicates these data to the amateur radio findU server where the data are organized and made available to the MADIS Program at 15-minute intervals. The CWOP data also go to the MADIS Quality Control and Monitoring System (QCMS) which checks data quality using a variety of techniques. Based on these checks, data may be declared questionable. Occasional questionable data is normal. However, a high percentage of questionable data may indicate instrument or siting problems.

CWOP members send their weather data by internet alone and internet-wireless combination to the findU server and then every 15 minutes, the entire data set is sent from the findU server to the NOAA MADIS server. The data are checked for quality and then redistributed to users. There are over 500 different user organizations of mesonet data, including the National Weather Service (Figure 3.13).

For more information on the Citizen Weather Observer Program, go to: www.wxqa.com.

3.2.3.7 Remote Automated Weather Station (RAWS) Gauges

There are nearly 2,200 interagency Remote Automated Weather Stations (RAWS) strategically located throughout the United States. These stations monitor the weather and provide weather data that assists land management agencies with a variety of projects such as monitoring air quality, rating fire danger, and providing information for research applications.

Most of the stations owned by the wildland fire agencies are placed in locations where they can monitor fire danger. RAWS units collect, store, and forward data to a computer system at the National Interagency Fire Center (NIFC) in Boise, Idaho, via the Geostationary Operational Environmental Satellite (GOES). The GOES is operated by the National Oceanic and Atmospheric Administration (NOAA). These data are automatically forwarded to several other computer systems including the Weather Information Management System (WIMS) and the Western Regional Climate Center (WRCC) in Reno, Nevada.

Fire managers use these data to predict fire behavior and monitor fuels; resource managers use the data to monitor environmental conditions. Locations of RAWS stations can be searched online courtesy of the Western Regional Climate Center.

CITIZEN WEATHER OBSERVER PROGRAM GAUGES

FIGURE 3.13

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The United States Forest Service and National Park Service use RAWS gauges for vegetation mapping, fire fuel mapping, fire risk estimates and fire detection, post-fire severity mapping, insect-infestation mapping, and relative water stress monitoring (Figure 3.14).

3.2.3.8 NWS Automated Surface Observing System (ASOS) Stations

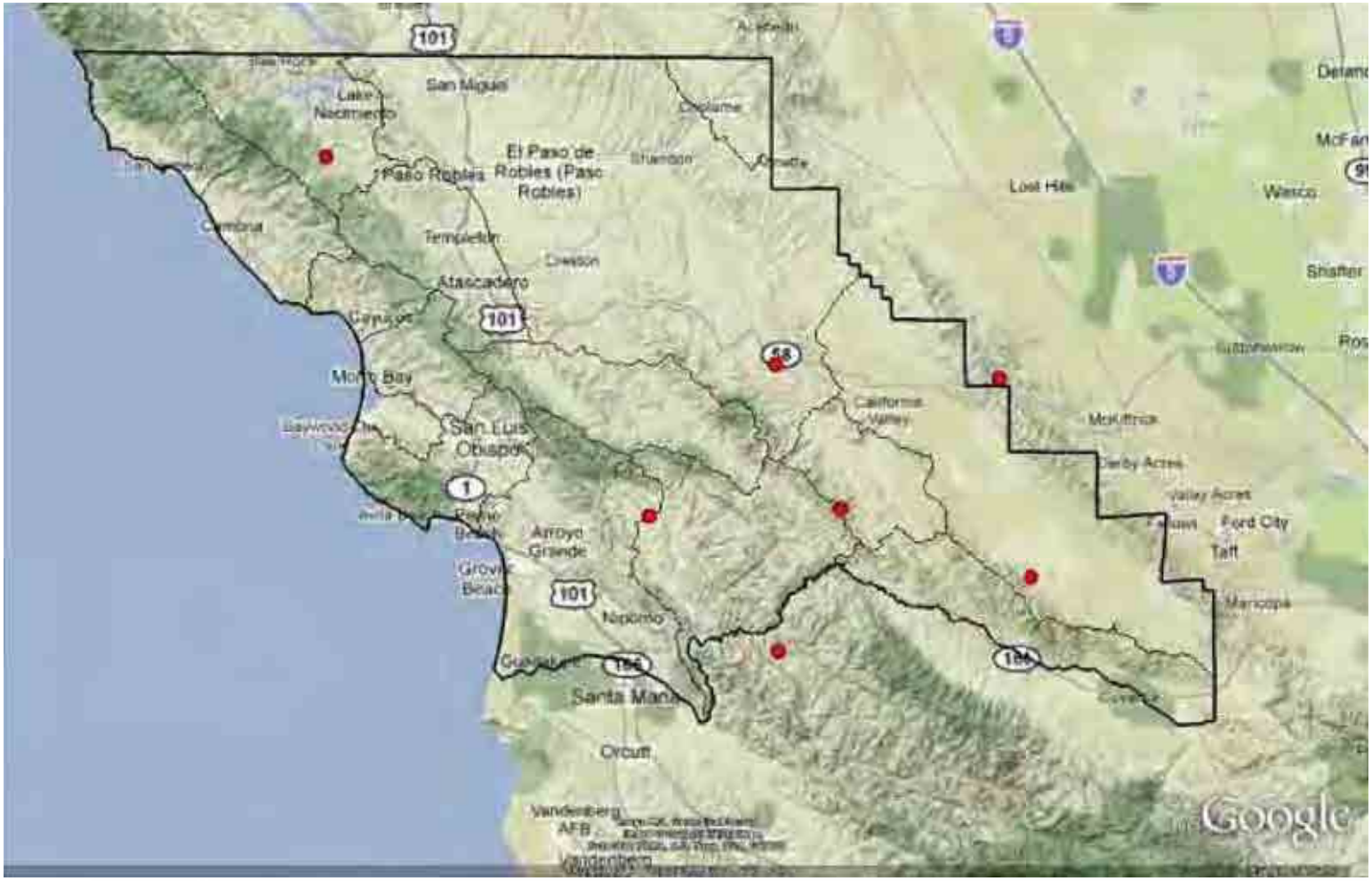
Federally funded, ASOS is a joint program of the National Weather Service, the Federal Aviation Administration, and the Department of Defense. The ASOS systems serve as the Nation's primary surface weather observing network. ASOS works non-stop, 24 hours a day, every day of the year. ASOS is installed at more than 900 airports across the country, where they make observations.

ASOS's constant stream of data benefits the forecast and research communities and promotes more accurate forecasts of all kinds.

ASOS reports the following basic weather elements:

- Sky conditions such as cloud height and cloud amount up to 12,000 feet,
- Surface visibility up to at least 10 statute miles,
- Basic present weather information such as the type and intensity for rain, snow, and freezing rain,
- Obstructions to vision like fog, haze, and/or dust,
- Sea-level pressure and altimeter settings,
- Air and dew point temperatures,
- Wind direction, speed and character (gusts, squalls),
- Precipitation accumulation, and
- Selected significant remarks including- variable cloud height, variable visibility, precipitation beginning/ending times, rapid pressure changes, pressure change tendency, wind shift, peak wind.

Besides serving aviation needs, ASOS serves as a primary climatological observing network in the United States, making up the first-order network of climate stations. Because of this, not every ASOS is located at an airport; for example, one of these units is located at Central Park in New York City and another is located on Cabbage Hill near Pendleton, Oregon, for the sole purpose of providing climatological observations.



REMOTE AUTOMATED WEATHER STATION (RAWS) GAUGES

FIGURE 3.14

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Regionally, there are three ASOS systems. These stations are located at the Paso Robles, San Luis Obispo, and Santa Maria airports, as shown on Figure 3.15. For more information on FAA ASOS Stations, go to: http://www.faa.gov/airports_airtraffic/weather/asos/?state=CA.

3.2.3.9 National Weather Service Precipitation Forecasts (QPF)

The generation of increasingly accurate quantitative precipitation forecasts (QPFs) has been identified as a top priority of the National Weather Service and United States Weather Research Program. The primary applications of QPFs are:

- Flood forecasting,
- Water resource management, and
- Prediction of significant snowfall.

In light of the devastating socioeconomic impacts of flash and river flooding and significant snowfall, QPFs have emerged as a critical facet of the end-to-end forecast process. Timely and accurate flood and winter storm forecasts are essential for the preservation of life and property. In an average year, the number of fatalities and property damage owing to flash and river flooding exceeds that for all weather-related natural phenomena. Although the death toll associated with heavy snow events is typically small, heavy snow can cripple transportation and often has a prolonged economic impact.

Improving QPF and its effect on flood forecasting and water resource management is being recognized as an immense challenge, and will require that the academic and research communities be engaged through the Collaborative Science, Technology, and Applied Research Program and the United States Weather Research Program. Progress in QPF, especially in flash-flood forecasting, will require better understanding of cloud microphysical processes and of land-surface-atmospheric interactions, improved measurements of atmospheric water vapor, better understanding of the dynamics of mesoscale convective systems, better parameterizations of cloud turbulent and microphysical processes, and further development of mesoscale numerical models.

In addition to the many scientific issues relating to QPF, there are also issues in provision of improved, real-time service to users, not the least of which involves the interaction of the important components of the modernized National Weather Service, including the National Centers for Environmental Prediction (NCEP), the Weather Forecast Offices (WFOs), and the River Forecast Centers (RFCs) that constitute an end-to-end forecast process. Several years ago, an operations concept was developed for the production and use of quantitative precipitation information in the modernized NWS. The next task is to develop a QPF implementation plan based on these concepts which accounts for the role of NCEP Service Centers, the WFOs and RFCs, and the implementation of Advanced Weather Interactive Processing System (AWIPS) (Figure 3.16).

FAA ASOS STATIONS

FIGURE 3.15

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LOCAL NATIONAL WEATHER SERVICE QPFS

FIGURE 3.16

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There are three National Weather Service QPF points in the region and one in the City of Santa Maria, as shown below. For more information on Local National Weather Service QPFs, go to: www.wrh.noaa.gov/lox/main.php?suite=hydrologyandpage=observations.

3.2.4 Reservoirs

3.2.4.1 Local Reservoir Operations

Daily surface water levels are measured for most major reservoirs in the region as part of daily reservoir operations. The County maintains reservoir operational records for two reservoirs – Lopez and Salinas. Other agencies collect and maintain reservoir operation data for the other major reservoirs, shown on Figure 3.17.

Data for each reservoir is available from the agency that operates the reservoir. As part of regular reservoir operations, daily lake elevation values are recorded at the following reservoirs:

- Chorro
- Lopez (includes Terminal Reservoir)
- Nacimiento
- Salinas
- Whale Rock
- Twitchell

Daily stage and storage values for these reservoirs are reported to the District on a daily basis.

3.2.5 Water Quality

Numerous federal, state, and local agencies and organizations have conducted water quality monitoring in the region over the past several decades. Non-profit organizations and other agencies in San Luis Obispo County are currently monitoring water quality in the County and the Central Coast region. These groups have relatively well-developed programs. Continued monitoring at the County level will provide a better overall picture of water quality in the County and will make the most efficient use of County resources[2]. Some regional water quality monitoring efforts are described below.

3.2.5.1 Sampling Surface Water

3.2.5.1.1 *Public Water Systems Monitoring*

Operators of public water systems (any system that serves drinking water to at least 24 persons for at least 60 days out of the year, or who serves domestic water to 15 or more service connections, is a public water system and must have a domestic water supply permit) conduct routine monitoring to ensure that the water they produce complies with Safe Drinking Water Act standards. Results are reported to the State of California

[2] San Luis Obispo County Stormwater Management Plan, June 2006.

RESERVOIR LOCATIONS

FIGURE 3.17

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Department of Public Health (CDPH). Monitoring broadly encompasses several categories of constituents: microorganisms, disinfectants, disinfection byproducts, inorganic chemicals, organic chemicals, and radionuclides.

Sampling is conducted at treatment plants, within distribution systems, and at the tap, and monitoring results are evaluated to ensure that applicable drinking water quality standards are met. For regulated constituents, results are compared to Primary and Secondary MCLs, and unregulated contaminants are evaluated against CDPH Detection Limits for Purposes of Reporting (e.g., color, corrosivity, and odor).

Small water systems[3] are also required to conduct routine monitoring and report to the Environmental Health Services Division of the San Luis Obispo County Public Health Department.

3.2.5.1.2 *Surface Water Ambient Monitoring Program (SWAMP)*

The Surface Water Ambient Monitoring Program (SWAMP) is intended to integrate existing water quality monitoring activities of the State Water Resources Control Board and the Regional Water Quality Control Boards, and to coordinate with other monitoring programs.

Ambient monitoring refers to any activity in which information about the status of the physical, chemical, and biological characteristics of the environment is collected to answer specific questions about the status and trends in those characteristics. For the purposes of SWAMP, ambient monitoring refers to these activities as they relate to the characteristics of water quality. Only a small portion of SWAMP can be implemented at its current funding level. As a result, resources are focused where monitoring information is most needed to support regional program priorities, such as maintaining high quality waters, such as Lake Tahoe, or supporting the restoration of priority watersheds.

SWAMP is a statewide monitoring effort designed to assess the conditions of surface waters throughout the state of California. The program is administered by the State Water Resources Control Board. Responsibility for implementation of monitoring activities resides with the nine Regional Water Quality Control Boards that have jurisdiction over their specific geographical areas of the state. Monitoring is conducted in SWAMP through the Department of Fish and Game and U.S. Geological Survey master contracts and local Regional Boards monitoring contracts.

SWAMP is also intended to capture monitoring information collected under other State and Regional Board Programs such as the State's TMDL (Total Maximum Daily Load), Nonpoint Source, and Watershed Project Support programs. SWAMP does not conduct effluent or

[3] Systems having between 15 - 199 service connections and regularly serving 25 or more individuals daily at least 60 days out of the year, or systems that have 5-14 service connections and not regularly serving more than an average of 25 individuals daily for more than 60 days out of the year

discharge monitoring, which is covered under National Pollutant Discharge Elimination System permits and Waste Discharge Requirements.

Data from sites that are a part of the SWAMP can be obtained online at: http://bdat.ca.gov.

3.2.5.1.3 *303(d) Clean Water Act*

Under section 303(d) of the Clean Water Act, states, territories, and authorized tribes are required to develop lists of impaired waters. These are waters that are too polluted or otherwise degraded to meet the water quality standards set by states, territories, or authorized tribes. The law requires that these jurisdictions establish priority rankings for waters on the lists and develop total maximum daily loads (TMDLs) for these waters. A TMDL is a calculation of the maximum amount of a pollutant that a waterbody can receive and still safely meet water quality standards.

3.2.5.1.4 *National Pollutant Discharge Elimination System Compliance Monitoring*

As authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. Point sources are discrete conveyances such as pipes or man-made ditches. Industrial, municipal and other facilities must obtain permits if their discharges go directly to surface waters.

EPA conducts inspections of facilities subject to the regulations to determine compliance. EPA inspections involve:

- Reviewing discharge monitoring reports
- Interviewing facility personnel knowledgeable of the facility
- Inspecting the processes that generate and treat wastewater
- Sampling wastewater discharges to navigable waterways and other points in the generation or treatment process
- Reviewing how samples are collected and analyzed by the laboratory

3.2.5.2 Streams, Lakes & Reservoirs

3.2.5.2.1 *Central Coast Ambient Monitoring Program (CCAMP)*

The Central Coast Regional Water Quality Control Board (Regional Board) is responsible for maintaining and enhancing water quality throughout central coastal California, including 370 miles of coastline in San Mateo, Santa Cruz, Monterey, San Luis Obispo, and Santa Barbara counties. In 1998, the Regional Board initiated the Central Coast Ambient Monitoring Program (CCAMP), with a broad mandate to gather water quality data in groundwater, rivers, streams, estuaries, and the ocean, throughout the Regional Board's jurisdiction. It is the Regional Board’s goal to "collect, assess, and disseminate water quality information to aid decision-makers and the public in maintaining, restoring, and enhancing

water quality and associated beneficial uses". Currently there are 23 river/stream sites in the region, as shown in Figure 3.18. Flow data is also collected at some but not all of these sites when the water quality samples are collected. These are not permanent stream flow gauges. Some monitoring within the Morro Bay watershed is also completed by the Morro Bay National Estuary Program (MBNEP). MBNEP data is compatible with CCAMP data management systems.

3.2.5.2.2 *SLO County Water Quality Lab*

Water sampling and analysis for District-provided water supplies are performed by the San Luis Obispo County Water Quality Laboratory. This lab is certified by the DHS as an environmental testing laboratory for bacteriological and chemical analyses. The lab performs analyses on water and wastewater for all County Special Districts, including:

- Cayucos
- County Airport
- Lopez Recreation Area
- Lopez WTP
- Nipomo
- Oak Shores
- Operations Center
- Salinas Project
- SLO Country Club
- Santa Margarita
- Shandon
- State Water

3.2.5.2.3 *Waste Discharge Compliance Monitoring*

Under Federal Clean Water Act Section 401, every applicant for a federal permit or license for any activity that may result in a discharge to a water body must obtain state water quality certification that the proposed activity will comply with state water quality standards.

The Regional Board regulates point source discharge of wastewater to land and surface waters of the region so that the highest quality and beneficial uses of these waters are protected and enhanced. Regulation is by issuance of either Waste Discharge Requirements (WDRs) or National Pollutant Discharge Elimination System (NPDES) permits. Both WDRs and NPDES permits contain monitoring requirements to verify compliance with applicable conditions. These requirements vary according to those specific conditions.

All persons or agencies discharging (or proposing to discharge) pollutants from a point source into any waters of the state are required to apply for and have a permit under the NPDES program and/or WDRs (issued by the Regional Board) to discharge. Typically publicly owned treatment works are regulated, through NPDES permits and/or WDRs, to monitor water quality for all points of water discharge.

CENTRAL COAST AMBIENT MONITORING PROGRAM

FIGURE 3.18

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Key permit conditions applicable to all NPDES permits or WDRs include those for monitoring. These conditions apply to both stormwater and non-stormwater discharges. Although the state, local authority, or EPA's general permits can impose additional requirements, the permit holder must typically monitor discharges within the following parameters:

- Flow
- Pollutants listed in the terms of the permit conditions
- Pollutants that could have a significant impact on the quality of the receiving streams
- Pollutants specified as subject to monitoring by EPA regulations
- Other pollutants for which the EPA requests monitoring in writing

Each of these monitoring parameters must be measured at the frequency specified in the NPDES permit, WDR, or at intervals sufficiently frequent to yield data that would characterize the nature of the discharge. Examples of cities and agencies that are currently operating wastewater collection, treatment and disposal systems under a NPDES permit include:

- City of Paso Robles
- City of Atascadero
- Atascadero State Hospital
- Templeton CSD
- San Miguel CSD
- South San Luis Obispo County Sanitation District
- City of Pismo Beach

3.2.5.3 Estuaries and Wetlands

Current monitoring in estuaries and wetlands is summarized below. Note that there is significant estuarine monitoring that is conducted by other federal agencies, state and local agencies, and the academic community that may not be discussed here.

3.2.5.3.1 *San Luis Obispo Science and Ecosystem Alliance (SLOSEA)*

As mentioned above, SLOSEA monitors water quality in the Morro Bay Estuary at the following sites and hopes to map spatial and temporal changes in the physical and chemical characteristics of water quality in the Morro Bay ecosystem.

Conductivity (and salinity), temperature, dissolved oxygen, oxygen saturation, fluorescence (a proxy for chlorophyll-a), turbidity, nitrate, current/current profile, and depth of water are

measured at these sites (Figure 3.19). More information on the sites maintained by SLOSEA can be found here: http://www.slosea.org.

3.2.5.3.2 *EPA's National Coastal Assessment*

The US EPA's National Coastal Assessment surveys the condition of the Nation's coastal resources by creating an integrated, comprehensive monitoring program among the coastal states.

To answer broad-scale questions on environmental conditions, EMAP and its partners have collected estuarine and coastal data from thousands of stations along the coasts of the continental United States. EMAP's National Coastal Assessment comprises all the estuarine and coastal sampling done by EMAP beginning in 1990. This includes the sampling done in the biogeographic provinces as well as data from the Regional EMAP (REMAP) studies done by EPA Regional Offices. Locally there are five stations in the region, see Figure 3.20, several of which are off-shore, coastal sampling sites. This data can be retrieved and stations mapped online at: http://oaspub.epa.gov/coastal/coast.search.

3.2.5.4 Oceans and Beaches

3.2.5.4.1 *California Clean Beaches Program*

The Beaches Environmental Assessment and Coastal Health (BEACH) Act of 2000 requires that coastal and Great Lakes states and territories report to United States Environmental Protection Agency (US EPA) on beach monitoring and notification data for their coast recreation waters. The BEACH Act defines coastal recreation waters as the Great Lakes and coastal waters (including coastal estuaries) that states, territories, and authorized tribes officially recognize or designate for swimming, bathing, surfing, or similar activities in the water.

The BEACH Program focuses on the following five areas to meet the goals of improving public health and environmental protection for beach goers and providing the public with information about the quality of their beach water:

- Strengthening beach standards and testing
- Providing faster laboratory test methods
- Predicting pollution
- Investing in health and methods research
- Informing the public

SLOSEA SITES

FIGURE 3.19

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EPA'S NATIONAL COASTAL ASSESSMENT

FIGURE 3.20

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The County's Environmental Health Services Division monitors beach water quality for recreational use through a California State grant between April 1 and October 31 of each year. Monitoring includes ocean water samples collected from the County's most visited beaches on a weekly basis. Shoreline samples are analyzed for bacterial indicators.

Locally, the County's Environmental Health Services Division conducts the public health beach monitoring and regulatory program. In 2010, nineteen (19) locations were analyzed for three indicator bacteria: enterococcus, total coliform, and fecal coliform. Beaches monitored included (Figure 3.21):

- Pismo State Beach, Oceano
- Pismo Beach
- Shell Beach
- Avila Beach
- Olde Port Beach
- Hazard Canyon
- Morro Bay City Beach
- Cayucos Beach
- Pico Ave., San Simeon

3.2.5.4.2 *National Data Buoy Center*

The National Oceanic and Atmospheric Administration (NOAA) National Data Buoy Center (NDBC), a part of the National Weather Service, designs, develops, operates, and maintains a network of data collecting buoys and coastal stations.

The major marine observing systems that form the US national marine observations backbone are:

- NOAA's National Weather Service's NDBC Ocean Observing System (NWS NOOS),
- NOAA's National Ocean Service's (NOS) National Water Level Observation Network (NWLON) and their Physical Oceanographic Real-Time System (PORTS)
- NOAA's Tropical Moored Buoy (TMB) projects
- NOAA's OAR drifting buoy programs.

COUNTY PUBLIC HEALTH BEACH MONITORING 2010

FIGURE 3.21

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NWS forecasters need frequent, high-quality marine observations to examine conditions for forecast preparation and to verify their forecasts after they are produced. Other users rely on the observations and forecasts for commercial and recreational activities. NDBC provides hourly observations from a network of about 90 buoys and 60 Coastal Marine Automated Network (C-MAN) stations to help meet these needs. All stations measure wind speed, direction, and gust; barometric pressure; and air temperature. In addition, all buoy stations, and some C-MAN stations, measure sea surface temperature and wave height and period. Conductivity and water current are measured at selected stations.

There are a few stations in the region, as shown on Figure 3.22. More information on stations that are a part of the National Data Buoy Center can be found at: http://www.ndbc.noaa.gov.

3.2.5.5 Sampling Groundwater

Groundwater is often sampled to determine the chemistry of the groundwater for purposes of utilizing the water for human consumption. Public water supply systems are subject to regulation by the California Department of Public Health, which specifies minimum guidelines for sampling frequency and sampling procedures that must be followed by any water system operator.

3.2.5.5.1 *United States Geological Survey (USGS)*

The USGS has conducted water quality sampling at more than 150 sites in the County since the 1920s. (Figure 3.23) Analytical parameters vary, but can include physical measures (e.g., pH and temperature) nutrients, major inorganics (e.g., chloride, potassium, and sulfate), and minor inorganics (e.g., boron and manganese). The USGS also conducts research and special studies to further the development of scientific knowledge and its application to real world management problems.

3.2.5.5.2 *Waste Discharge Compliance Monitoring*

The Regional Board regulates discharges of wastewater to groundwater or surface water so that the highest quality and beneficial uses of these waters are protected and enhanced. Regulation is by issuance of either Waste Discharge Requirements (WDR) or NPDES permit. WDRs contain monitoring requirements to verify compliance with applicable conditions. These requirements vary according to those specific conditions.

WDR permit requirements often include groundwater monitoring. For example, the Regional Board has established monitoring programs for recycled water and wastewater operations that discharge to groundwater. Dischargers must periodically collect and analyze groundwater quality samples from wells representative of the receiving groundwater.

NATIONAL DATA BUOY CENTER

FIGURE 3.22

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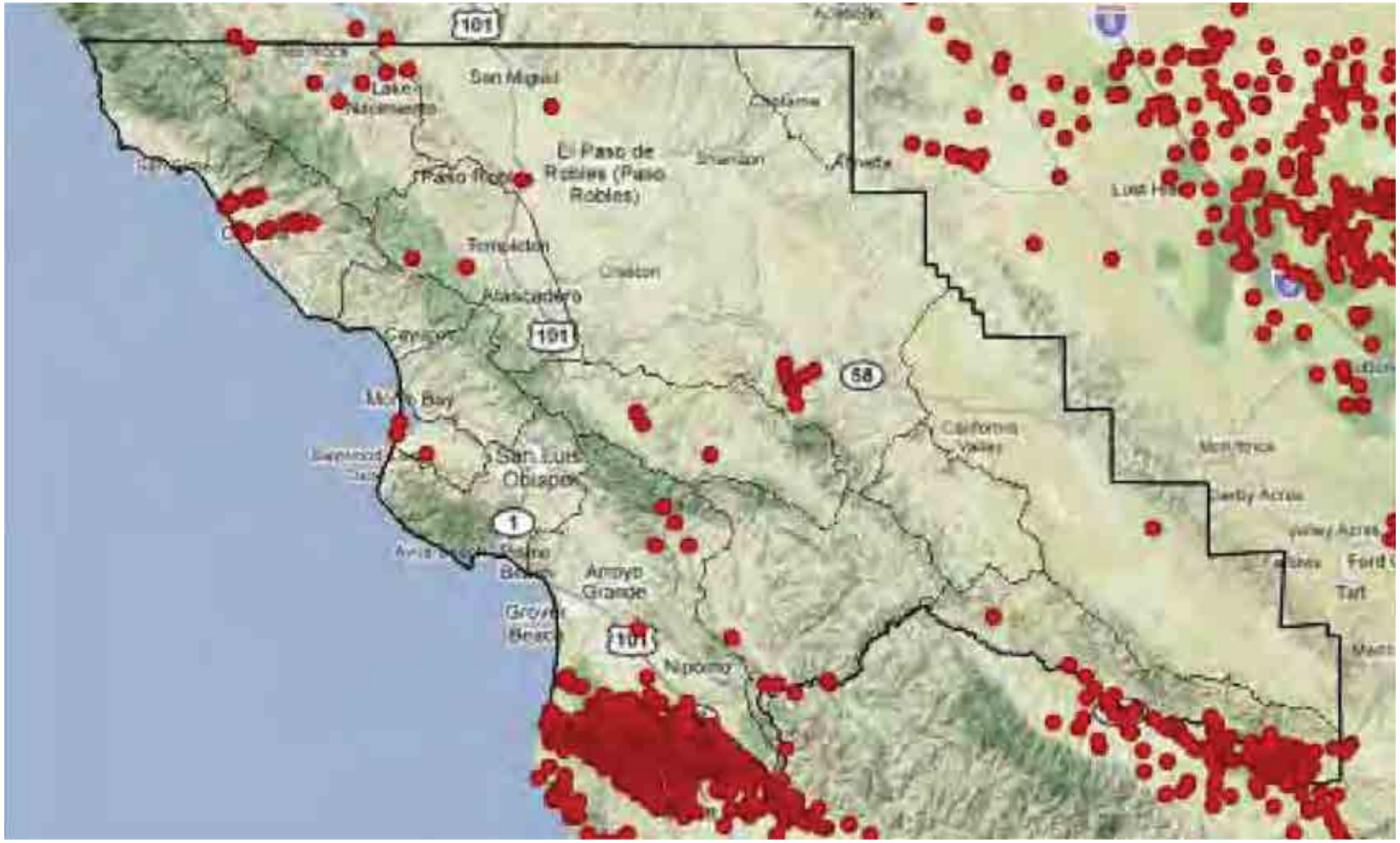

HISTORIC UNITED STATES GEOLOGICAL SURVEY (USGS) WATER QUALITY MONITORING SITES

FIGURE 3.23

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For a list of adopted orders, permits, resolutions, and settlements issued by the Central Coast Regional Water Quality Control Board, go to:
http://www.waterboards.ca.gov/centralcoast/board_decisions/adopted_orders/

3.2.5.5.3 *State Water Resources Control Board Ground-Water Ambient Monitoring and Assessment Program (GAMA)*

The Ground-Water Ambient Monitoring and Assessment Program (GAMA) program is a comprehensive assessment of statewide groundwater quality. The program is designed to help better understand and identify risks to groundwater resources. Ground water will be sampled at many locations across California in order to characterize its constituents and identify trends in groundwater quality. The results of these tests will provide information for water agencies to address a variety of issues ranging in scale from local water supply to statewide resource management.

The GAMA program was developed in response to the Ground-Water Quality Monitoring Act of 2001 (Sections 10780-10782.3 of the Water Code): a public mandate to assess and monitor the quality of groundwater used as public supply for municipalities in California. The goal of the act was to improve statewide groundwater monitoring and facilitate the availability of information about groundwater quality to the public. The State Water Resources Control Board is implementing the GAMA Program in coordination with the U.S. Geological Survey and Lawrence Livermore National Laboratory.

3.2.5.5.4 *Coastal Sentry Well Monitoring*

Management areas and communities along the coast monitor for seawater intrusion. For example, the Northern Cities Management Area (NCMA) conducts quarterly monitoring of four coastal “sentry wells”, along with an Oceano observation well, all of which are shown in Figure 3.24. Each well location includes a “cluster” of individual well completions at various depths. Quarterly monitoring includes level measurement, as well as sampling and analysis for water quality. The monitoring results are presented in the NCMA Annual Report, which is filed with the Court. The coastal sentry wells monitored by the NCMA were renovated in 2010 to raise the surface completions above grade and secure them within locking enclosures. In early 2011, the NCMA agencies installed combination pressure transducers and conductivity probes in four of the sentry wells: 32S/12E-24B1; 32S/12E-24B2; 32S/13E-30F03; and 32S/13E-30N02. These probes allow the NCMA agencies to observe short duration variations in groundwater levels and quality to better characterize short and long-term trends as they relate to variables such as tidal variation, precipitation patterns and urban pumping.

NCMA COASTAL SENTRY WELLS

FIGURE 3.24

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3.2.5.5.5 *Other Groundwater Management Efforts*

Various groundwater management efforts in the County also include groundwater quality sampling. These include efforts in basins under adjudication that are required to monitor and report annually and/or develop Groundwater Management Plans, where a Groundwater Management Plan is voluntarily being developed, where an entity is implementing a project with monitoring requirements, where individual entities or groups are developing Salt and Nutrient Management Plans in accordance with the State Water Board's Basin Plan, where seawater intrusion is of concern to agencies that rely on coastal groundwater basins for their water supply, and where individual property owners check the quality of their drinking and/or irrigation water supply. The availability of the information varies with each effort, making it challenging to fully understand the condition of all groundwater basins. Sharing of this data with governmental agencies or regional groups conducting groundwater basin studies and, when appropriate, the public at-large, should be encouraged.

3.2.6 Unimpaired Runoff

As part of the Environmental Water Demand analysis, annual unimpaired (i.e., unregulated by impoundments or dams and not substantially effected by the diversion or pumping of water) flow statistics (e.g., mean, median, FMF) were calculated for select locations throughout San Luis Obispo County. The record/flow statistic(s) at long-term gaging stations were used to extend the record/flow statistic(s) of short-term gaging stations, and these in turn were used to estimate the flow statistic(s) at ungaged locations.

The environmental water demands were quantified for areas where data were available and unimpaired runoff data could be obtained, calculated, or estimated. Unimpaired runoff estimates were calculated by developing regional, multiple regression relationships that predict runoff at an ungaged, or partially gaged, location as a function of runoff at a gaged location. Once the estimated unimpaired runoff has been established, the environmental water demand was calculated by using the median annual discharge methodology (Hatfield and Bruce, 2000).

The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of unimpaired data and regional physiographic differences. The District should consider installing stream gages in these WPAs to collect flow statistics, which would aid in determining environmental water demands for the eastern portion of the County.

The DWR has identified over 1,000 water rights applications and permits for San Luis Obispo County (DWR 2009b). For purposes of this analysis, the unimpaired mean annual discharge and environmental water demand is presented without including an analysis of the 1,000 diversion rights in the County. However, some of the established instream flow requirements are included. In order to obtain a better understanding of how much surface

water is available for aquatic life, the District would need to identify and quantify all diversion rights and instream flow requirements in the watershed.

3.2.7 Land Use

3.2.7.1 Urban Land Uses

Urban land uses refer to the unincorporated communities and incorporated cities in the County, and include residential, commercial, industrial, parks, institutions, and golf courses. Primary sources of water demand data for urban centers came from water system master plans (WSMP) and urban water management plans (UWMP) prepared by water purveyors, incorporated cities, and unincorporated communities. Additionally, the County's Annual Resource Summary Report 2008 (ARS) provides projected water demand and population data for these areas.

Since existing water demands and future water demand projections are based on information from WSMPs and UWMPs, land use information was not used to calculate water demand. The urban water demand for individual areas in the County was associated with a GIS layer that included the existing and future urban demand for each unincorporated community and incorporated city.

More information on the summary of urban water demands is provided later in this chapter.

3.2.7.2 Rural Land Uses

Rural water demands for unincorporated areas of the County that are outside population centers discussed above were calculated using the County's Land Use ArcGIS® layer, which includes land use and potential dwelling units (DUs) per acre for all unincorporated areas of the County. Vacant and developed properties and potential subdivisions and units in the unincorporated areas of the County were used to calculate a rural water demand. Additional sources include information from purveyors, water management plans, and the County's ARS.

See Appendix D for a description on the methods that the County used to prepare the land use data and for a detailed discussion of how the study utilized the County Land Use ArcGIS® database. For the rural demand analysis, all areas in the County that were accounted for with urban or agricultural water demand were excluded. However, rural home sites on agricultural lands were included in the rural land use demand analysis. Existing and projected future nurseries and vineyards present in the Land Use ArcGIS® layer were merged into the agriculture ArcGIS® layer and included in the agricultural demand analysis.

More information on the approach to calculating rural water demands is provided later in this chapter.

3.2.7.3 Agricultural Land Uses

The Agriculture/Crop GIS layer for the County from August 2008 was used, as well as other information provided by the Agricultural Commissioner's office. This land use layer is updated yearly with information from the pesticide use permits obtained through the San Luis Obispo County Department of Agriculture. The pesticide use permits provide the most accurate information available regarding the location of planned commercial agricultural production during the year, but in some instances may not be entirely accurate. Occasionally sites that obtain permits are not planted for a variety of reasons, and many vegetable crop sites may be planted with more than one crop rotation during a year (Isensee, 2009). The project team estimated agricultural production based on available information. The records do capture most organic operations usage. Use of water for ranching and pasture irrigation, among other uses not captured in pesticide permits, are not included. In Water Planning Areas where the majority of land is used for these purposes, the agricultural water demand may be significantly underestimated. Analysis of diversion rights records would help to address this issue in future updates to the Master Water Report.

The agricultural crop GIS data was used to determine crop acreages throughout the County. Additional information from the Agricultural Commissioner's office, UC Farm Advisors, and Cachuma Resource Conservation District (CRCD) Irrigation Specialist was utilized to estimate existing and future agricultural water demand. More information on the approach to calculating agricultural water demands is provided later in this chapter.

3.2.8 Population

Population information was taken from WSMPs, UWMPs, and the County's *Annual Resource Summary* Report.

3.2.9 Water System Production and Consumption

3.2.9.1 Water Quantity/Quality

A thorough understanding of the quantity of water required for various uses is critical for developing sustained use of the region's water resources. Sufficient quantities of fresh water are necessary, not only for economic development, agriculture, and recreation, but also for supporting ecosystems. Many programs in government agencies and other organizations use water quantity data and information.

Improving water quantity data and characterization, strengthening cooperation between water management programs, and preparing now for future water quantity concerns have been identified as key issues that require water quantity data.

Water quantity is also linked to water quality with regards to issues such as pollutant concentration levels, wastewater discharge requirements, and anthropogenic impacts associated with rainfall/recharge events. Environmental and climatic conditions play a major

role in the demands for and the availability of water supplies. Effective decision making relies on water quantity data and information from both naturally occurring events and human activities. Tracking data and information on droughts, floods, storm water runoff, instream flows, ground water recharge, water withdrawals, development related storm drainage, and water diversions is critical. Managing the region's water resources for sustained use cannot be successful without the knowledge and understanding of the hydrologic cycle, the myriad of demands on the resource and fluctuation in ground and surface water supplies.

3.2.9.2 Water Use Data

Water use is not monitored by a regional authority. It is the responsibility of each water provider to monitor their customers' water use. Fortunately, most water providers in the region meter their customers' water use and, therefore, have information on their customers' water use. Annually, water use data is requested by the County from these water providers.

Water users that own or use private wells and individuals that live outside of established city limits are typically not required to monitor or report their water use to any agency. One of the largest groups of water users that do not have their water use monitored are agricultural water users, who use a relatively large amount of water. Similarly, insufficient data for rural residential properties is a limitation in this study, but rural demands account for less than five percent of the total county demand.

Recommendations adopted by the County Board of Supervisors in the 2009 Annual Resource Summary Report, listed below, serve to address this issue, which will improve data availability for use in future updates to the Master Water Report.

- Installation of flow meters on all new non-agricultural wells, record water use and other information monthly and report semi annually
- Require all water purveyors (including mutual water companies) with over 10 connections to record water use and other information monthly and report semi-annually
- Encourage voluntary well metering, monitoring and reporting

3.2.10 Agriculture

Since agricultural water predominately comes from groundwater sources, and is generally not provided – or metered – by a water supply system, a representative percentage of agricultural water users could meter and report their water use. Ideally, all meter readings would be recorded every month and reported to a central agency on an annual basis. Water use information provided to the State Water Board by landowners is also useful for water resources planning efforts.

3.2.10.1.1 *Agriculture and Irrigation Water Uses*

The County should consider facilitating a voluntary pilot program that would track actual applied water per acre for various agricultural users throughout the County. The vineyard community in the North County is participating in a program led by the University of California, Davis, Cooperative Extension to estimate applied water per acre that may serve as a model for implementation throughout the County.

San Luis Obispo County
Master Water Report
Volume II of III

MAY 2012

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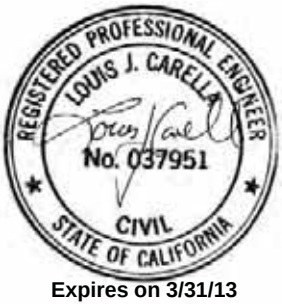
May 2012



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San Luis Obispo County Flood Control and Water Conservation District

SAN LUIS OBISPO COUNTY MASTER WATER REPORT

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APPENDIX B TM No. 2, Water Supply Inventory and Assessment – Description of Water Resources, prepared by Wallace Group in association with Fugro West Inc., and Cleath-Harris Geologists
APPENDIX C TM No. 3, Water Supply Inventory and Assessment – Water Supply, Demand, and Water Quality
APPENDIX D Memorandum, San Luis Obispo County Water Demand Analysis Methodology and Results, ESA, January 11, 2010

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PART II: WATER RESOURCE ANALYSIS

4.1 OBJECTIVES

The purpose of this chapter is to evaluate and compare the available water supplies (apart from the untreated ocean) to the water demands for the different water planning areas. This was accomplished by reviewing or developing the following:

- Current water supplies and demands based on available information
- Forecast water demands and water supplies available in the future under current land use policies and designations
- Criteria under which there is a shortfall when looking at supplies versus demands
- Criteria for analyzing potential water resource management strategies, projects, programs, or policies
- Potential water resource management strategies, projects, programs, or policies to resolve potential supply deficiencies

4.2 OVERVIEW OF GROUNDWATER RESOURCES

The information presented below was extracted from Technical Memorandum Number 2, Water Supply Inventory and Assessment-Description of Water Resources, prepared by Wallace Group in association with Fugro West, Inc. and Cleath-Harris Geologists. For more detailed discussions on this information, please refer to Appendix B. This overview focuses on groundwater resources throughout the County.

4.2.1 North Coast Sub-Region

The North Coast Sub-Region is comprised of five Water Planning Areas (WPAs), including San Simeon (WPA 1), Cambria (WPA 2), Cayucos (WPA 3), Morro Bay (WPA 4), and Los Osos (WPA 5) summarized in Table 4.1. A brief description of the basins within each WPA is provided below, with details on groundwater supply aquifers, groundwater users, basin yield, water quality, and water availability.

Groundwater levels in North Coast Sub-Region basins are generally highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. Shallow alluvial deposits for these basins are typically more susceptible to drought impacts than deeper formation aquifers, since they have less groundwater in storage. Significant lowering of basin groundwater levels at or below sea level near the coast can lead to seawater intrusion and degradation of water quality in both shallow and deep aquifer zones.

Table 4.1 North Coast Sub-Region Groundwater Basins			
WPA No.	**WPA Name**	**Groundwater Basin Name**	**Safe Basin Yield (AFY)**
1	San Simeon	San Carpoforo Valley	No estimate available
		Arroyo de la Cruz Valley	1,244
		Pico Creek Valley	120
2	Cambria	San Simeon Valley	1,040
		Santa Rosa Valley	2,260
		Villa Valley	1,000(1)
3	Cayucos	Cayucos Valley	600(1)
		Old Valley	No estimate available
		Toro Valley	532
4	Morro Bay	Morro Valley	1,500
		Chorro Valley	2,210
5	Los Osos	Los Osos Valley	3,200

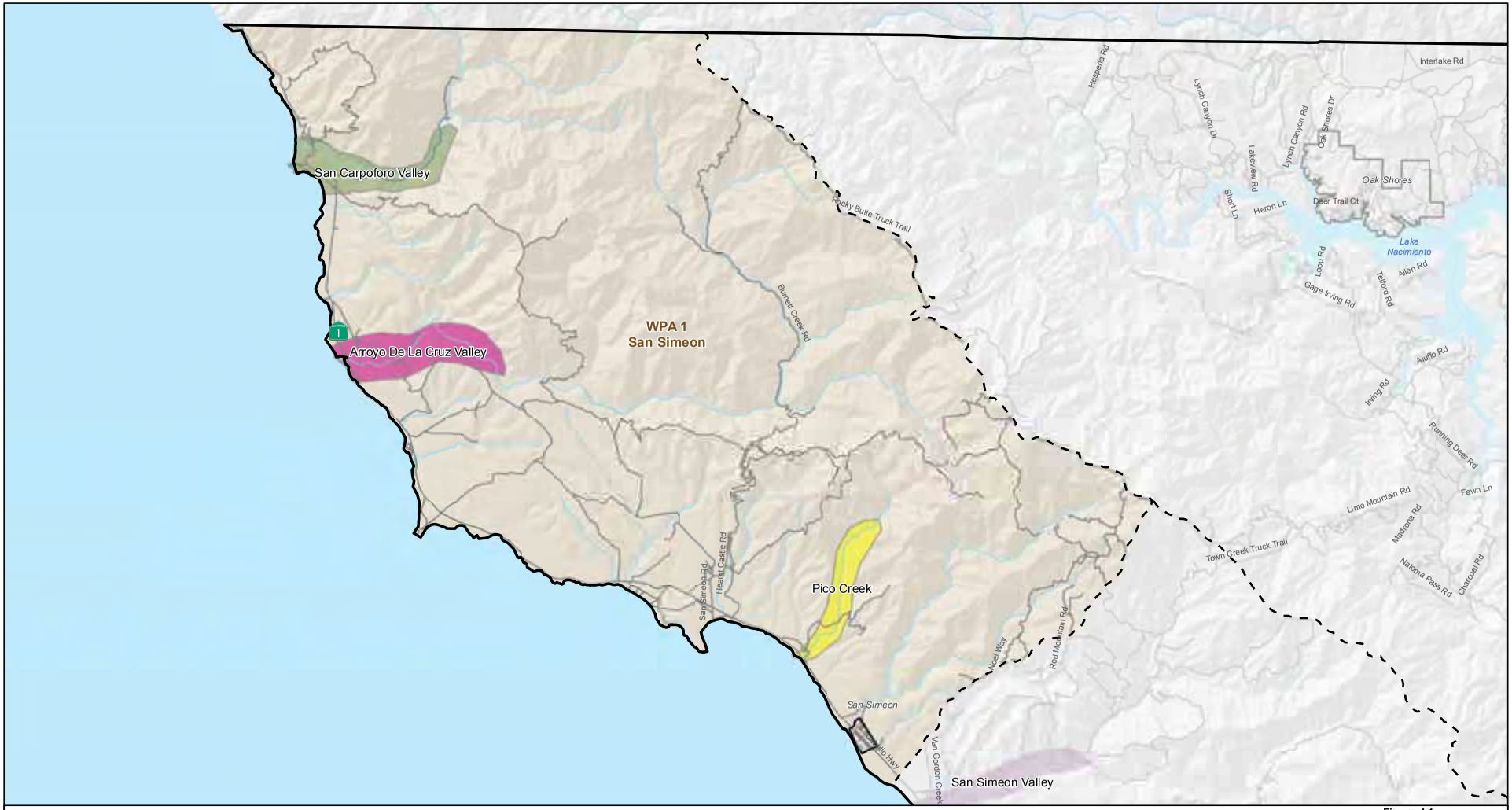
Notes:
1. 1958 Department of Water Resources estimate. There has been no subsequent basin study to confirm or update this estimate

4.2.1.1 San Simeon Water Planning Area (WPA) 1

Groundwater basin descriptions in WPA 1 include San Carpoforo Valley, Arroyo de la Cruz Valley, and Pico Creek Valley.

4.2.1.1.1 *San Carpoforo Valley Groundwater Basin*

The San Carpoforo Valley Groundwater Basin is located in WPA 1 of the North Coast sub-region (Figure 4.1) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-33 (DWR 2003). The basin underlies the San Carpoforo Valley, is 200 acres (0.3 square miles) in size, and is bounded by the Pacific Ocean and impermeable rocks. Recharge to the basin comes primarily from seepage of surface flows in San Carpoforo Creek and to a lesser extent percolation of precipitation and irrigation return flows. The groundwater storage capacity was estimated as 1,800 acre-feet (AF). There are no current estimates of actual groundwater in storage volumes. The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions.



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme
- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Streets
- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Water Planning Area 1
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
Water Planning Area
Groundwater Basin
URL/VRL
Water Facility
Hydrography

0 1 2 Miles

Figure 4.1
San Luis Obispo County
Water Planning Area 1
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users. There are no estimates of basin yield. No information is available describing water quality in the basin. The primary constraints on water availability in the basin include physical limitations and potential water quality issues.

As discussed above, groundwater levels in this basin are typically highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

4.2.1.1.2 *Arroyo De La Cruz Valley Groundwater Basin*

The Arroyo De La Cruz Valley Groundwater Basin is located in WPA 1 of the North Coast sub-region (Figure 4.1) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-34 (DWR 2003). The basin is 750 acres (1.2 square miles) in size and is bounded by the Pacific Ocean and impermeable rocks. Recharge to the basin comes primarily from percolation of surface flows in Arroyo de la Cruz, deep percolation of precipitation, and agricultural irrigation return flows. The groundwater storage capacity is estimated as 6,600 AF; however, the actual amount in groundwater storage is unknown. The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions.

There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users. The safe yield of the basin was estimated to be 1,244 AFY (Envicom, 1982). Groundwater samples taken from four wells from 1957 to 1985 show total dissolved solids concentration ranging from 211 to 381 mg/L. The primary constraints on water availability in the basin include physical limitations and potential water quality issues. Groundwater levels in the basin are likely highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

4.2.1.1.3 *Pico Creek Valley Groundwater Basin*

The Pico Creek Valley Groundwater Basin is located in WPA 1 of the North Coast sub-region (Figure 4.1). This basin is not formally defined under California's Groundwater

Bulletin 118 program. The basin is 62.5 acres (about one-tenth of a square mile) in size and underlies Pico Creek Valley (Cleath, 1986). The basin is bounded by the Pacific Ocean to the west and extends inland about 7,000 feet under the stream channel and floodplain of the Pico Creek. From the Pacific Ocean to about 1,200 feet inland, the basin is undeveloped. The Hearst Ranch is located from 1,200 feet inland to about 4,000 feet inland.

The main water-bearing unit in the basin is the Pico Creek alluvium (Cleath, 1986). Recharge to the basin comes primarily from seepage of surface flows in Pico Creek and deep percolation of precipitation. Historically, the creek flows during the winter months and does not flow during the summer months. The alluvium between the ocean and Hearst Ranch is divided into a shallow and a deep aquifer, where the two aquifers are separated by a clay zone that acts as an aquitard. The clay zone is not present upstream of the Hearst Ranch and the alluvium eastward from there forms a single aquifer.

The basin contains groundwater stored both above sea level and below sea level. The available groundwater in storage above sea level is about 40 AF (Cleath, 1986). Much of the groundwater in storage below sea level has experienced sea water intrusion and is of lesser water quality. The available groundwater in storage below sea level is less than 50 AF.

Water users in the basin include the San Simeon Community Services District (San Simeon CSD) and Hearst Ranch. The basin yield is estimated to be 120 AFY (Cleath, 1986). Contamination of water supply wells due to seawater intrusion is a major water quality concern in the basin (Cleath, 1986). Lowering of groundwater levels below sea level in the basin during the summer months when creek flows are absent and pumping is active can result in the landward migration of the sea water/fresh groundwater interface. Since at least the mid-1980s, sea water intrusion has occurred within the Pico Creek Valley Groundwater Basin (Cleath, 1986). Although seawater intrusion has increased salinity levels in groundwater pumped from local water supply wells, it has not degraded water quality to the point that the water is non-potable. The 2008 Consumer Confidence Report for two San Simeon CSD wells reported that measured concentrations of all analyzed contaminants were below their respective Maximum Contaminant Level (MCL) or Regulatory Action Level (AL) values.

The primary constraints on water availability in the basin include physical limitations and potential water quality issues. Currently the water supply of San Simeon CSD is at a certified Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands (SLO County, 2008). As a result, a moratorium on development has been in place since 1991.

4.2.1.2 Cambria WPA 2

Groundwater basin descriptions in WPA 2 include San Simeon Valley, Santa Rosa Valley, Villa Valley.

4.2.1.2.1 *San Simeon Valley Groundwater Basin*

The San Simeon Valley Groundwater Basin is located in the WPA 2 of the North Coast sub-region (Figure 4.2) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-35 (DWR 2003). The basin underlies San Simeon Valley and is 620 acres (1 square mile) in size, and is bounded by the Pacific Ocean, the Santa Lucia Range, and impermeable rocks. Recharge to the basin comes primarily from seepage of surface flows in San Simeon and Van Gordon creeks, deep percolation of precipitation, and agricultural irrigation return flows.

Groundwater is found in alluvial deposits underlying San Simeon Creek (DWR 2003). The alluvium's thickness varies from about 100 feet beneath the center of the valley to more than 120 feet at the coast (Yates and Van Konyenburg, 1998). The groundwater storage capacity is estimated as 4,000 AF; however the actual amount in groundwater storage is unknown (DWR 2003). The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions.

Water users in the basin include the Cambria Community Services District (Cambria CSD) and overlying users. The safe yield of the basin was estimated to be 1,040 AFY (Cambria County Water District, 1976). Groundwater samples from 31 wells collected from 1955 to 1994 show total dissolved solids (TDS) concentration ranging from 46 to 2,210 mg/L (DWR 2003). Samples from three public supply wells show a TDS concentration range of 400 to 420 mg/L with an average concentration of 413 mg/L. Manganese concentrations in the downstream regions of the basin have exceeded the MCL, with a range of 0.002 to 1.6 mg/L (Yates and Van Konyenburg, 1998). The 2007 Consumer Confidence Report for Cambria CSD reported that measured concentrations of all analyzed contaminants were below their respective MCL or Regulatory AL values. In particular, the measured TDS concentration was 440 mg/L.

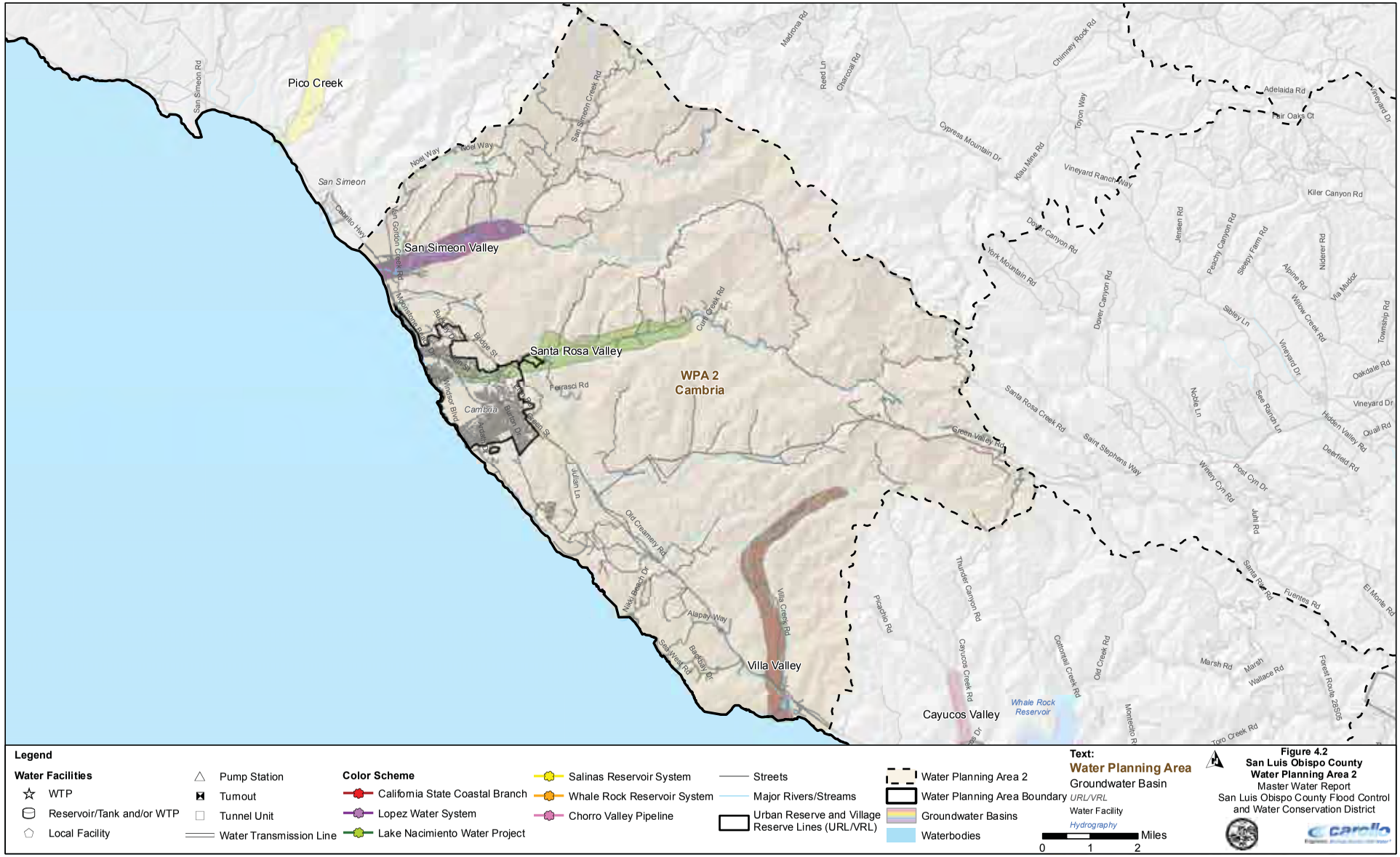


Figure 4.2
San Luis Obispo County
Water Planning Area 2
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

The primary constraints on water availability in the basin include physical limitations and potential water quality issues. The State Water Resources Control Board (State Board) allows a maximum extraction of 1,230 AFY in the San Simeon Valley Groundwater Basin and a maximum dry season extraction of 370 AF (Cambria CSD Water Master Plan (WMP), 2008). Although the actual dates will vary each year depending on creek flows and rainfall occurrence, the dry season generally spans from May through October. In general, groundwater levels in the basin are typically highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. Currently the water supply of Cambria CSD is at a Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands (Cambria CSD WMP, 2008).

4.2.1.2.2 *Santa Rosa Valley Groundwater Basin*

The Santa Rosa Valley Groundwater Basin is located in WPA 2 of the North Coast sub-region (Figure 4.2) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-36 (DWR 2003). The basin underlies the Santa Rosa Valley, is 4,480 acres (7 square miles) in size, and is bounded by the Pacific Ocean and impermeable rocks. Recharge to the basin comes primarily from seepage of surface flows in Santa Rosa Creek and tributaries, deep percolation of precipitation, and residential/agricultural return flows.

According to Bulletin 118, the main water-bearing unit in the basin is unconfined alluvium (DWR 2003). The groundwater storage capacity of the basin has been estimated as 24,700 AF (DWR 1975). The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions. The actual amount of groundwater in storage is unknown.

Water users in the basin include the Cambria CSD and overlying users. The safe yield of the basin has been estimated to be 2,260 AFY (Cambria County Water District, 1976). Groundwater sampled from one public supply well had a total dissolved solids concentration of 680 mg/L. Increases in measured groundwater chloride concentration suggest the possibility of seawater intrusion into the basin (DWR 1975). From 1955 to 1975, measured chloride concentration increased from 80 mg/L to 933 mg/L (DWR 1975), where background chloride concentration typically range from 30 to 270 mg/L (Yates and Van Konyenburg, 1998).

The Cambria CSD's Urban Water Management Plan (UWMP) (Cambria CSD, 2005) noted the existence of an MtBE plume moving towards its Santa Rosa well field. The UWMP also noted that although the plume was still present at the time the UWMP was prepared, Cambria CSD was taking action to remove the MtBE from the groundwater through a remediation program.

The primary constraints on water availability in the basin include physical limitations and potential water quality issues. The State Board allows a maximum extraction of 518 AFY in

the Santa Rosa Valley Groundwater Basin and a maximum dry season extraction of 260 AF (Cambria CSD WMP, 2008). The California Coastal Commission Coastal Development Permit defines the Santa Rosa Creek dry period as July 1 to November 20. In general, groundwater levels in the basin are typically highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. Currently the water supply of Cambria CSD is at a Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands (Cambria CSD WMP, 2008).

4.2.1.2.3 *Villa Valley Groundwater Basin*

The Villa Valley Groundwater Basin is located in WPA 2 in the North Coast sub-region (Figure 4.2) and encompasses approximately 980 acres (1.5 square miles). The basin is bounded by the Pacific Ocean and by relatively impermeable rocks. This basin has been designated by the DWR as Basin 3-37 (DWR 2003). Recharge to the basin comes primarily from seepage of surface flows in Villa Creek, deep percolation of precipitation, and residential/agricultural return flows.

The aquifer consists of alluvial deposits that are up to approximately 50 feet thick. There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural and residential purposes by overlying users. The projected safe seasonal yield of the Villa Valley Groundwater Basin was historically estimated at 1,000 AFY (DWR 1958). There has been no subsequent basin study to confirm or update this estimate.

Seawater intrusion has been reported historically in the lower portion of the basin (DWR 1975). Upstream of sea water influence, the TDS concentration averaged 500 mg/L in samples collected from three wells between 1965 and 1970 (STORET Legacy Database).

Constraints on water availability in this basin include both physical limitations and water quality issues. Shallow alluvial deposits are typically more susceptible to drought impacts. For the upper Villa Valley, water level and well capacity declines during drought limit the availability of the resource, while in the lower valley area; sea water intrusion is the primary constraint.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information for the Villa Valley Groundwater Basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful for these studies. Additional information may be available from the DWR and private sources.

4.2.1.3 <u>Cayucos WPA 3</u>

Groundwater basin descriptions in WPA 3 include Cayucos Valley, Old Valley, and Toro Valley.

4.2.1.3.1 *Cayucos Valley Groundwater Basin*

The Cayucos Valley Groundwater Basin is located in WPA 3 in the North Coast sub-region (Figure 4.3) and encompasses approximately 580 acres (0.9 square miles). The basin is bounded by the Pacific Ocean and by relatively non-water bearing rock units (Cleath, T. S., 1988). This basin has been designated by the DWR as Basin 3-38. Recharge to the basin comes primarily from seepage of surface flows in Cayucos Creek, deep percolation of precipitation, and residential/agricultural return flows.

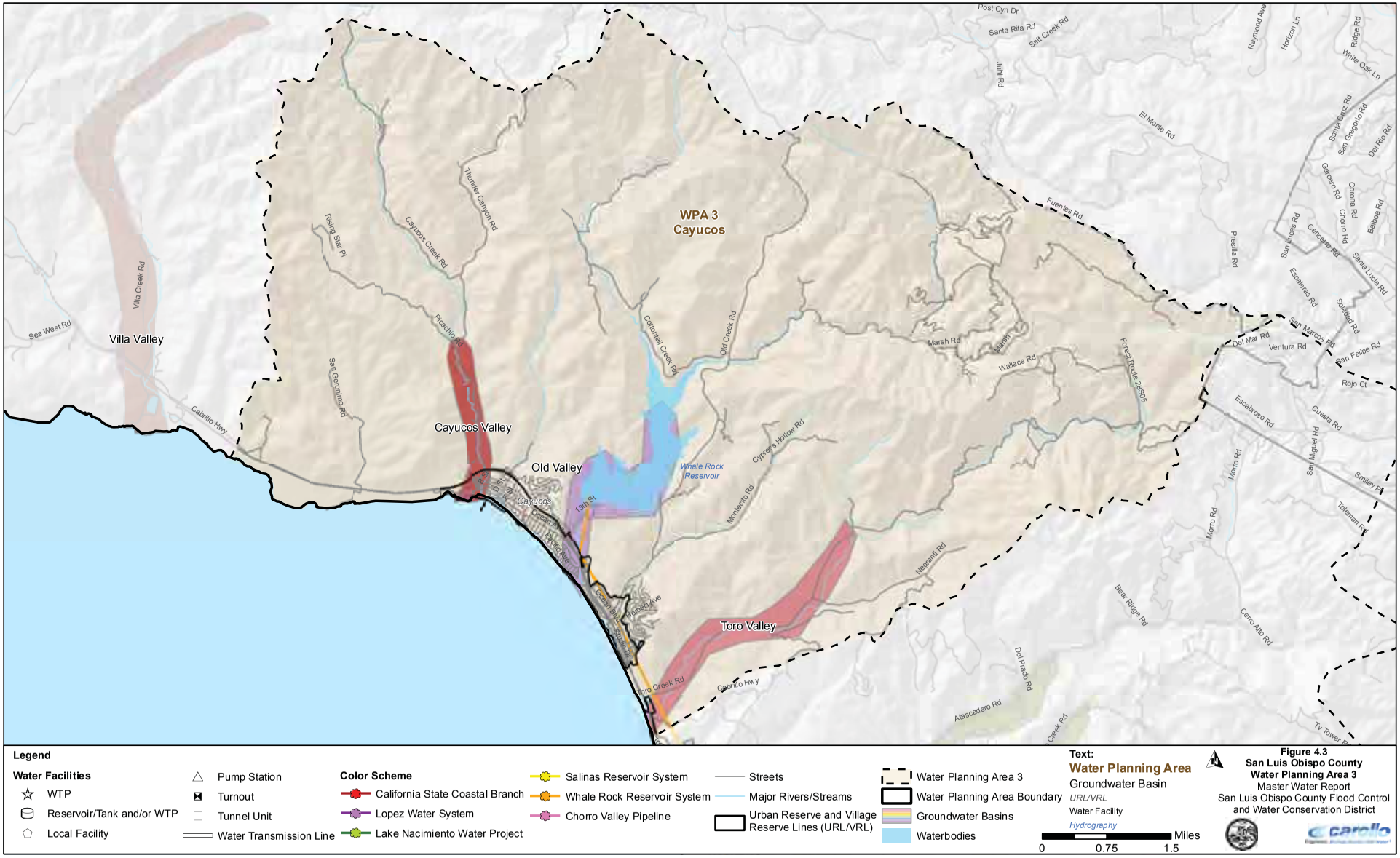
Basin groundwater users include a small public water system (mobile home park) and overlying residential and agricultural users. The Morro Rock Mutual Water Company and Paso Robles Beach Water Association service areas overlie a portion of the basin; however, these purveyors do not pump from the Cayucos Valley basin.

The water supply aquifer is within the alluvial deposits of Cayucos Creek, which are comprised of gravel, sand, silt and clay. These alluvial deposits extend up to an estimated 80 feet thick, and are at least 68 feet thick at a distance of one mile inland from the coast (Cleath, T. S., 1988). The projected safe seasonal yield of the Cayucos Valley Groundwater Basin was historically estimated at 600 AFY (DWR 1958). There has been no subsequent basin-wide studies to confirm or update this estimate. Estimated production from the basin was 350 AFY in 1987 (Cleath, T. S., 1988).

There is evidence of sea water intrusion in the basin extending to the mobile home park wells and ranch wells immediately upstream of Highway 1. The TDS concentration of groundwater upstream of the sea water influence is close to 500 mg/L (Cleath, T. S., 1988).

Constraints on water availability in this basin include both physical limitations and water quality issues. Water level and well capacity declines during drought will limit the availability of the resource, while in the lower valley area; sea water intrusion will be the primary constraint.

Some of the published hydrogeologic information for the Cayucos Valley Groundwater Basin is over 20 years old and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme
- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Streets
- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Water Planning Area 3
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
Water Planning Area
Groundwater Basin
URL/VRL
Water Facility
Hydrography

0 0.75 1.5 Miles

Figure 4.3
San Luis Obispo County
Water Planning Area 3
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

4.2.1.3.2 *Old Valley Groundwater Basin*

The Old Valley Groundwater Basin is in WPA 3 in the North Coast sub-region (Figure 4.3) and encompasses approximately 750 acres (1.2 square miles). The basin is bounded by the Pacific Ocean and by relatively impermeable rocks. This basin, which includes Whale Rock Reservoir, was designated by the DWR as Basin 3-39. Basin recharge upstream of the reservoir comes primarily from deep percolation of precipitation and seepage from surface flows in Cottontail Creek and Old Creek. Below the dam, recharge includes dam underflow and seepage from reservoir releases.

Basin groundwater users downstream of Whale Rock reservoir include members of the Cayucos Area Water Organization (CAWO), which include Morro Rock Mutual Water Company (Morro Rock MWC), Paso Robles Beach Water Association (PRBWA), County Service Area 10A (CSA 10A), the Cayucos Cemetery District (CCD), and two landowners. The combined groundwater and Whale Rock Reservoir surface water allocation for CAWO in Old Valley is 600 AFY, distributed as follows:

- Morro Rock MWC: 170 AFY
- PRBWA: 222 AFY
- CSA 10A: 190 AFY (plus 25 AFY of San Luis Obispo's entitlement via exchange for Lake Nacimiento water)
- CCD: 18 AFY
- Downstream land owners: 64 AFY

CAWO agencies receive water directly from the reservoir via the treatment plant and transmission pipeline. Mainini Ranch and Ogle also receive entitlements to 64 AFY of Whale Rock Reservoir. Upstream of the reservoir are residential and agricultural overlying users. Whale Rock Reservoir water users, including the City of San Luis Obispo, Cal Poly, and the California Men's Colony, are discussed later in this section.

The water supply aquifer is within the alluvial deposits of Old Creek and upstream tributary valleys. These alluvial deposits extend up to an estimated 72 feet thick (Cleath & Associates, 1993, 1995). Production from wells in the lower Old Valley Groundwater Basin (below the reservoir) ranged from 389 to 603 AFY, with an average of 505 AFY between 1981 and 1992. The lower basin was estimated to have a yield capable of providing the entire 600 AFY CAWO allocation, although releases from the reservoir were necessary to preclude sea water intrusion (Cleath & Associates 1993, 1995). With direct deliveries of CAWO downstream entitlement to a water treatment plant beginning in 1997, re-evaluation of the yield in this part of the basin has not been a high priority. The TDS concentration of the groundwater below the reservoir averaged 440 mg/L in 2008 (CSA 10/10A, 2008).

Constraints on water availability in this basin include physical limitations, water rights, and environmental considerations. Shallow alluvial deposits upstream of the reservoir are susceptible to drought impacts, having limited groundwater in storage. For the area below

the reservoir, dam underflow may provide a source of recharge. Water agreements limit the amount of groundwater available to the members of CAWO and downstream landowners in Old Valley.

4.2.1.3.3 *Toro Valley Groundwater Basin*

The Toro Valley Groundwater Basin is in WPA 3 in the North Coast sub-region (Figure 4.3) and encompasses approximately 510 acres (0.8 square miles). The basin is bounded by the Pacific Ocean and by generally non-water bearing rocks. This basin is designated by the DWR as Basin 3-40 (Cleath, T. S., 1988; DWR 2003). Basin recharge comes primarily from seepage of surface flows in Toro Creek, deep percolation of precipitation, and residential/agricultural return flows.

Basin water users include Chevron (with agricultural tenants), and overlying residential and agricultural users. The water supply aquifer is within the alluvial deposits drained by Toro Creek. These alluvial deposits extend up to an estimated 80 feet thick, and average approximately 50 feet thick in the lower portion of the basin (McClelland Engineers, 1988). The projected safe seasonal yield of the Toro Valley Groundwater Basin was historically estimated at 500 AFY (DWR 1958). Estimates of hydrologic budget items for 1987 conditions included 591 AFY of percolation of precipitation and 532 AFY of basin groundwater production. Given the shallow nature of alluvial deposits and limited groundwater in storage, the safe yield estimate for this Master Water Report Update is limited to the documented historical production that has not resulted in water supply problems, which to date has been up to 532 AFY.

Water quality data for a well approximately 0.7 miles inland of the coast between 1954 and 1987 indicates mild sea water intrusion at this location in the basin, with chloride concentrations up to 129 mg/L. The TDS concentration typically ranges between 400 and 700 mg/L (STORET Legacy Database and DWR 2003). In the lower basin area near Highway 1, petroleum hydrocarbon contamination associated with the Chevron marine terminal has been detected in groundwater and remedial activities are ongoing (GeoTracker Database).

Constraints on water availability in this basin include both physical limitations and water quality issues. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. For the upper basin, water level and well capacity declines during drought will limit water availability, while in the lower valley area, sea water intrusion and petroleum hydrocarbon contamination are the primary constraints.

Some of the published hydrogeologic information for this groundwater basin is over 20 years old and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

4.2.1.4 Morro Bay WPA 4

Groundwater basin descriptions in WPA 4 include Morro Valley and Chorro Valley.

4.2.1.4.1 *Morro Valley Groundwater Basin*

The Morro Valley Groundwater Basin is in WPA 4 in the North Coast sub-region (Figure 4.4) and encompasses approximately 1,200 acres (1.9 square miles). The basin is bounded by the Pacific Ocean, the Morro Bay estuary, and by impermeable rock units. This basin is designated by the DWR as Basin 3-41. Most of the basin area is within unincorporated San Luis Obispo County, with the City of Morro Bay overlying the basin area southwest of the narrows near Highway 1 (DWR 2003). Recharge to the basin comes primarily from seepage of surface flows in Morro Creek and Little Morro Creek, deep percolation of precipitation, and residential/agricultural return flows. The water supply aquifers are predominantly within alluvial deposits drained by Morro Creek, which are comprised of gravel, sand, silt and clay. The alluvial deposits are typically up to 80 feet thick (Cleath & Associates, 2007).

Basin groundwater users include the City of Morro Bay, Morro Bay power plant, a cement plant, a small public water system (mobile home park), and residential and agricultural overlying users. The City of Morro Bay pumps sea water and Morro Creek underflow from the basin, the latter with a permitted allocation of 581 AFY from the State Board.

The existing perennial yield of the Morro Valley Groundwater Basin is estimated at 1,500 AFY. Groundwater modeling performed to evaluate the impacts of sea water well operation on the basin indicated that concurrent operation of the City of Morro Bay's sea water and fresh water supply wells could interfere during drought conditions such that the fresh water wells would be subject to sea water intrusion (Cleath & Associates, 1993a; 1993b).

Sea water intrusion and nitrates are the predominant concerns for water quality in this basin. In the mid-1980's TDS concentrations in groundwater downstream of the narrows near Highway 1 began to exceed 1,000 mg/L seasonally due to sea water intrusion. More recently, basin TDS concentrations (measured in 2007) were typically between 400 and 800 mg/L and increasing toward the coast, except for an area beneath agricultural fields in the lower valley where TDS concentrations reached 1000 mg/L, and nitrate concentrations reached 220 mg/L as nitrate (Cleath & Associates 1993a; 2007).

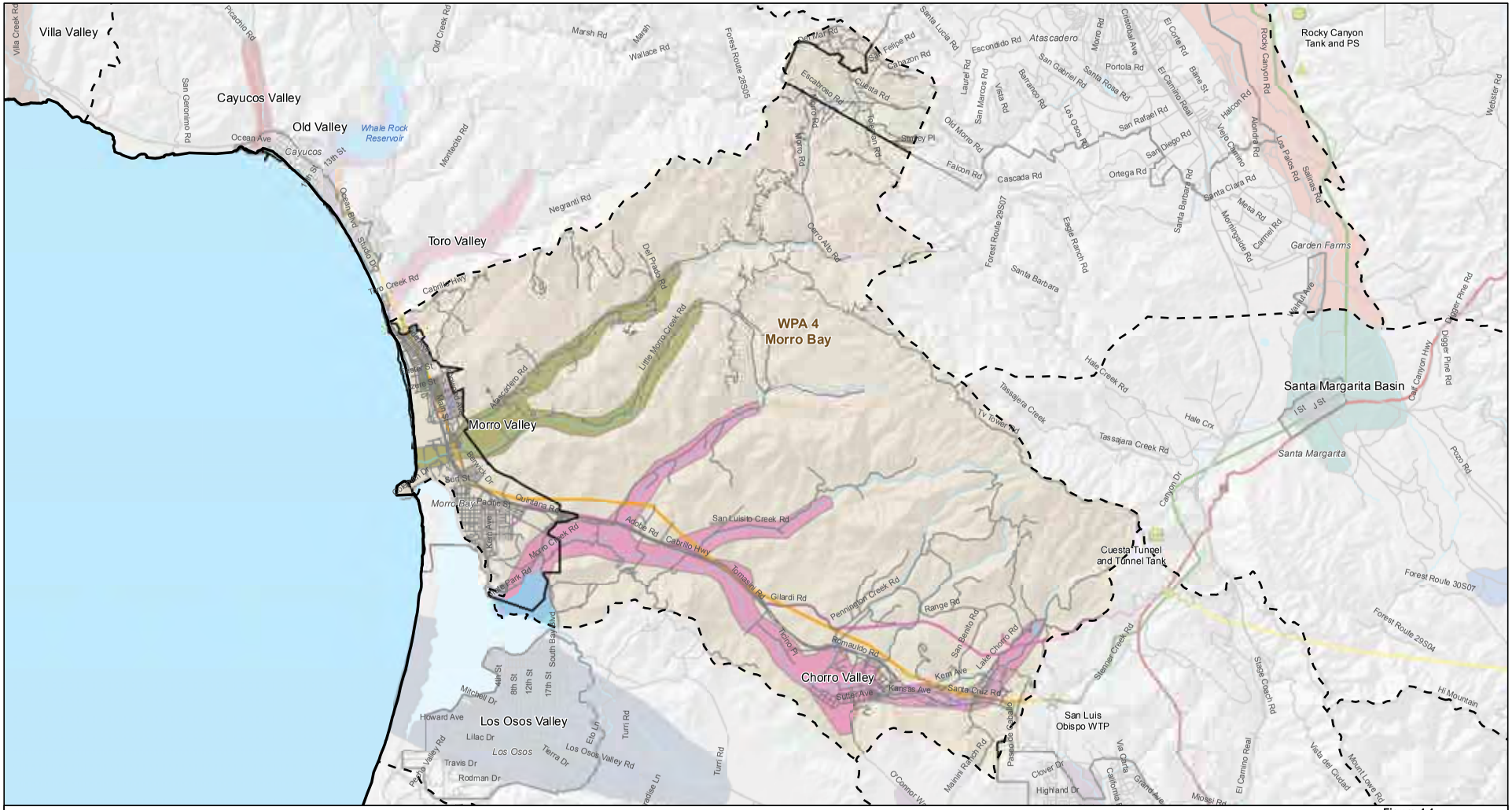


Figure 4.4
San Luis Obispo County Water Planning Area 4
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

Primary constraints on water availability in this basin include physical limitations, water quality issues, and water rights. Shallow alluvial deposits are typically more susceptible to drought impacts. For the upper Morro Valley, water level and well capacity declines during drought would limit the availability of the resource, while in the lower valley area, sea water intrusion would be the primary constraint. Elevated nitrates are a constraint for drinking water availability at the City of Morro Bay well field, where appropriative water right permits from the State Board also limit production.

4.2.1.5 Chorro Valley Groundwater Basin

The Chorro Valley Groundwater Basin is in WPA 4 in the North Coast sub-region (Figure 4.4) and encompasses approximately 3,200 acres (5 square miles), although the effective extent of saturated basin deposits covers an estimated 1,900 acres (3 square miles). The basin is bounded by the Morro Bay estuary and elsewhere by impermeable rock units (Cleath-Harris Geologists, 2009). This basin is designated by the DWR as Basin 3-42. Most of the basin area is within unincorporated San Luis Obispo County, with the City of Morro Bay overlying the basin area near the Morro Bay estuary. Recharge to the basin comes primarily from seepage of surface flows in Chorro Creek and tributaries (including wastewater treatment plant discharges and releases from Chorro Reservoir), deep percolation of precipitation, and residential/agricultural return flows. The water supply aquifers are alluvial deposits drained by Chorro Creek, which are comprised of gravel, sand, silt and clay. These alluvial deposits are 50-70 feet thick downstream of Canet Road (Cleath-Harris Geologists, 2009).

Basin groundwater users include the City of Morro Bay, San Luis Obispo County, California State Parks, California State Polytechnic University, California National Guard, California Men's Colony, and residential and agricultural overlying users. The City of Morro Bay pumps Chorro Creek underflow from the basin and has appropriative rights to 1,142.5 AFY. Safe yield under drought conditions is estimated at 566 AFY through the State Board.

The perennial yield of the Chorro Valley basin is estimated for planning purposes at 2,210 AFY (Cleath & Associates, 1993a; DWR 1958). Nitrate concentrations are a concern for water quality in the lower portion of this basin. Sea water intrusion has been documented historically and is a potential future concern in the Chorro Flats area, should pumping patterns change significantly. Recent basin TDS concentrations (measured in 2008) were typically between 500 and 700 mg/L (DWR 1975; Cleath-Harris Geologists, 2009).

Constraints on groundwater availability in this basin include physical limitations, water quality issues, environmental demand, and water rights. In the Chorro Valley upstream of the Chorro Creek discharge point for the California Men's Colony wastewater treatment plant, water level and well capacity declines during drought will limit the availability of the resource. The wastewater plant discharges enter the basin as imported water sources, and therefore provide additional available water for basin wells and environmental demand below the discharge point. In the lower valley area, sea water intrusion would be a primary

constraint during drought. The elevated nitrates are a constraint for drinking water availability at the City of Morro Bay well field where production is also limited by appropriative water right permits from the State Board. These permits for underflow production by the City of Morro Bay have also been conditioned to require minimum surface flows in Chorro Creek for Steelhead habitat protection.

4.2.1.6 Los Osos WPA 5

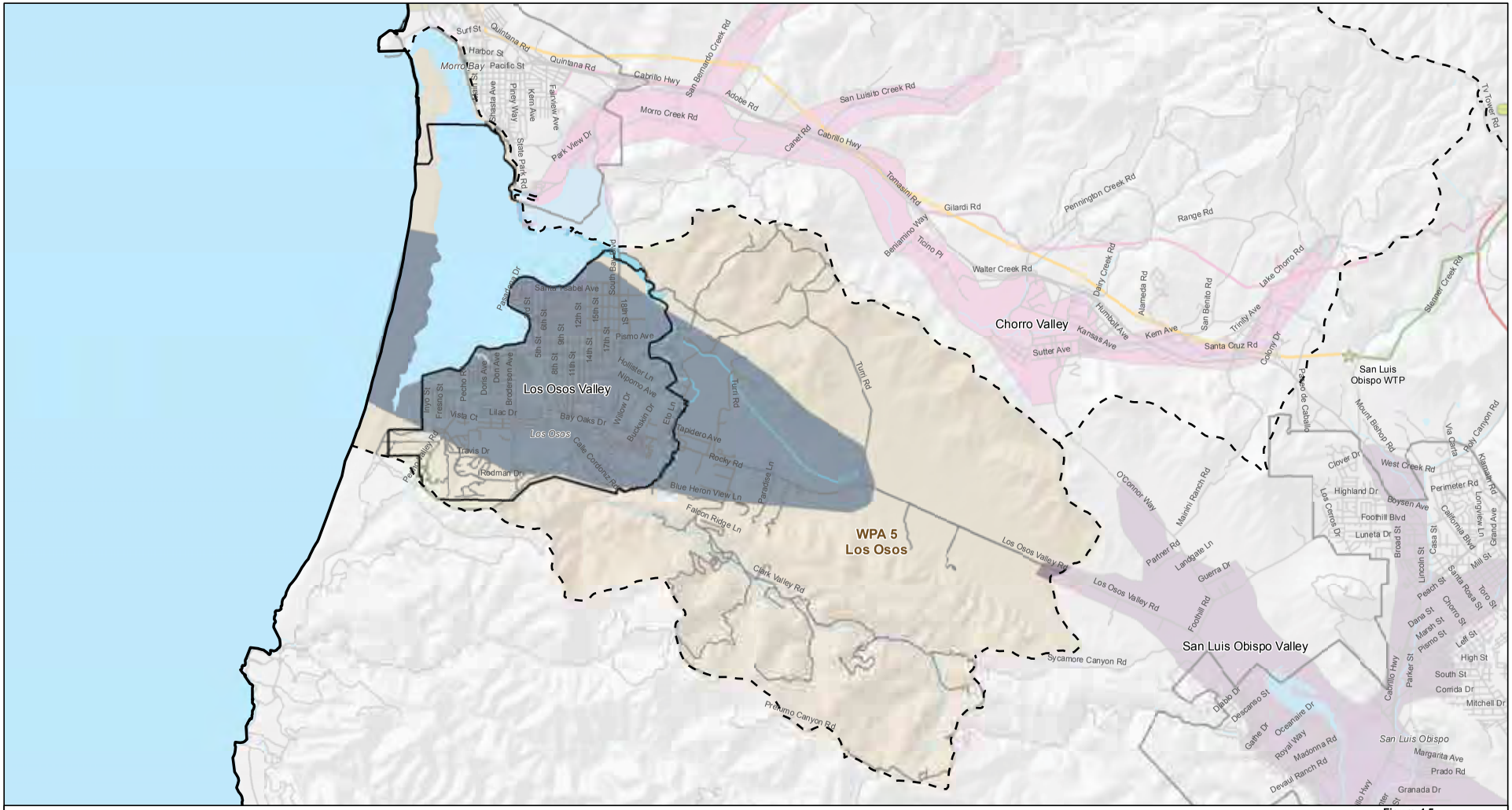
Groundwater basin descriptions in WPA 5 include Los Osos Valley.

4.2.1.6.1 *Los Osos Valley Groundwater Basin*

The Los Osos Valley Groundwater Basin is part of the North Coast sub-region (Figure 4.5) and encompasses approximately 10 square miles, of which 3.3 square miles underlie the Morro Bay estuary and sand spit, and 6.7 square miles underlie the communities of Los Osos, Baywood Park, and the Los Osos Creek Valley. The basin is bounded by the Pacific Ocean, and elsewhere by relatively impermeable rocks. The southern basin boundary also runs parallel to the main strand of the Los Osos fault. This basin is designated by the DWR as Basin 3-8 (DWR, 2003; Cleath & Associates, 2005). Freshwater recharge to the basin comes primarily from seepage of surface flows in Los Osos Creek, deep percolation of precipitation, and residential/agricultural return flows. Sea water intrusion is also a significant component of basin inflow under current conditions.

The basin is generally characterized as having five (5) zones. The upper aquifer (Zone C) reaches 200 feet thick. The lower aquifer (Zones D and E) is up to several hundred feet thick adjacent to the main strand of the Los Osos fault. There is also a perched aquifer less than 50 feet thick in the dune sands west of the Los Osos Creek Valley (Zone B), and a shallow alluvial aquifer typically 70 feet thick in the creek valley (Zone A). The lower aquifers extend beneath the alluvial aquifer in the creek valley (Yates and Wiese, 1988; Cleath & Associates, 2005, ISJ Working Group, 2010).

Basin groundwater users in the Los Osos Valley basin include Golden State Water Company, S&T Mutual, the Los Osos Community Services District, and overlying private well users. The three local water purveyors, along with the County of San Luis Obispo, are currently preparing a Basin Management Plan (BMP) under a court-approved Interlocutory Stipulated Judgment (ISJ Working Group).


Los Osos Valley
WPA 5
Los Osos
Chorro Valley
San Luis Obispo Valley
San Luis Obispo WTP
Morro Bay
Los Osos
San Luis Obispo
Surf St
Harbor St
Pacific St
Quintana Rd
Cabrillo Hwy
San Bernardo Creek Rd
Adobe Rd
San Luisito Creek Rd
Morro Creek Rd
Canet Rd
Tomasini Rd
Gilardi Rd
Pennington Creek Rd
Range Rd
Walter Creek Rd
Dairy Creek Rd
Alameda Rd
San Benito Rd
Lake Chorro Rd
Trinity Ave
Santa Cruz Rd
Kansas Ave
Humbolt Ave
Kern Ave
Sutter Ave
Colony Dr
Pasadena Dr
Santa Isabel Ave
South Bay Blvd
Pismo Ave
Hollister Ln
Nipomo Ave
Turri Rd
Tapidero Ave
Rocky Rd
Paradise Ln
Blue Heron View Ln
Falcon Ridge Ln
Clark Valley Rd
Los Osos Valley Rd
Sycamore Canyon Rd
Prefumo Canyon Rd
Pecho Rd
Doris Ave
Don Ave
Bridgeport Ave
Fresno St
Inyo St
Vista Ct
Lilac Dr
Bay Oaks Dr
Willow Dr
Buckskin Dr
Elo Ln
Calle Cordoniz Rd
Travis Dr
Rodman Dr
Pecho Valley Rd
Pismo Beach
Shell Beach
Shell Beach Rd
Price Canyon Rd
Spyglass Dr
Ontario Rd
Highway 1
Pacific Ocean
Morro Rock
Morro Bay State Park
Beach St
Atascadero Rd
Main St
Quintana Rd
Morro Bay Blvd
Rock Ln
Rock Creek Rd
Pine Creek Rd
Cerro Romo Rd
Los Osos Valley Rd
Los Osos Valley Rd
Los Osos Valley

Estimates of the safe yield of the groundwater basin have been developed for the current condition, with existing septic systems in place, and assuming no new water development. The safe yield estimate of the basin under current conditions is 3,200 AFY (ISJ Working Group, 2010). Through the development of a BMP, it is the goal, among others, of the ISJ Working Group, to "provide for a continuously updated hydrologic assessment of the Basin, its water resources and safe yield."

TDS concentrations are generally between 200 mg/L and 400 mg/L. Nitrates are the primary constituent of concern in the upper aquifer, with concentrations in excess of the State drinking water standard of 45 mg/L as nitrate throughout the urban area (Cleath & Associates, 2005, 2006a, 2006b).

Lower aquifer displays characteristics of sea water intrusion on the west side of the basin. TDS concentrations also vary significantly by location, and have been reported at up to 950 mg/L in west side supply wells, although average values in the urban area are closer to 500 mg/L. Sea water intrusion is the main concern for lower aquifer water quality (Cleath & Associates, 2005; GSWC, 2009).

The primary constraint on water availability in the Los Osos Valley Groundwater Basin is deteriorating water quality due to sea water intrusion and nitrate contamination. The County of San Luis Obispo has certified that the basin is currently at a Level III severity rating (resource capacity has been met or exceeded) due to sea water intrusion. Through the development of the BMP, the ISJ Working Group will be evaluating and identifying the management strategies to implement, in coordination with the County's wastewater project, in order to improve conditions in the basin.

4.2.2 South Coast Sub-Region

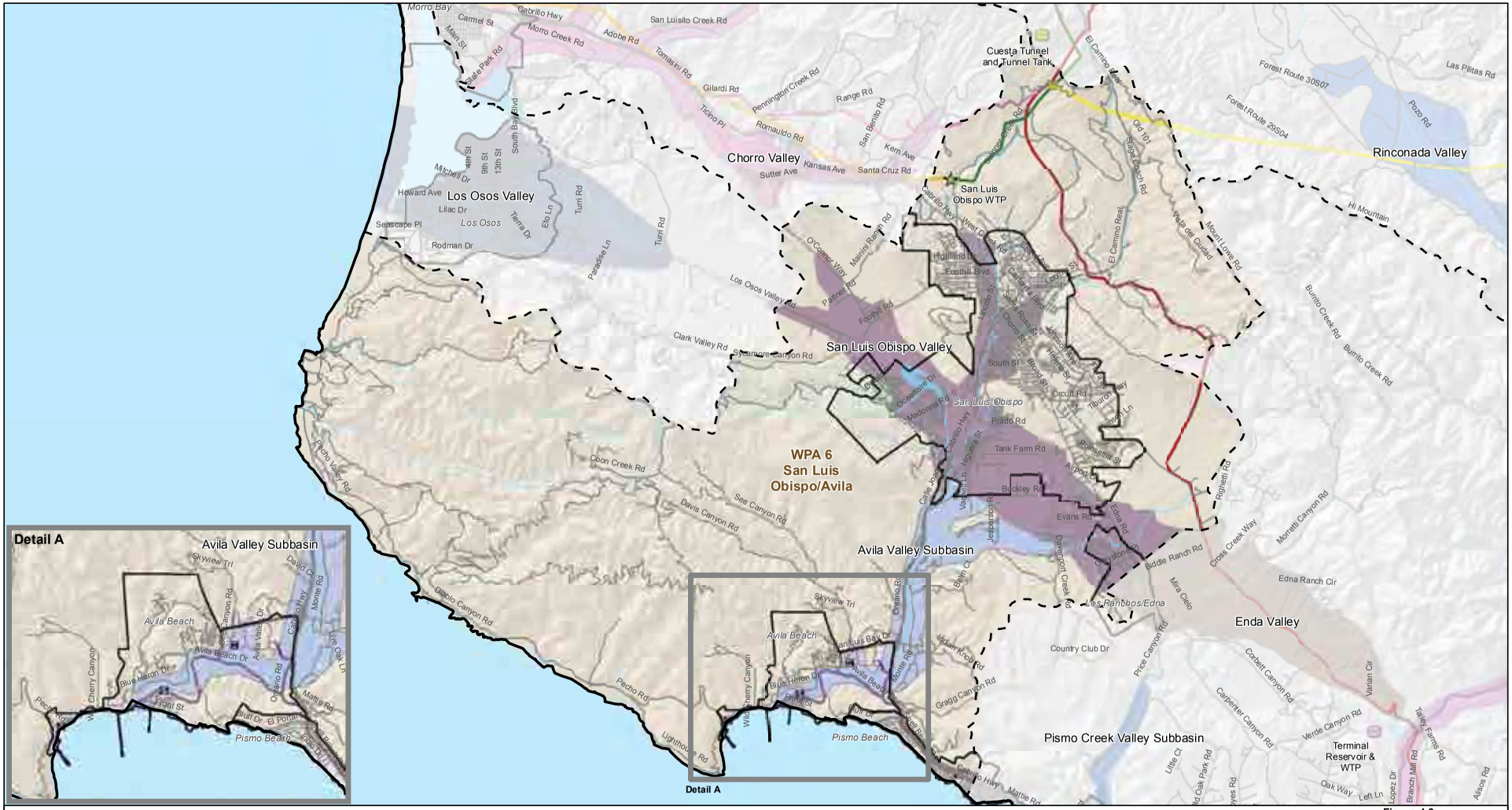
The South Coast Sub-Region is comprised of four Water Planning Areas, including San Luis Obispo/Avila (WPA 6), South Coast (WPA 7), Huasna Valley (WPA 8), and Cuyama Valley (WPA 9) summarized in Table 4.2. A brief description of the basins within each WPA is provided below, with details on groundwater supply aquifers, groundwater users, basin yield, water quality, and water availability.

Table 4.2 South Coast Sub-Region Groundwater Basins				
WPA No.	**WPA Name**	**Groundwater Basin Name**	**Sub-basin/ Management Area**	**Safe Basin Yield (AFY)**
6	San Luis Obispo/Avila	San Luis Obispo Valley(1)	San Luis Valley	2,000
			Edna Valley	4,000
			Avila Valley	No estimate available
7	South Coast	Santa Maria Valley	Pismo Creek Valley	No estimate available
			Arroyo Grande Valley	No estimate available
			Nipomo Valley	No estimate available
			Northern Cities Management Area	5,600-6,800
			Nipomo Mesa Management Area	4,800-6,000(2)
			Santa Maria Valley Management Area	124,000(3)
8	Huasna Valley	Huasna Valley		No estimate available
9	Cuyama Valley	Cuyama Valley		10,000(4)

Notes:
1. A 1991 study reported a sustained yield of the entire San Luis Valley Groundwater Basin under existing conditions at 5,900 AFY.
2. DWR (2002) estimated the dependable yield (DWR 2002. Page ES21) at 4,800 AFY to 6,000 AFY, which was prior to the formal establishment of the NMMA.
3. Safe Yield in the San Luis Obispo County portion of the Santa Maria Valley was estimated between 11,100 AFY and 13,000 AFY prior to the formal establishment of the SMVMA (DWR 2002).
4. There is no separate yield estimate for the San Luis Obispo County portion of the basin.

4.2.2.1 San Luis Obispo/Avila WPA 6

The San Luis Obispo Valley Groundwater Basin is the only DWR-designated basin in WPA 6 (Figure 4.6). A rise in bedrock south of the San Luis Obispo Airport has created two separate subsurface drainage systems, which were designated as the San Luis Valley and Edna Valley Sub-basins in a draft 1997 DWR study. The extension of the San Luis Obispo Creek alluvial deposits between the Los Osos Valley Fault and the Pacific Ocean has been



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme
- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Streets
- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Water Planning Area 6
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
Water Planning Area
Groundwater Basin
URL/VRL
Water Facility
Hydrography

0 1 2 Miles

Figure 4.6
San Luis Obispo County Water Planning Area 6
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

added herein as the Avila Valley Sub-basin. The San Luis Valley and Avila Valley Sub-basins of the San Luis Obispo Valley Groundwater Basin are in WPA 6, while the Edna Valley Sub-basin is in WPA 7.

4.2.2.1.1 *San Luis Obispo Valley Groundwater Basin*

The San Luis Obispo Valley Groundwater Basin is part of WPA 6 and WPA 7 and encompasses approximately 13,800 acres (21.6 square miles), including the newly defined Avila Valley Sub-basin (Figure 4.6). The two larger sub-basins underlie the San Luis and Edna Valleys and are bounded by the Santa Lucia Range, the San Luis Range and the Los Osos and Edna faults. The San Luis Valley (WPA 6) and Edna Valley (WPA 7) Sub-basins comprise Basin 3-9 as defined by the DWR (DWR 1997; 2003). The Edna Valley Sub-basin (approximately 4,700 acres) is entirely within unincorporated San Luis Obispo County, while the San Luis Valley Sub-basin (approximately 8,000 acres) includes both unincorporated County and the City of San Luis Obispo.

The safe yield of the entire San Luis Valley Groundwater Basin was determined in a 1991 study based on elements of recharge and discharge, and in a 1997 study using elements of recharge and discharge, the length of the drought periods and the recovery time following them, and an assessment of the behavior of the basin. The 1991 study reported a value of sustained yield of the entire basin under existing conditions at 5,900 AFY. The 1997 DWR study reported a long-term dependable yield value for the San Luis Valley Sub-basin at 2,000-2,500 AFY, and a long-term dependable yield value for the Edna Valley Sub-basin at 4,000-4,500 AFY. DWR's 1997 study remains in draft form, but is the only yield estimate that separates the two main basin areas. Therefore, the lower values from the 1997 study, which total 6,000 AFY and closely match the 1991 study value, are selected for planning purposes. In summary, the safe yield of the groundwater basin is estimated at 6,000 AFY, of which 2,000 AFY is assigned to the San Luis Valley Sub-basin, and 4,000 AFY to the Edna Valley Sub-basin (Boyle, 1991; DWR 1997).

The Avila Valley Sub-basin (WPA 6) encompasses approximately 1,100 acres along the San Luis Obispo Creek floodplain between the Los Osos Valley fault and the Pacific Ocean, a distance of close to 7 miles. If the District requires more current or detailed information for this basin, specific studies would be necessary. In preparation for any future studies, the District or other agency could begin collecting available information (such as well logs, pump information, or water quality data) from private and public sources to facilitate future work.

4.2.2.1.2 *San Luis Valley Sub-basin*

The San Luis Valley Sub-basin is generally shallower than the Edna Valley sub-basin. Water supply aquifers are mostly within the alluvial deposits and underlying Paso Robles Formation, with a few productive wells tapping marine sands near Highway 101 and Los Osos Valley Road. These alluvial deposits are up to 60 feet deep and directly overlie bedrock in the western and northern areas of the basin. The Paso Robles Formation

deposits extend to depths of up to 150-200 feet below ground surface. Recharge to the basin comes primarily from seepage of surface flows in San Luis Obispo Creek and tributaries (including discharges from the City of San Luis Obispo Water Reclamation Facility), deep percolation of precipitation, and residential/ agricultural return flows.

Sub-basin groundwater users include the City of San Luis Obispo, California State Polytechnic University, San Luis Coastal Unified School District, Chevron, close to two dozen small public water systems serving various commercial, industrial, and residential properties, agricultural growers, and private residences.

TDS concentrations in the San Luis Valley Sub-basin ranged from 320-630 mg/L (480 mg/L average) in six basin wells tested in 1988. Water quality problems vary by location within the basin, with nitrates, salinity, hardness, and perchloroethylene (PCE) historically being the constituents of greatest concern. PCE contamination was a major issue for two wells used by the City of San Luis Obispo during the period from 1987-91. Two high-capacity wells were also shut down in the 1990s due to elevated nitrate concentrations. Hardness and TDS/chloride are more of a concern in the airport area (Cleath, T. S., 1987, 1988; Boyle, 1991).

The primary constraints on water availability in the San Luis Valley Sub-basin include physical limitations, water quality issues, and environmental demand. The shallow alluvial deposits are typically more susceptible to drought impacts. Elevated nitrates are a constraint for drinking water availability at some of the City of San Luis Obispo wells. Steelhead habitat protection in San Luis Obispo Creek would also be a potential constraint on groundwater availability. Wastewater discharges from the City of San Luis Obispo Water Reclamation Facility enter San Luis Obispo Creek near the Los Osos Valley Road overpass. Most of this water originates as imported water and provides additional recharge to wells downstream and to the riparian habitat.

4.2.2.1.3 *Avila Valley Sub-basin*

Downstream of the Los Osos Valley fault, the San Luis Obispo Valley Groundwater Basin follows the alluvial deposits of San Luis Obispo Creek and tributaries to the ocean at Avila Beach. These alluvial deposits are typically less than 60 feet deep and are comprised of river gravel and sand beds overlain by floodplain silts and sands. Wells in the alluvium produce as much as several hundred gallons per minute. Wells in the underlying older sedimentary and volcanic beds may produce more than 100 gallons per minute. Some of these deep wells produce warm water in the vicinity of Sycamore Mineral Springs and San Luis Bay Estates. Where these bedrock units occur downstream of the Marre weir and along the coast, brackish or sea water may be encountered.

Avila Valley Mutual Water Company (MWC) and San Miguelito MWC produce water from the Avila Valley Sub-basin as do the agricultural and private water wells of overlying users in the valley. No basin yield numbers have been published for this sub-basin.

The alluvium extends out to the ocean but the fresh water portion of the alluvium is upstream of the Marre weir at San Luis Bay Estates. Prior to installation of this weir in the early 1970s, seawater intrusion had occurred as far up the valley as the confluence with See Canyon Creek. Since the installation of the weir and with the supplemental flow from the City of San Luis Obispo wastewater treatment plant, there has not been any seawater intrusion documented upstream of the weir.

The primary constraints on water availability in the Avila Valley Sub-basin are physical limitations and environmental demand. Shallow alluvial deposits are typically more susceptible to drought impacts. Releases from the City of San Luis Obispo Water Reclamation Facility into San Luis Obispo Creek significantly offset storage losses during drought, but are also intended to support steelhead habitat. Below the Marre Weir, sea water intrusion is the primary constraint to water availability.

4.2.2.2 South Coast WPA 7

Groundwater basin descriptions in WPA 7 include the Edna Valley Sub-basin of the San Luis Obispo Valley Groundwater Basin, along with three sub-basins and three management areas of the Santa Maria Valley Groundwater Basin. Pismo Creek Valley, Arroyo Grande Valley, and Nipomo Valley are DWR-defined sub-basins of the Santa Maria Valley Groundwater Basin (DWR 2002). The Northern Cities Management Area (NCMA), Nipomo Mesa Management Area (NMMA), and Santa Maria Valley Management Area (SMVMA) are court-defined areas within the adjudicated boundary of the Santa Maria Valley Groundwater Basin (Figure 4.7).

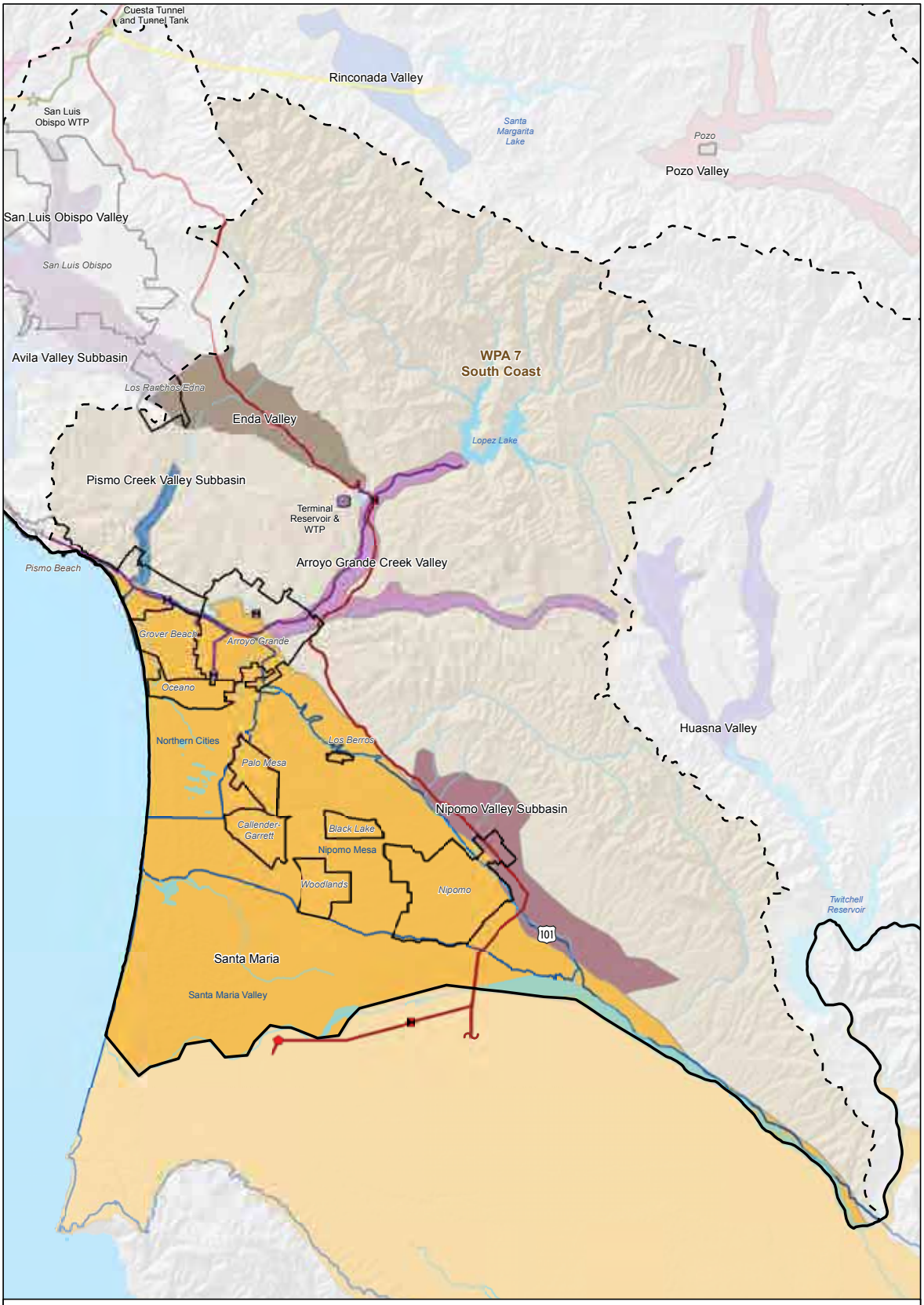
4.2.2.2.1 *San Luis Obispo Valley Groundwater Basin*

The San Luis Obispo Valley Groundwater Basin was discussed above.

4.2.2.2.2 *Edna Valley Sub-basin*

The Edna Valley Sub-basin is part of WPA 7, rather than WPA 6, because surface and subsurface flow drains into the Santa Maria Valley Groundwater Basin (Figure 4.7).

Aquifers within the Edna Valley Sub-basin include alluvial deposits, the Paso Robles Formation, and underlying marine sands and shell beds. These basin materials are collectively thicker than basin strata in the San Luis Valley portion of the groundwater basin, reaching depths of over 300 feet (Boyle, 1991; DWR 1997). Recharge to the basin comes primarily from seepage of surface flows (Davenport Creek, West Corral de Piedra Creek, East Corral de Piedra Creek, and Cañada Verde), deep percolation of precipitation, and residential/agricultural return flows.



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
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Color Scheme
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- Chorro Valley Pipeline

- Major Rivers/Streams
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- Management Areas
- Water Planning Area 7
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
Water Planning Area
Groundwater Basin
URL/VRL
Water Facility
Management Area
Hydrography

0 2 4 Miles

Figure 4.7
San Luis Obispo County
Water Planning Area 7
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

Sub-basin groundwater users include Golden State Water Company, San Luis Country Club (golf course), a few small public water systems, agricultural growers, and private residences. The estimated safe yield of the sub-basin is 4,000 AFY (DWR 1997; see San Luis Valley Sub-basin for additional details). The TDS concentration in the groundwater ranges from 630-780 mg/L (average 690 mg/L), based on public water company testing during 2008. The primary constraints on water availability in the Edna Valley portion of the basin are physical limitations and environmental demand. Lowering groundwater levels due to production in the basin may impact base flows to Pismo Creek, which support steelhead habitat.

4.2.2.2.3 *Santa Maria Valley Groundwater Basin*

The Santa Maria Valley Groundwater Basin is part of WPA 7 (Figure 4.7). There are two boundaries currently in use for this basin, one defined by the California DWR and one defined by the Superior Court of California. The court-defined boundary was developed by a technical committee for use in basin adjudication. This study divides the basin into the court-defined management areas but also includes descriptions on three sub-basins (Pismo Creek Valley, Arroyo Grande Valley, and Nipomo Valley) within the DWR-defined basin that are outside of the adjudicated area. These three alluvial valleys are referred to herein as sub-basins as defined by a 2002 DWR study of the area.

The Santa Maria Valley Groundwater Basin (DWR boundary, including sub-basins) encompasses approximately 184,000 acres (288 square miles), of which approximately 61,220 acres (95.7 square miles) are part of the South Coast Sub-Region within San Luis Obispo County (Figure 4.7). This groundwater basin underlies the Santa Maria Valley in the coastal portion of northern Santa Barbara and southern San Luis Obispo Counties. The basin also underlies Nipomo and Tri-Cities Mesas, Arroyo Grande Plain, with sub-basins in the Nipomo, Arroyo Grande and Pismo Creek Valleys. The basin is bounded on the north by the San Luis and Santa Lucia Ranges, on the east by the San Rafael Mountains, on the south by the Solomon Hills and the San Antonio Creek Valley Groundwater Basin, on the southwest by the Casmalia Hills, and on the west by the Pacific Ocean. In addition, three sub-basins have been identified in San Luis Obispo County that are separated from the main basin by the Wilmar Avenue fault. These are the Pismo Creek Valley (1,220 acres), Arroyo Grande Valley (3,860 acres), and Nipomo Valley (6,230 acres) Sub-basins. The Santa Maria Valley Groundwater Basin is designated by the DWR as Basin 3-9 (DWR 2002, 2003).

The Santa Maria Valley Groundwater Basin has been adjudicated. In 2005, the Superior Court of California entered a Judgment for a basin-wide groundwater litigation case that defined three basin management areas. These management areas are the Northern Cities Management Area (NCMA), the Nipomo Mesa Management Area (NMMA), and the Santa Maria Valley Management Area (SMVMA), which are used herein for planning by the County of San Luis Obispo. The Judgment incorporated a Stipulated Settlement which was made binding by the Court on the signatories, with a declaratory judgment and physical

solution adjudged and decreed in the Judgment after Trial, dated January 25, 2008. The three DWR sub-basins included herein as separate basin components are outside of the adjudicated area.

The San Luis Obispo County portion of the SMVMA and the NMMA are in unincorporated County. The NCMA includes unincorporated County areas and the Cities of Pismo Beach, Arroyo Grande and Grover Beach. The City of Arroyo Grande also overlies a portion of the Arroyo Grande Sub-basin, and the City of Pismo Beach overlies a portion of the Pismo Creek Valley Sub-basin. The basin management areas and sub-basins are shown in Figure 4.7.

4.2.2.2.4 *Pismo Creek Valley Sub-basin*

The Pismo Creek Valley Sub-basin is part of the Santa Maria Valley Groundwater Basin as defined by the DWR but outside of the adjudicated basin area. Water supply aquifers are within alluvial deposits in Price Canyon, which is drained by Pismo Creek and its tributaries. The alluvium varies between 200 and 1,500 feet wide and is up to 60-70 feet thick (Cleath, 1986; DWR 2002; Fugro, 2009). Recharge to the sub-basin comes primarily from seepage from Pismo Creek and tributaries, from deep percolation of precipitation, and subsurface inflow from the Edna Valley Sub-basin.

Sub-basin groundwater users include residential and agricultural overlying users. Plains Exploration & Production Company (Oil Field) groundwater supply wells are not located in this sub-basin. The yield of the alluvial basin in the Spanish Spring ranch area has been estimated at 200 AFY, although this is before any consideration for environmental habitat demand (Fugro, 2009). Additional yield would be available from wells tapping the alluvium downstream of Spanish Springs Ranch, below the confluence of Las Cuevitas Creek, which drains the Indian Knob area. There is no estimate of the basin-wide yield.

Results of six groundwater samples collected from sub-basin wells in 1999 indicate a median TDS concentration of 620 mg/L. One well exceeded the State drinking water standards for TDS and sulfate, and most of the wells had iron and/or manganese concentrations above the drinking water standards (Fugro, 2009).

The primary constraints on water availability in the Pismo Creek Valley sub-basin are physical limitations and environmental demand. The shallow alluvial deposits are typically more susceptible to drought impacts. Steelhead habitat protection in Pismo Creek and tributaries would also be a potential constraint on groundwater availability.

4.2.2.2.5 *Arroyo Grande Valley Sub-basin*

The Arroyo Grande Valley Sub-basin is part of the Santa Maria Valley Groundwater Basin as defined by DWR but outside of the adjudicated basin area. Water supply aquifers are within alluvial deposits in Arroyo Grande Valley, which is drained by Arroyo Grande Creek. The alluvial deposits reach approximately 100 feet thick (DWR 2002). Recharge to the sub-basin comes primarily from seepage from Arroyo Grande Creek (including Lopez Reservoir

releases) and tributaries, deep percolation of precipitation, and residential/agricultural return flows.

Sub-basin groundwater users include small public water systems (residential, commercial, and County park), and agricultural and residential overlying users. There is no estimated safe yield or existing developed yield value reported for this sub-basin. Groundwater levels in the Arroyo Grande Creek alluvium downstream of Lopez Dam are controlled by releases from Lopez reservoir, and have been fairly stable since 1969 (DWR 2002).

Historical groundwater quality in the Arroyo Grande Valley Sub-basin, based on samples collected in the 1980s, shows a progressive deterioration in a downstream direction. The general mineral character of groundwater in the valley changes upstream of the Tar Springs Creek confluence. The downstream section overlies a zone of multiple faults that may contribute highly mineralized water, along with irrigation water returns. With one exception, TDS, sulfate, and chloride concentrations in groundwater samples from wells in the upstream section met drinking water standards and the water was classified as suitable for agricultural irrigation. In the downstream section, TDS from wells typically exceeded 1,500 mg/L (the short term maximum drinking water standard), with sulfate concentrations exceeding the 500 mg/L upper limit for drinking water. The water was also classified as marginal to unsuitable for agricultural irrigation (DWR 2002).

The primary constraints on water availability in the Arroyo Grande Valley Sub-basin are water quality issues, environmental demand, and water rights. Although shallow alluvial deposits are typically more susceptible to drought impacts, releases from Lopez Reservoir provide greater dry period recharge than would otherwise exist. Groundwater quality in the lower sub-basin is marginal to poor, and steelhead habitat is present in Arroyo Grande Creek. The legal framework for Lopez Reservoir releases, downstream monitoring, and surface water allocations could also limit groundwater availability.

4.2.2.2.6 *Nipomo Valley Sub-basin*

The Nipomo Valley Sub-basin is part of the Santa Maria Valley Groundwater Basin as defined by DWR but outside of the adjudicated basin area. Sub-basin water supply aquifers are limited to the older alluvium, which covers the floor of the valley up to approximately 90 feet thick, thinning to negligible thickness toward the eastern edges of the sub-basin. This older alluvium continues to supply some wells, although bedrock formations underlying the alluvium have, over time, become a more important source of groundwater supply (DWR 2002). The fractured rock reservoirs that lie beneath the alluvial deposits cover a much larger area than the sub-basin limits, although the aquifer zones, which are defined by fracture permeability, are typically associated with particular strata and may be structurally complex. Recharge to the sub-basin comes primarily from seepage from Nipomo Creek, from deep percolation of precipitation, and residential/agricultural return flows.

Sub-basin groundwater users include residential and agricultural overlying users. The Nipomo Community Services District (Nipomo CSD) operates wells within the boundaries of

the sub-basin, but these wells tap the deeper fractured rock reservoirs. There is no existing estimate for the perennial yield of this sub-basin.

Water quality is variable across the sub-basin, and the available data set does not distinguish between older alluvial wells and fractured rock wells, although most of the water represented is from the fractured rock reservoirs. Groundwater samples collected from 22 wells between 1962 and 2000 displayed the following characteristics: TDS concentrations ranged from 750 mg/L to 1,300 mg/L; sulfate concentrations between 200 and 340 mg/L; chloride concentrations between 64 and 130 mg/L; and nitrate concentrations from non-detect to 3.4 mg/L. Groundwater is classified as suitable to marginal under water quality guideline for irrigated agriculture (DWR 2002).

The primary constraints on water availability in the Nipomo Valley Sub-basin are physical limitations and water quality. The shallow alluvial deposits are typically more susceptible to drought impacts. The alluvial deposits also overlie and recharge fractured rock aquifers, and would experience declines in water levels and production during dry periods. Water availability in the fractures rock reservoirs can be highly variable, depending on the local structure, available storage capacity, and access to source of recharge. Water quality results indicate that State maximum allowable concentrations of some constituents are exceeded at some wells.

4.2.2.2.7 *Northern Cities Management Area*

The Northern Cities Management Area (NCMA) is part of the Santa Maria Valley Groundwater Basin adjudicated area. Water supply aquifers are within alluvial deposits, the Paso Robles Formation, the Careaga Formation and the Pismo Formation. The alluvium is tapped by wells in the Arroyo Grande Plain Hydrologic Subarea, where it reaches a maximum thickness of 130 feet. The Paso Robles Formation ranges from approximately 150 to 500 feet thick across the management area. The Careaga Formation is up to 300 feet thick south of the Santa Maria River fault, and absent north of the fault. North of the fault, the Pismo Formation underlies the Paso Robles Formation, reaching thicknesses of close to 600 feet along the coast (DWR 2002; Todd, 2007). Recharge to the management area comes primarily from seepage from Arroyo Grande Creek (including releases from Lopez Reservoir), from deep percolation of precipitation (includes storm water infiltration basins), subsurface inflow from the Nipomo Mesa with underflow from Pismo Creek, Meadow Creek, Arroyo Grande Creek, and Los Berros Creek alluvium, and residential/agricultural return flows.

Basin groundwater users in the NCMA include City of Pismo Beach, City of Arroyo Grande, City of Grover Beach, Oceano Community Services District (Oceano CSD), small public water systems (including Halcyon Water System), Lucia Mar Unified School District, and residential and agricultural overlying users.

The safe yield of the DWR's Tri-Cities Mesa – Arroyo Grande Plain Hydrologic Subarea, reported as dependable yield, and was estimated between 4,000 AFY and 5,600 AFY prior to the formal establishment of the NCMA (DWR 2002). A 2007 Water Balance Study for the

management area estimated total average annual recharge at 8,535 AFY, and an average annual groundwater production of 5,569 AFY between 1986 and 2004 without detectable sea water intrusion, supporting the DWR's 5,600 AFY safe yield value estimate (Todd, 2007). However, in 2009, evidence of seawater intrusion was detected at monitoring wells in the Oceano area, even though pumping within the NCMA did not exceed the safe yield of 5,600 AFY (NCMA, 2011).

The 2002 Groundwater Management Agreement (the "gentlemen's agreement") between the Northern Cities (with Oceano CSD) allocates an assumed safe yield of 9,500 AFY. The safe yield included subdivisions for agricultural irrigation (5,300 AFY), subsurface flow to the ocean (200 AFY) and urban uses (4,000 AFY). It also provided that urban groundwater allocations can be increased when land within the incorporated boundaries is converted from agricultural uses to urban uses, referred to as an agricultural conversion credit, or "ag credit." Accordingly, the Cities of Arroyo Grande and Grover Beach have increased their groundwater allocations through the conversion of agricultural uses to urban uses within their service areas. The 2010 Annual Report for the Northern Cities Management Area (NCMA) summarizes the groundwater allocations for the Northern Cities as follows:

Urban Area	Groundwater Allotment (from 2002 Groundwater Management Agreement), AFY	Ag Credit, AFY	Total, AFY
Arroyo Grande	1,202	112	1,314
Grover Beach	1,198	209	1,407
Pismo Beach	700	0	700
Oceano CSD	900	0	900
Total	**4,000**	**321**	**4,321**

The 9,500 AFY yield value was reportedly based on the 1979 DWR groundwater study for the Arroyo Grande area, although this value originated as the maximum estimated safe seasonal yield for the Arroyo Grande Subunit in the 1958 DWR report. The 2009 Annual Report for the NCMA acknowledges the historical 9,500 AFY yield value, but indicates that the allocation for basin outflow of 200 AFY is unreasonably low, and that a regional outflow on the order of 3,000 AFY is a reasonable approximation of subsurface outflow needed to prevent seawater intrusion (Todd, 2010).

Groundwater in the Tri-Cities Mesa portion of the NCMA (north of the Arroyo Grande Plain) has a median TDS value of 650 mg/L, based on data from 1992-2000. Six of 35 wells tested exceeded the State drinking water standard for nitrate, which has been a concern in the area. In the Arroyo Grande Plain, historical data between 1950 and 1987 indicated that approximately three-quarters of the wells sampled had TDS values between 500 to 1,500 mg/L, with half the wells reporting sulfate concentrations greater than 250 mg/L (DWR 2002).

Water availability in the NCMA is primarily constrained by water quality issues and water rights. Basin sediments in the management area extend offshore along several miles of coastline, where sea water intrusion is the greatest potential threat to the supply. Low

coastal groundwater levels indicated a potential for seawater intrusion that was locally manifested in sentry wells 32S/13E N02 and N03 in 2009 after 3 dry years, with levels and water quality improving after an average rainfall year in 2010. The major purveyors have agreed to share the water resources through a cooperative agreement that also sets aside water for agricultural use and for basin outflow (Todd, 2007).

4.2.2.2.8 *Nipomo Mesa Management Area*

The Nipomo Mesa Management Area (NMMA) is part of the Santa Maria Valley Groundwater Basin adjudicated area. Water supply aquifers are within dune sands, the Paso Robles Formation, and the Careaga Formation (NMMA, 2008). DWR basin descriptions also include the Pismo Formation (DWR 2002).

The most productive and developed aquifers are in the alluvium and Paso Robles Formation. Dune sands forming the Nipomo Mesa reach a maximum thickness of close to 300 feet, although most of the sand is unsaturated. The Paso Robles Formation is the thickest and most extensive aquifer in the basin. The Paso Robles Formation in this area is up to 600 feet thick south of the Oceano fault and approximately 200 feet thick north of the fault. Further north beneath the Nipomo Mesa, the Paso Robles Formation is about 100 to 150 feet thick north of the Santa Maria River fault.

Careaga Formation sands are approximately 200-300 feet thick beneath the Nipomo Mesa and are completely missing north of the Santa Maria River fault. Pismo Formation sands are interpreted to underlie the Paso Robles Formation north of the Santa Maria River fault (DWR 2002).

The NMMA has defined a Shallow Aquifer and a Deep Aquifer. The Shallow Aquifer within the NMMA is considered to be an unconfined aquifer. The Deep Aquifer is considered to be confined (NMMA Technical Group, 2009). All production from wells used for public drinking water and industrial water is likely pumped from the Deep Aquifer (primarily the Paso Robles Formation (NMMA 2009 Annual Report). Recharge to the management area comes primarily from deep percolation of precipitation, subsurface inflow from the Santa Maria Valley, and residential/agricultural return flows.

Basin groundwater users in the Nipomo Mesa Management Area include Golden State Water Company, Rural Water Company, Woodlands Mutual Water Company (MWC), ConocoPhillips, Nipomo Community Services District (Nipomo CSD), Lucia Mar Unified School District, small public water systems (serving residential, industrial and nursery/greenhouse operations), and commercial, agricultural and residential overlying users.

DWR (2002) estimated the dependable yield (DWR 2002. Page ES21) for their study area to be between 4,800 AFY and 6,000 AFY, which was prior to the formal establishment of the NMMA. The DWR study area was approximately equivalent to the boundary of the NMMA. The 2009 Annual Report for the NMMA does not estimate safe yield, nor does it estimate the portion of rainfall that percolates downward recharging the shallow aquifer in a

specific place, or the deep aquifer because of the uncertainty in the geometry of confined and unconfined aquifers.

Water quality varies in general mineral character across the Nipomo Mesa. The median TDS in 35 wells sampled between 1990 and 2000 was approximately 500 mg/L. Nitrate has been detected in excess of the drinking water standard in relatively few wells (DWR 2002; NMMA Technical Group, 2009).

According to the database maintained by the California Department of Public Health (CDPH), production wells used for public drinking and industrial use in the NMMA met drinking water quality standards in 2008. One of the ConocoPhillips production wells had a reported value of 1,000 mg/L TDS, the highest reported to the CDPH within the NMMA; the well is used for industrial processing (NMMA Technical Group, 2009).

The primary constraints on water availability in the NMMA would be physical limitations to the east, water quality on the west, and water rights. The base of permeable sediments rises toward the eastern boundary of the area, reducing groundwater in storage and increasing the susceptibility of wells to drought impacts and associated water level declines. To the west, where deeper sediments allow for greater storage fluctuations, sea water intrusion would limit the available fresh water.

The Nipomo Mesa Water Conservation Area is currently in a certified Level of Severity III for water supply (resource capacity has been met or exceeded), as defined by San Luis Obispo County. The County's Level of Severity III led to the preparation of a water conservation ordinance (San Luis Obispo County Code, Title 8 Chapter 8.92, effective September 25, 2008).

The NMMA Technical Group has established a groundwater monitoring plan that uses coastal and inland key wells to assess the condition of the basin. The 2008 Annual Report indicates that a potentially severe water shortage condition exists. This condition calls for voluntary actions under a response plan, with recommendations to draft a Well Management Plan and a conceptual plan to identify specific actions to be taken (NMMA Technical Group, 2009).

4.2.2.2.9 *Santa Maria Valley Management Area*

The Santa Maria Valley Management Area (SMVMA) is part of the Santa Maria Valley groundwater basin adjudicated area. Water supply aquifers are within alluvial deposits, the Paso Robles Formation, and the Careaga Formation. The alluvial deposits are up to 230 feet thick beneath the Santa Maria River. The Paso Robles Formation reaches up to 700 feet thick at the southern County border along the Santa Maria River. The Careaga Formation reaches a thickness of close to 700 feet beneath the Santa Maria Plain (DWR 2002). Recharge to the management area comes primarily from seepage of surface flows in the Santa Maria River (including releases from Twitchell reservoir), deep percolation of precipitation, and residential/agricultural return flows.

Basin groundwater users in the San Luis Obispo County portion of the SMVMA consist primarily of agricultural overlying users, with some residential overlying users and a small public water system.

The SMVMA, most of which is in Santa Barbara County, provided 124,000 AFY of average annual production to wells over a perennial yield study period without sea water intrusion or a decline in groundwater levels and storage (Luhdorff & Scalmanini, 2000). The 2008 Annual Report for the Management Area estimated 125,100 acre-feet of groundwater production in the basin for 2008, with no indications of severe water shortage (Luhdorff & Scalmanini, 2009). Safe Yield in the San Luis Obispo County portion of the Santa Maria Valley, reported as dependable yield, was estimated between 11,100 AFY and 13,000 AFY prior to the formal establishment of the SMVMA (DWR 2002).

Sulfate and TDS are the primary constituents of concern within the San Luis Obispo County portion of the SMVMA. TDS concentrations collected in four area wells between 1992 and 1998 ranged from approximately 750 mg/L to 1,300 mg/L, with a median of 1,200 mg/L, which exceeds the State drinking water standard upper limit of 1,000 mg/L. All the sulfate concentrations exceeded the recommended drinking water standard of 250 mg/L and some exceeded the upper limit of 500 mg/L. TDS was up to 800 mg/L greater in the alluvial aquifer, when compared to the underlying Paso Robles Formation aquifers. Nitrates are also a concern in several areas of the valley, although the majority of groundwater sample results in the San Luis Obispo County portion of the valley are below the MCL (DWR 2002).

The primary constraint on water availability in the San Luis Obispo County portion of the SMVMA would be water quality and water rights. A natural outflow of fresh water must be maintained, both in the deeper aquifer zones where sea water pressures are greatest, and in the shallow alluvial zones where irrigation returns are concentrated. The operation of Twitchell reservoir and the Superior Court Stipulated Judgment and Judgment after Trial affect groundwater availability.

4.2.2.3 Huasna Valley WPA 8

Huasna Valley Groundwater Basin is the only groundwater basin in WPA 8.

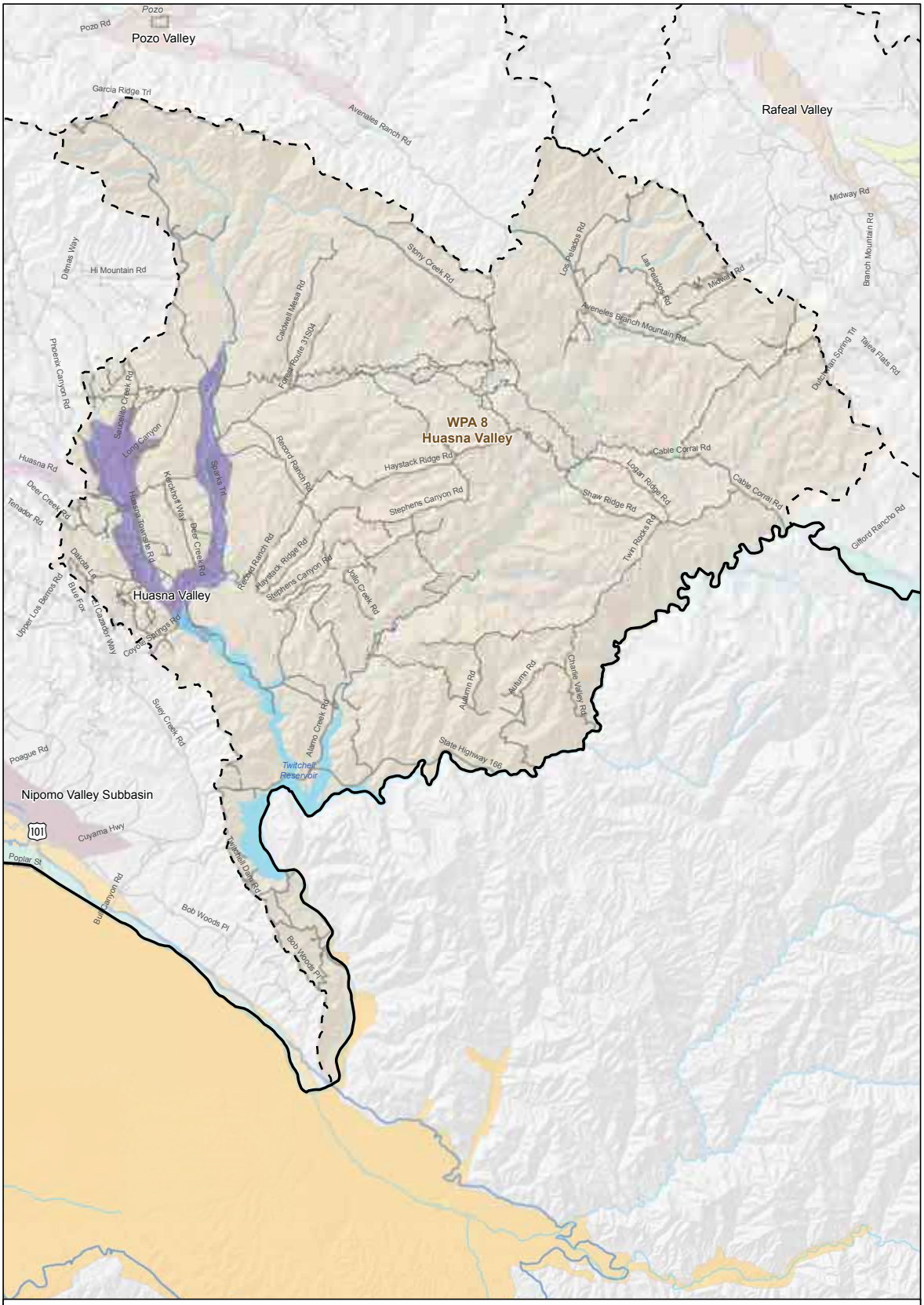
4.2.2.3.1 *Huasna Valley Groundwater Basin*

The Huasna Valley Groundwater Basin is part of the South Coast Sub-Region (Figure 4.8) and encompasses approximately 4,700 acres (7.3 square miles). The basin underlies valleys drained by two branches of Huasna Creek, which flow to Twitchell reservoir. Huasna Valley has been designated as Basin 3-45 and is entirely within unincorporated San Luis Obispo County (DWR 2003). Recharge to the basin comes primarily from seepage from Huasna River and tributaries, deep percolation of precipitation, residential/agricultural return flows, and from Twitchell reservoir seepage when the reservoir fills the lower valley. The basin aquifer consists of alluvial deposits drained by Huasna Creek and Huasna River (DWR 2003).

Basin water users are residential and agricultural overlying users. There is no existing estimate of basin safe yield or hydrologic budget items. No historical water quality data for the alluvial basin has been published in public documents or is available through the STORET Legacy Database.

Constraints on water availability in the Huasna Valley Groundwater Basin include physical limitations. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers. Water availability in the sandstone and fractured reservoirs can be highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

There is limited hydrogeologic information published for this basin. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.



Legend

Water Facilities

- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme

- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Streets

- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Management Areas
- Water Planning Area 8
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:

Water Planning Area

Groundwater Basin

URL/VRL

Water Facility

Management Area

Hydrography

0 2 4 Miles

Figure 4.8
San Luis Obispo County
Water Planning Area 8
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

4.2.2.4 Cuyama Valley WPA 9

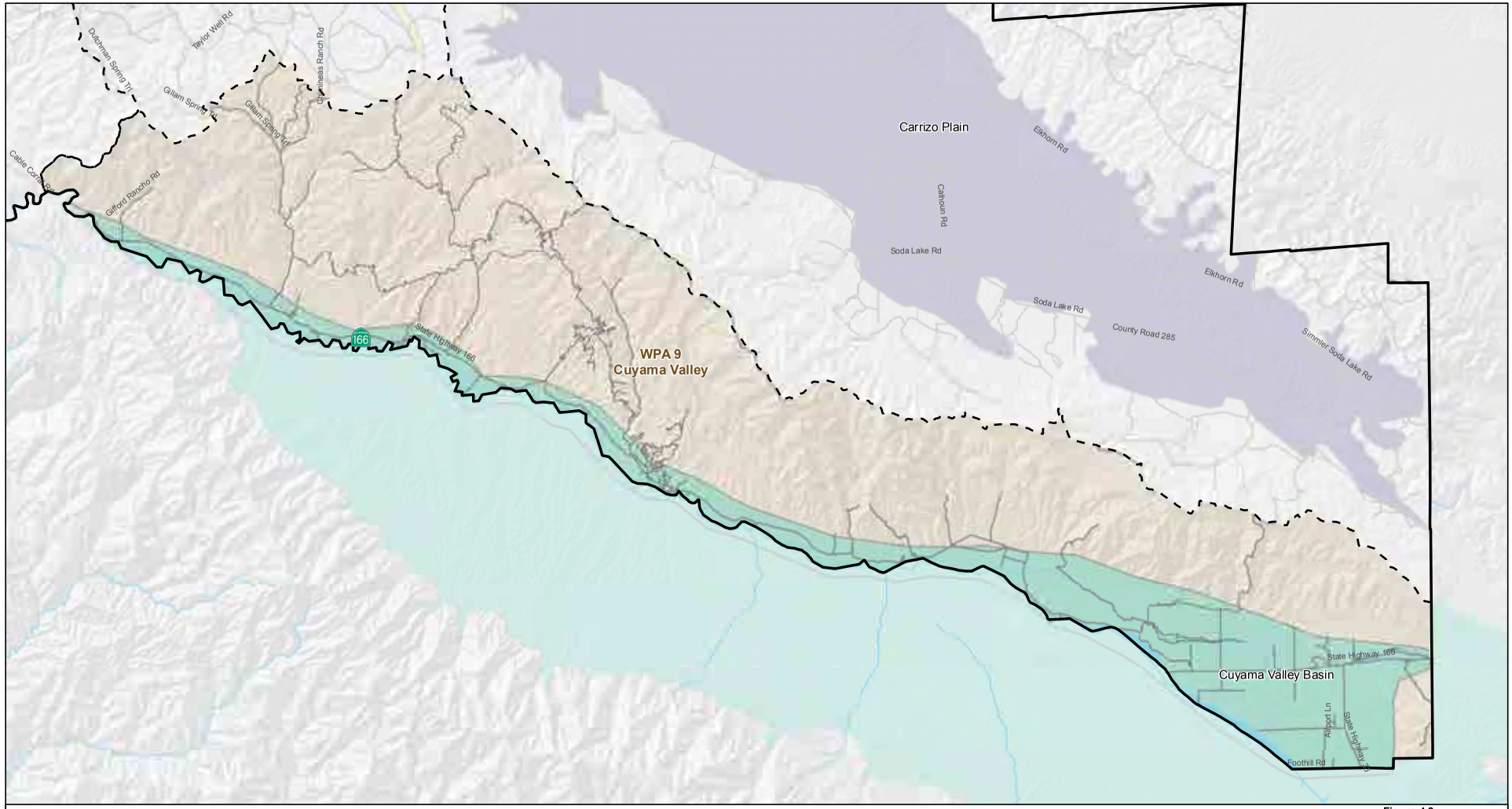
The Cuyama Valley Groundwater Basin is the only groundwater basin in WPA 9.

4.2.2.4.1 *Cuyama Valley Groundwater Basin*

The Cuyama Valley Groundwater Basin is part of the South Coast Sub-Region (Figure 4.9) and encompasses approximately 147,200 acres (230 square miles), of which approximately 32,600 acres (51 square miles) are within San Luis Obispo County. The basin underlies the valley drained by the Cuyama River and is bounded on the north by the Caliente range and on the Southwest by the Sierra Madre Mountains. Cuyama Valley has been designated as Basin 3-13 and includes portions within unincorporated San Luis Obispo County, Santa Barbara County, Kern County, and Ventura County (DWR 2003). Recharge to the basin comes primarily from seepage from Cuyama River, deep percolation of precipitation, and residential/agricultural return flows.

The aquifer consists of alluvial deposits and older terrestrial deposits. The thickness of the alluvium is inferred to be from 150 to 250 feet (DWR 2003 after Upson and Worts 1951). Basin groundwater users in the San Luis Obispo portion of the basin include oil field operators and residential/agricultural overlying users. Perennial yield for the entire basin has been estimated between 9,000 and 13,000 AFY (Upson and Worts, 1951). The long-term potential recharge of the basin was estimated between 12,000-16,000 AFY, with an average of 13,000 AFY year (Singer and Swarzenski, 1970). A safe yield of 10,667 AFY gross (8,000 AFY net consumptive use) was estimated in 1992 (Baca et al., 1992). The most recent compilation of hydrologic budget information presents a groundwater budget in which total groundwater pumpage is 40,592 AFY, resulting in a deficit of 30,532 AFY (Anderson et al., 2009). This hydrologic budget compilation indicates a perennial yield on the order of 10,000 AFY, which is within the range of prior work. There is no separate yield estimate for the San Luis Obispo County portion of the basin.

Water quality within this basin generally deteriorates towards the west end of the basin, where the sediments thin. There is also poor quality water towards the northeast end of the basin at extreme depth. Although groundwater in the Cuyama Valley Groundwater Basin is only of fair chemical quality, it has been used successfully to irrigate most crops. Presumably this has been possible because the sodium content of most of the water is relatively low and the soils are quite permeable (County of Santa Barbara 2005 Groundwater Report; Upson and Worts, 1951; Singer and Swarzenski, 1970).



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme
- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Streets
- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Water Planning Area 9
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
Water Planning Area
Groundwater Basin
URL/VRL
Water Facility
Hydrography

0 1.5 3 Miles

Figure 4.9
San Luis Obispo County
Water Planning Area 9
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

Analyses of water from three public supply wells show an average TDS content of 858 mg/L and a range from 755 to 1,000 mg/L. USGS analyses show TDS content as high as 1,750 mg/L. Because of constant cycling and evaporation of irrigation water in the basin, water quality has been deteriorating (DWR 2003; SBCWA 1996; SBCWA 2001).

Groundwater near the Caliente Range has high salinity. Nitrate content reached 400 mg/L in some shallow wells (DWR 2003; County of Santa Barbara Planning and Development Department, 1994).

Constraints on water availability in the Cuyama Valley Groundwater Basin are primarily physical limitations. The maximum potential yield that can be achieved through lowering water levels to increase natural stream flow seepage and to reduce subsurface outflow have been reached (production has exceeded this value). The County of San Luis Obispo Planning Department has determined that the basin is currently at a Level III severity rating (resource capacity has been met or exceeded) due to historical groundwater level declines and resulting groundwater storage losses.

In 1980, the Cuyama Valley Groundwater Basin was identified by the California Department of Water Resources as one of the eleven basins in “critical condition of overdraft. Although the groundwater basin is experiencing serious hydrologic impacts due to unsustainable groundwater pumping practices, a groundwater management plan for the basin does not exist. Since this basin lies within four counties, future efforts for a county groundwater management plan will likely be difficult (Andersen et al., 2009).

4.2.3 Inland Sub-Region

The Inland sub-region is comprised of seven WPAs, including Carrizo Plain (WPA 10), Rafael/Big Spring (WPA 11), Santa Margarita (WPA 12), Atascadero/Templeton (WPA 13), Salinas/Estrella (WPA 14), Cholame (WPA 15) and Nacimiento (WPA 16) summarized in Table 4.3. A brief description of the basins within each WPA is provided below, with details on groundwater supply aquifers, groundwater users, basin yield, water quality, and water availability.

Table 4.3 Inland Sub-Region Groundwater Basins				
WPA No.	**WPA Name**	**Groundwater Basin Name**	**Sub-basin/ Management Area**	**Estimated Safe Basin Yield (AFY)**
10	Carizzo Plain	Carizzo Plain		8,000-11,000
11	Rafael/Big Spring	Rafael Valley		No estimate available
		Big Spring Area		No estimate available
12	Santa Margarita	Santa Margarita Valley		No basin wide estimate available(1)
		Rinconada Valley		No estimate available
		Pozo Valley		1,000(2)
13	Atascadero/ Templeton	Paso Robles	Atascadero	16,400
14	Salinas/ Estrella	Paso Robles		97,700(3)
15	Cholame	Cholame Valley		No estimate available
16	Nacimiento	(none)		No estimate available

Notes:
1. The average annual yield of the basin in the vicinity of the proposed Santa Margarita Ranch development may be in the range of 400 to 600 AFY.
2. 1958 Department of Water Resources estimate. There has been no subsequent basin study to confirm or update this estimate.
3. Includes 16,400 AFY perennial yield from the Atascadero Groundwater Sub-basin.

4.2.3.1 Carrizo Plain WPA 10

Carrizo Plain is the only groundwater basin in WPA 10.

4.2.3.1.1 *Carrizo Plain Groundwater Basin*

The Carrizo Plain Groundwater Basin is located in WPA 10 (Figure 4.10) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-19 (DWR 2003). The basin is 173,000 acres (270 square miles) in size and is situated between the Temblor

Range to the east and the Caliente Range and San Juan Hills to the west. The basin has internal drainage to Soda Lake.

Groundwater in the basin is found in alluvium, the Paso Robles Formation, and the Morales Formation (DWR 2003). The upper alluvium and Paso Robles Formation deposits are more than 3,000 feet thick in the eastern portion of the basin and decrease in thickness to the west. Recharge to the basin is predominantly from percolation of stream flow and infiltration of precipitation.

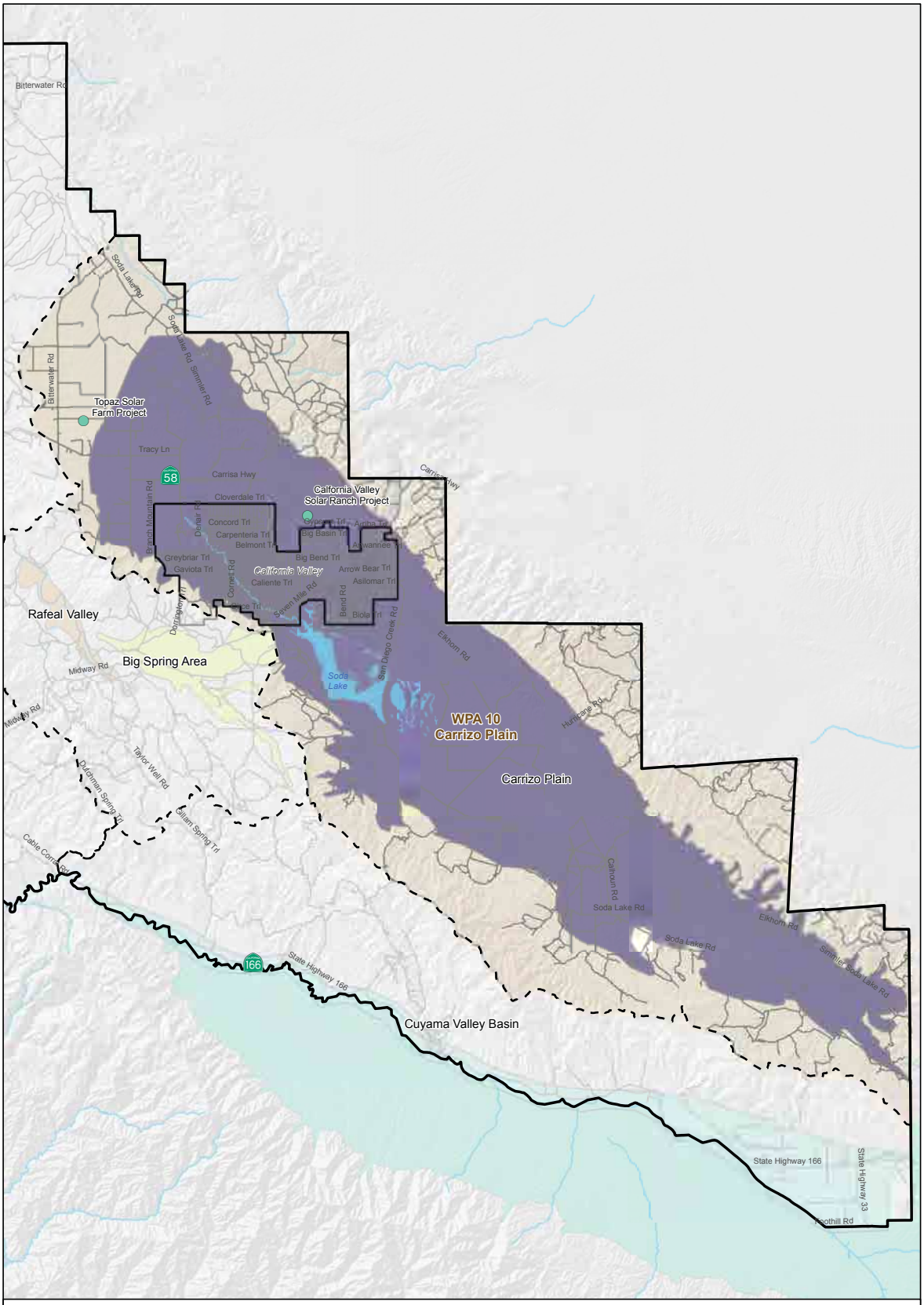
There is one small public water system serving the local school (part of the Atascadero Unified School District). All other pumping in the basin is for agricultural and residential purposes by overlying users. There are two proposed solar farms that will located within this WPA (Topaz Farms 550-MW; SunPower 250-MW).

The safe yield of the basin is estimated to be 600 AFY (DWR 1958). The Kemnitzer safe yield was estimated at 59,000 AFY (based on 1967 inflow/outflow analysis). Taking into consideration the methodologies used in previous studies, current and historical groundwater levels, and water quality, the solar project EIRs' water analyses conclude that a more reasonable safe yield on which to base planning decisions is between 8,000 to 11,000 AFY.

Groundwater samples from 79 wells collected from 1957 to 1985 show total dissolved solids concentration ranging from 161 to 94,750 mg/L (DWR 2003). Groundwater in the lower alluvium and upper Paso Robles Formation that both underlie Soda Lake are highly mineralized. Groundwater deeper in the confined Paso Robles Formation is of higher quality. Groundwater in the Morales Formation is likely brackish.

Constraints on water availability in the basin include physical limitations and water quality issues. The low safe yield estimate of this basin relative to its large size, and the high TDS concentrations in areas (e.g., Soda Lake) suggest that water availability in the region is limited. Other than water quality issues associated with the internal drainage structure of the basin, other constraints are not well defined.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.



Legend

Water Facilities

- WTP
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- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme

- California State Coastal Branch
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- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Solar Projects

- Streets
- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Water Planning Area 10
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:

Water Planning Area

Groundwater Basin

URL/VRL

Water Facility

Hydrography

Miles

0 2.5 5

Figure 4.10
San Luis Obispo County
Water Planning Area 10
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

4.2.3.2 Rafael Valley/Big Spring WPA 11

WPA 11 includes the Rafael Valley and Big Spring Area Groundwater Basins.

4.2.3.2.1 *Rafael Valley Groundwater Basin*

The Rafael Valley Groundwater Basin is located in the Inland Sub-Region (Figure 4.11) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-46 (DWR 2003). The basin underlies the Rafael Valley and is 2,990 acres (4.7 square miles) in size. The Rafael Valley is drained by the Rafael and San Juan creeks.

According to Bulletin 118, the main water-bearing unit in the basin is an alluvial aquifer (DWR 2003). There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users. No information is available describing basin yield or water quality for this basin.

Constraints on water availability in the Rafael Valley Groundwater Basin are primarily based on physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Rafael Valley, the alluvial aquifer also overlies and recharges the underlying consolidated rock formations. Water availability in the consolidated rock reservoirs is highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

Published hydrogeologic information for this basin is very limited. If the District requires more current or detailed information for this basin, new studies would be necessary.

4.2.3.2.2 *Big Spring Area Groundwater Basin*

The Big Spring Area Groundwater Basin is located in the Inland Sub-Region (Figure 4.11) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-47 (DWR 2003). The basin is 7,320 acres (11.4 square miles) in size and underlies a valley that is drained by a tributary to San Juan Creek. According to Bulletin 118, the main water-bearing unit in the basin is Quaternary age alluvium (DWR 2003). No additional information is available describing the basin hydrogeology.

There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users. No information is available describing basin yield or water quality.

Constraints on water availability in this basin are primarily based on physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Big Spring area, the alluvial aquifer also overlies and recharges the underlying consolidated rock formations. Water availability in the consolidated rock reservoirs is highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

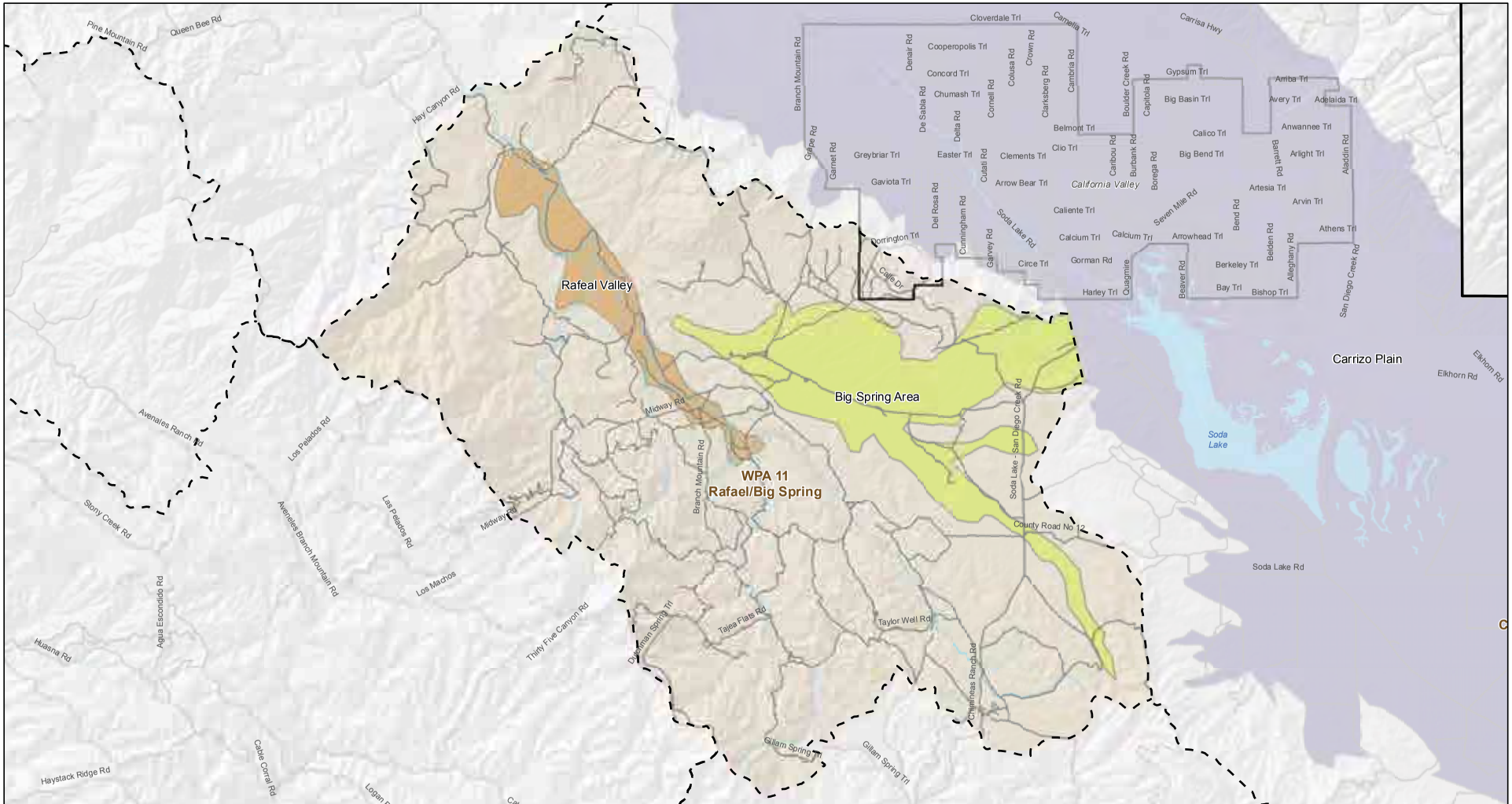


Figure 4.11
San Luis Obispo County
Water Planning Area 11
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

Published hydrogeologic information for this basin is very limited. If the District requires more current or detailed information for this basin, new studies would be necessary.

4.2.3.3 Santa Margarita WPA 12

WPA 12 includes the Santa Margarita Valley, Rinconada Valley, and Pozo Valley Groundwater Basins.

4.2.3.3.1 *Santa Margarita Valley Groundwater Basin*

The Santa Margarita Valley Groundwater Basin is located in the Inland Sub-Region (Figure 4.12). The basin area includes the unincorporated town of Santa Margarita and surrounding rural residences and agricultural fields. The total drainage area associated with the basin consists of four watersheds that collectively drain in the northerly direction into the Salinas River. The major creeks associated with the four watersheds are the Santa Margarita Creek, the Yerba Buena Creek, Trout Creek, and Rinconada Creek.

The basin primarily contains four geologic units and supply aquifers: 1) the Younger Alluvium, 2) Older Alluvium, 3) Paso Robles Formation, and 4) Santa Margarita Formation. The shallow Younger Alluvium and Older Alluvium deposits occur along the active stream channels and along the eastern basin boundary. In particular, alluvial deposits associated with the Santa Margarita Creek extend from the ground surface to a depth of about 50 feet. Relative to the deeper Paso Robles and Santa Margarita Formations, the Younger and Older Alluvium have high hydraulic conductivities.

The deeper Paso Robles Formation ranges in thickness up to 300 to 400 feet. The Paso Robles Formation is found at depths in the range of 400 to 500 feet below ground surface. The Santa Margarita Formation overlies the Monterey Formation, which likely defines the effective base of fresh water in the basin area. The Santa Margarita Formation thickness likely ranges up to 1,000 feet. The Paso Robles and Santa Margarita Formations tapped by wells for water supply purposes are typically located in the Yerba Buena Creek area.

Water users in the Santa Margarita area include the unincorporated town of Santa Margarita and overlying users. Water service for the town of Santa Margarita is provided by County Service Area Number 23 (CSA 23). CSA 23 is owned/governed by the County of San Luis Obispo and is operated/managed by the Department of Public Works. Overlying users include rural residences and agricultural users.

No comprehensive studies to determine the perennial yield of the Santa Margarita Valley Groundwater Basin are known to exist. Based on an evaluation of available data used for the Santa Margarita Ranch (Ranch) Environmental Impact Analysis study, however, Hopkins (2006) indicated that the average annual yield of the basin in the vicinity of the proposed Ranch development may be in the range of 400 to 600 AFY. Although the Santa Margarita Creek alluvial aquifer serves as the primary source of water for the town of Santa Margarita, there is no safe yield estimate for this aquifer.

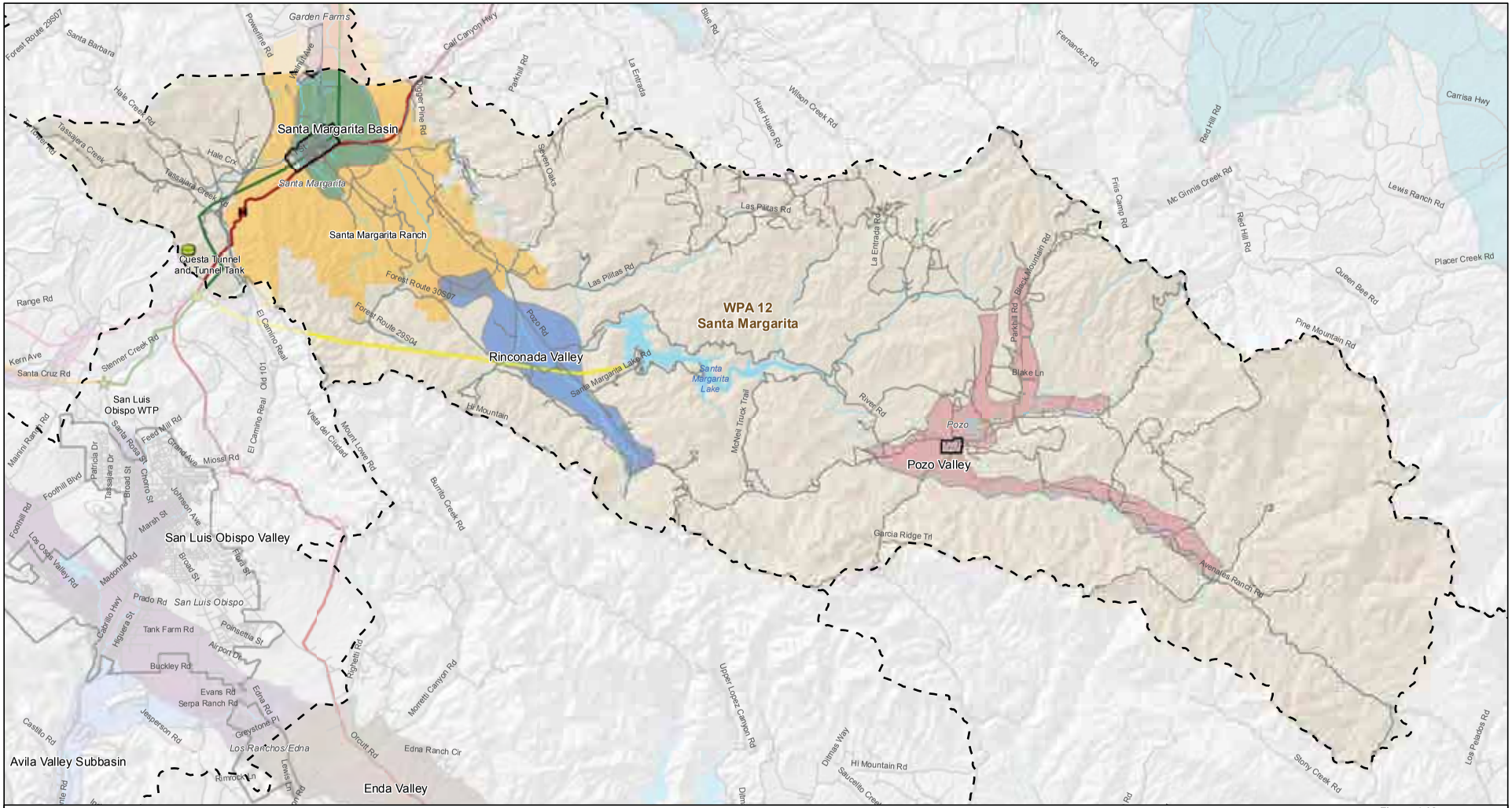


Figure 4.12
San Luis Obispo County
Water Planning Area 12
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

The TDS concentration in wells constructed in the alluvial deposits and in the Santa Margarita Formation were reported to be 400 mg/L and 490 mg/L, respectively (Todd, 2004). Methylene blue active substances (MBAS) is an indicator of soaps and detergents, and is used to detect impacts of onsite wastewater disposal systems (e.g., septic tanks) on groundwater quality. MBAS was detected in two alluvial aquifer wells but not in any Santa Margarita Formation wells (Todd, 2004). Based on a review of available water quality data by Todd (2004), all shallow and deep wells sampled for nitrate have measured concentrations below the maximum contaminant level (MCL) of 45 mg/L. Total coliform, fecal coliform, and Escherichia coli data were reviewed by Todd (2004) and found to be suggestive, although not conclusive, of small impacts on both shallow and deep aquifer wells from local wastewater disposal systems.

The primary constraint on water availability in the basin concerns physical limitations. Although the alluvial aquifer is considered to be highly productive, it is shallow in vertical extent (i.e., 50 feet thick) and therefore highly susceptible to seasonal fluctuations in groundwater levels of about 15 to 20 feet. During dry water years or extended droughts, well yields may be significantly reduced due to low groundwater levels (Todd, 2004). Recharge in the shallow alluvial deposits for a particular year is dependent on rainfall, creek stream flows, and precipitation runoff generated in the four watersheds.

Wells developed in the Santa Margarita Formation generally do not have sufficient yields to reliably replace the wells in the alluvial aquifer. Hydrographs of deep wells indicate that groundwater levels have been trending downward there at least over the last decade (Hopkins, 2006).

4.2.3.3.2 *Rinconada Valley Groundwater Basin*

The Rinconada Valley Groundwater Basin is located in the Inland Sub-Region (Figure 4.12) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-43 (DWR 2003). The basin underlies the Rinconada Valley and is 2,580 acres (4 square miles) in size. The valley is drained by Rinconada Creek, which is tributary to the Salinas River.

There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users. No information is available describing basin yield or water quality in the basin. There is very limited information available for this basin. If the District requires more current or detailed information for this basin, new studies would be necessary.

Constraints on water availability in the Rinconada Valley basin are primarily based on physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Rinconada Valley, the alluvial aquifer also overlies and recharges the underlying rock formations. Water availability in the consolidated rock formations is generally limited and highly variable,

depending on the local structure, available storage capacity, and access to source of recharge.

4.2.3.3.3 *Pozo Valley Groundwater Basin*

The Pozo Valley Groundwater Basin is located in the Inland Sub-Region (Figure 4.12) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-44 (DWR 2003). The basin is 6,840 acres (10.7 square miles) in size and is bounded on all sides by low permeability rocks. The basin is drained by Pozo Creek and the Salinas River, both of which flow into Santa Margarita Lake.

According to Bulletin 118, alluvium is the main water-bearing unit in the basin (DWR 2003). The alluvium is up to 30 feet thick. Basin recharge occurs as percolation of stream flow, percolation of precipitation, and irrigation return flows.

There are some small public water systems in the basin. All other pumping is for residential and agricultural purposes by overlying users. The safe yield in the basin has been reported to be 1,000 AFY (DWR 1958). According to Bulletin 118, groundwater samples from 5 wells in the basin taken from 1951 to 1988 indicate TDS concentrations ranging from 287 to 676 mg/L (DWR 2003).

Constraints on water availability in this basin are physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Pozo Valley, the alluvial aquifer also overlies and recharges the underlying rock formations. Water availability in the consolidated rock reservoirs is generally limited and highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary.

4.2.3.4 <u>Atascadero/Templeton WPA 13</u>

WPA 13 includes the Atascadero Sub-basin of the Paso Robles Groundwater Basin (see WPA 14 for Paso Robles Groundwater Basin description). WPA 13 also includes consolidated rock aquifers that are not a part of, or described by, the Paso Robles Groundwater Basin. No information on the yield and water quality of these aquifer formations is available.

4.2.3.4.1 *Atascadero Groundwater Sub-basin*

The Atascadero Groundwater Sub-basin is located in the Inland Sub-Region (Figure 4.13) and is a sub-basin within the Paso Robles Groundwater Basin. The northern boundary of the sub-basin is approximately the southern end of the City of Paso Robles and the southern sub-basin boundary is located just south of the community of Garden Farms.

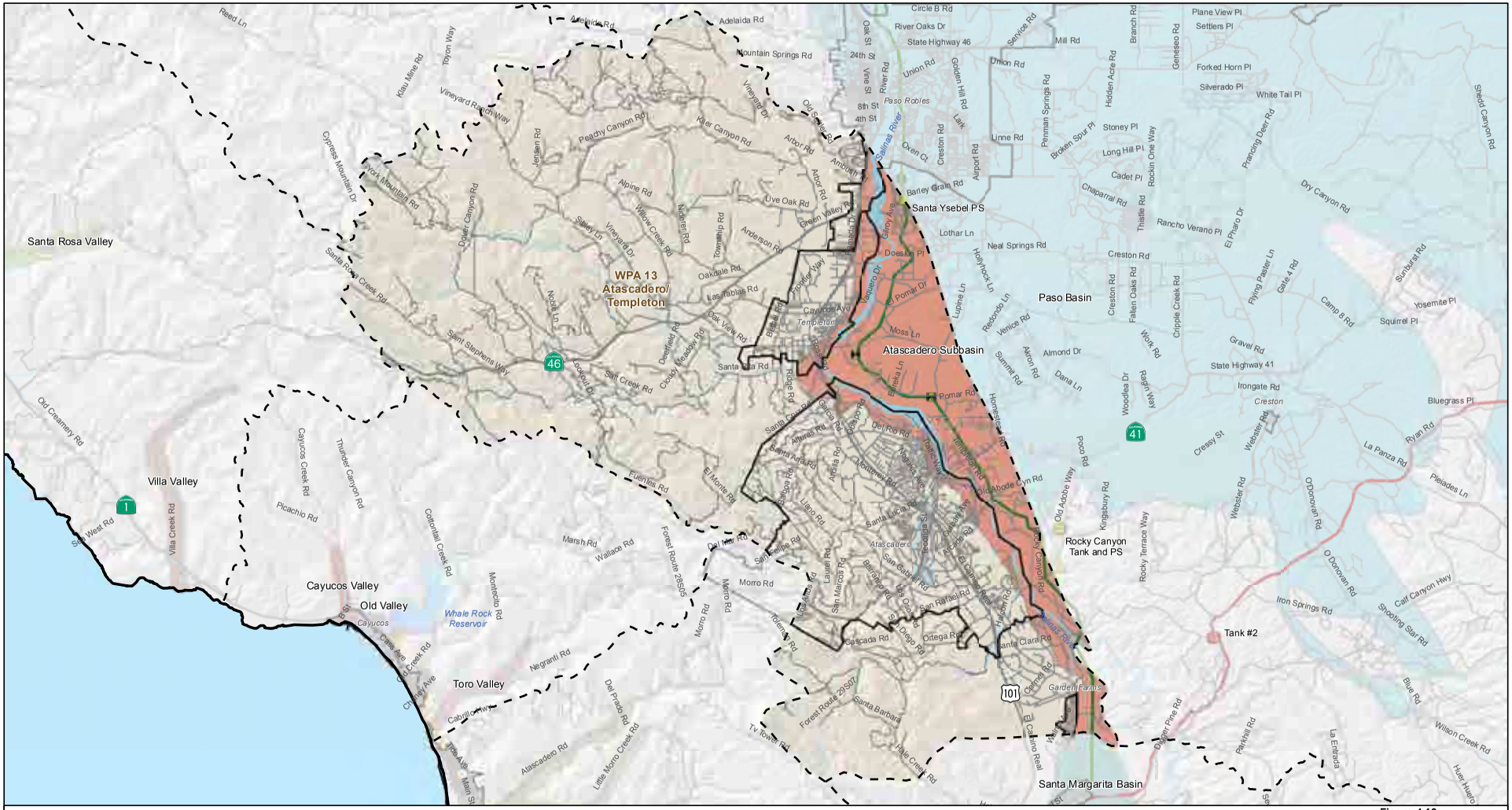


Figure 4.13
San Luis Obispo County
Water Planning Area 13
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

The eastern boundary of the sub-basin is the Rinconada fault. Because the fault displaces the Paso Robles Formation, the hydraulic connection between the aquifer across the Rinconada fault is sufficiently restricted to warrant the classification of this area as a distinct sub-basin. Therefore, the Atascadero Groundwater Sub-basin of the Paso Robles Groundwater Basin is defined as that portion of the basin west of the Rinconada fault.

The Atascadero Groundwater Sub-basin includes the City of Atascadero and the communities of Templeton and Garden Farms. The Salinas River is the major hydrologic feature in the sub-basin. Outflow (primarily surface flow and Salinas River underflow) occurs in the northern direction from the sub-basin into the Estrella subarea of the Paso Robles Groundwater Basin.

Pumping test data from wells in the sub-basin suggest the presence of three aquifer groups with distinctly different hydraulic characteristics: 1) Alluvium along the floodplain of the Salinas River; 2) Paso Robles Formation deposits directly underlying the Salinas River alluvium; and 3) Paso Robles Formation deposits along the east side of the sub-basin that are not directly connected to the younger alluvium.

The Salinas River alluvium is an unconfined aquifer with a high hydraulic conductivity. The thickness of the alluvium ranges widely, with an estimated maximum thickness of 100 feet. Shallow wells up to 100 feet deep are located in the immediate vicinity of the Salinas River along its entire reach, typically tapping the younger alluvium and/or shallow Paso Robles Formation aquifer zones. Approximately half of the total pumping in the sub-basin is from these shallow, alluvial wells.

In the City of Atascadero area, the Paso Robles Formation underlies the younger Salinas River alluvium. Wells in the Paso Robles Formation in hydraulic communication with the overlying river alluvium tend to have higher hydraulic conductivity values when compared to wells that penetrate the portions of the Paso Robles Formation not in contact with the alluvium.

Paso Robles Formation deposits east of the Salinas River comprise the largest portion of the sub-basin. The deepest part of the formation is the area between Templeton and the Rinconada fault. In general, deep wells reach several hundred feet deep and tap the Paso Robles Formation.

The main source of recharge in the alluvium is the Salinas River. Recharge to the Paso Robles Formation occurs from the overlying Salinas River alluvium as well as from overlying channel deposits of the Santa Margarita, Atascadero, Graves, and Paso Robles creeks.

Water users in the basin include municipalities, communities, rural domestic residences, and agricultural users. The major water purveyors are the Atascadero Mutual Water Company (Atascadero MWC), Templeton Community Services District (Templeton CSD), and Garden Farms Mutual Water Company (Garden Farms MWC).

The perennial yield of the sub-basin was estimated to be 16,400 AFY (Fugro, 2002). Evaluation of water quality in the sub-basin is based on historical data from 1970 to 1997 collected and reviewed by Fugro (2002). TDS concentrations measured in wells along the Salinas River alluvium range from 317 to 857 mg/L. TDS concentrations measured in wells in the Paso Robles Formation range from 389 to 975 mg/L (Fugro, 2002). Water quality data from 11 wells and one spring in the sub-basin showed that no concentrations of contaminants exceed their respective MCL values (Fugro, 2002). The 2008 Water Quality Report for both Templeton CSD and Atascadero MWC found that none of the tested regulated and secondary substances in water samples exceeded their MCL values.

Primary constraints on water availability in the sub-basin include water rights and physical limitations. The rights to surface water flows in the Salinas River and associated pumping from the alluvium have been fully appropriated by the State Water Resources Control Board (State Board) and no plans exist to increase these demands beyond the current allocations. Full appropriation implies that no additional rights to the Salinas River flows are being issued by the State Board at this time nor is any additional pumping for existing rights being granted. Therefore, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation.

In terms of physical limitations, Todd (2009) estimated the gross groundwater pumping in the sub-basin during 2006 to be 15,545 AF, which is 95 percent of the sub-basin perennial yield of 16,400 AFY. Ongoing studies may revise the estimated outflow from the sub-basin. According to Fugro (2010), whereas total groundwater in storage in the main part of the Paso Robles Groundwater Basin is predominantly in the Paso Robles Formation, the Salinas River alluvium in the Atascadero Groundwater Sub-basin accounts for a significant percentage of the total groundwater storage in the sub-basin. Pumping from the alluvium should be accounted for separately from pumping from the Paso Robles Formation. Furthermore, Fugro opined that pumping in excess of the perennial yield in the sub-basin may not necessarily be reflected by decreasing groundwater levels in the Paso Robles Formation since significant pumping occurs in the alluvium.

4.2.3.5 Salinas/Estrella WPA 14

WPA 14 includes the Paso Robles Groundwater Basin (except for the Atascadero Sub-basin portion, which was discussed in WPA 13).

4.2.3.5.1 *Paso Robles Groundwater Basin*

The Paso Robles Groundwater Basin is part of the Inland Sub-Region (Figure 4.14). According to California's Groundwater Bulletin 118, the entire Paso Robles Groundwater Basin is located within the greater Salinas Valley Groundwater Basin and is identified as Groundwater Basin Number 3-4.06. The Paso Robles Groundwater Basin is located

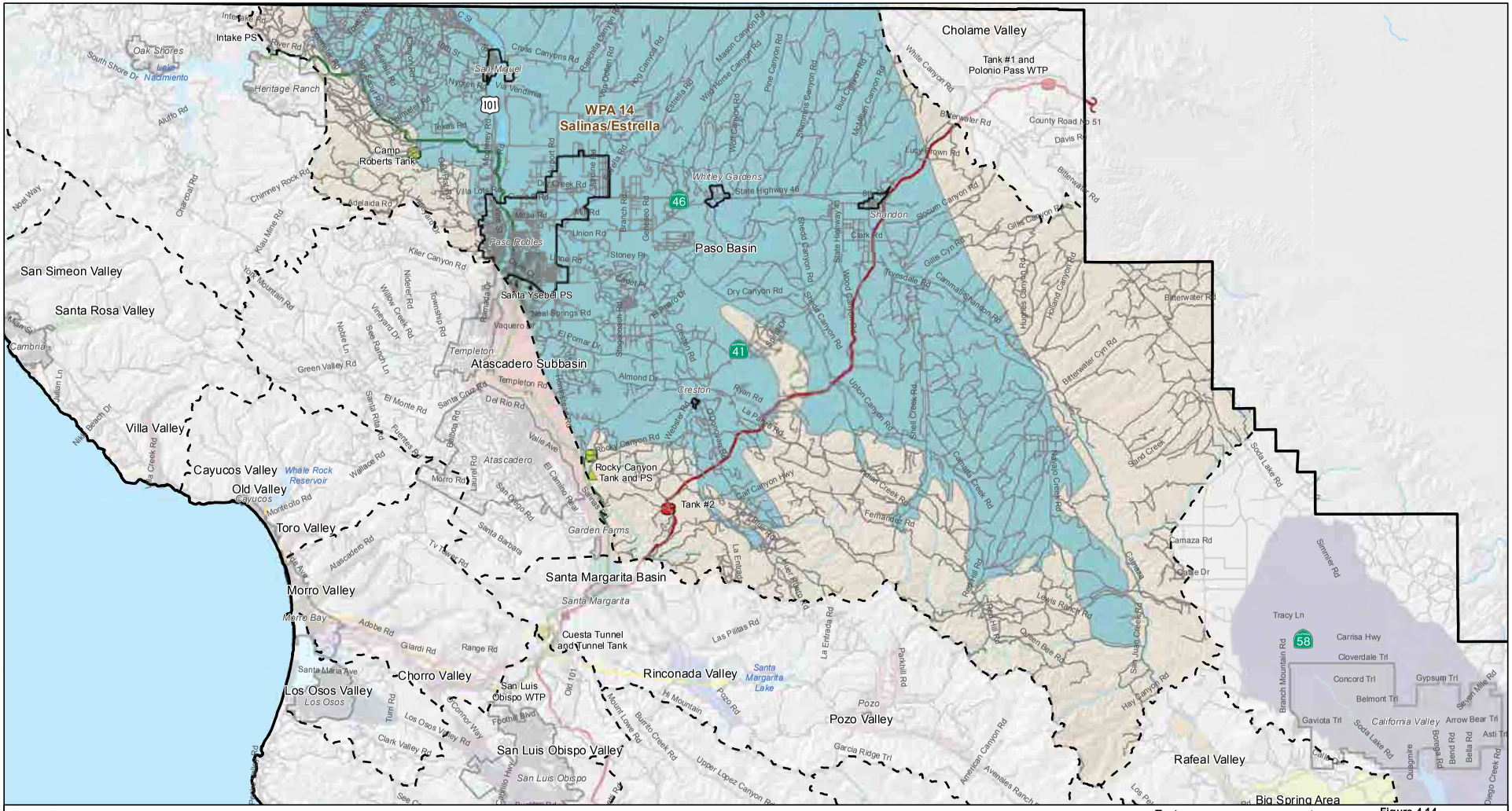


Figure 4.14
San Luis Obispo County
Water Planning Area 14
Master Water Report
San Luis Obispo County Flood Control
and Water Conservation District

in both Monterey and San Luis Obispo counties and is 505,000 acres (790 square miles) in size. Roughly one-third of the areal extent of the Paso Robles Groundwater Basin extends into Monterey County. The basin ranges from the Garden Farms area south of Atascadero to San Ardo in Monterey County, and from the Highway 101 corridor east to Shandon.

In general, the Salinas River, Estrella Creek, San Juan Creek, Huer Huero Creek, and numerous other smaller channels that are tributary to these major rivers and creeks drain the basin. Groundwater in the basin is found in alluvium and in the Paso Robles Formation. In general, the alluvium is mostly unconfined, ranges in depth from 30 to 130 feet below ground surface, and is characterized by relatively high permeability. Most of the alluvium associated with the various rivers and creeks in the basin provide limited supplies of extractable groundwater. The Salinas River, however, is a significant source of groundwater to several municipalities located adjacent to and along its reach as well as a number of overlying users with appropriative or riparian rights. Groundwater in the alluvium is a principal source of recharge to the underlying Paso Robles Formation. The Paso Robles Formation is the most significant source of groundwater in the basin. Recharge to the basin derives from stream percolation of the alluvium underflow, infiltration of precipitation, and deep percolation of applied irrigation and wastewater discharge.

Water users in the basin include municipalities, communities, rural domestic residences, and agricultural users. The major municipal water purveyors include the Atascadero MWC, City of Paso Robles, Templeton CSD, CSA 16-1 (Shandon), and San Miguel Community Services District (San Miguel CSD). The San Luis Obispo County Environmental Health Department also identified 36 small commercial and community water systems that extract groundwater from the basin, including Garden Farms MWC and Green River Mutual Water Company. Overlying users include rural domestic residences and agricultural users.

The perennial yield of the Paso Robles Groundwater Basin (including the Atascadero Groundwater Sub-basin) is estimated to be 97,700 AFY (Fugro, 2005). A review of available data by Fugro (2002) found that groundwater quality in the basin is generally good. Five potential water quality issues, however, were identified (excluding the Atascadero Groundwater Sub-basin):

1. Increasing chlorides in the deep, historically artesian aquifer northeast of Creston
2. Increasing TDS and chlorides near San Miguel
3. Increasing nitrates in the Paso Robles Formation in the area north of Highway 46, between the Salinas River and the Huer Huero Creek;
4. Increasing nitrates in the Paso Robles Formation in the area south of San Miguel
5. Increasing TDS and chlorides in deeper aquifers near the confluence of the Salinas and Nacimiento Rivers

The 2009 Consumer Confidence Report for the City of Paso Robles reported no violations of MCL values for regulated substances and secondary substances in groundwater pumped

by its wells. The 2007 Consumer Confidence Report for the San Miguel CSD reported a measured arsenic concentration of 11 µg/L (MCL for arsenic is 10 µg/L) and a measured barium concentration of 71.5 µg/L (MCL for barium is 2 µg/L). The 2008 Water Quality Report for CSA 16-1 found that none of the tested regulated and secondary substances in water samples exceeded their MCL values.

Primary constraints on water availability in the basin include water rights, water quality, and physical limitations. The rights to surface water flows in the Salinas River and associated pumping from the alluvium have been fully appropriated by the State Board and no future plans exist to increase these demands beyond the current allocations. Therefore, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation. In terms of physical limitations, Todd (2009) estimated the total groundwater pumping in the basin during 2006 to be 88,154 AF, which is 90 percent of the basin perennial yield of 97,700 AFY.

Portions of the Paso Robles Groundwater Basin have experienced significant water level declines over the past 15 to 20 years (Fugro 2002, Fugro 2005, Todd 2007, Todd 2009). The causes of the water level declines include a range of groundwater uses in close proximity, including agricultural irrigation, municipal supply wells, golf course irrigation, and a relatively dense aggregation of rural ("ranchette") users. The County Board of Supervisors has certified a Level of Severity III for the main Basin and a Level of Severity I for the Atascadero Sub-basin based on findings in the 2009 Resource Capacity Study and an updated pumping analysis for the basin. As a result of the certification, certain land use and monitoring actions will be implemented by the County.

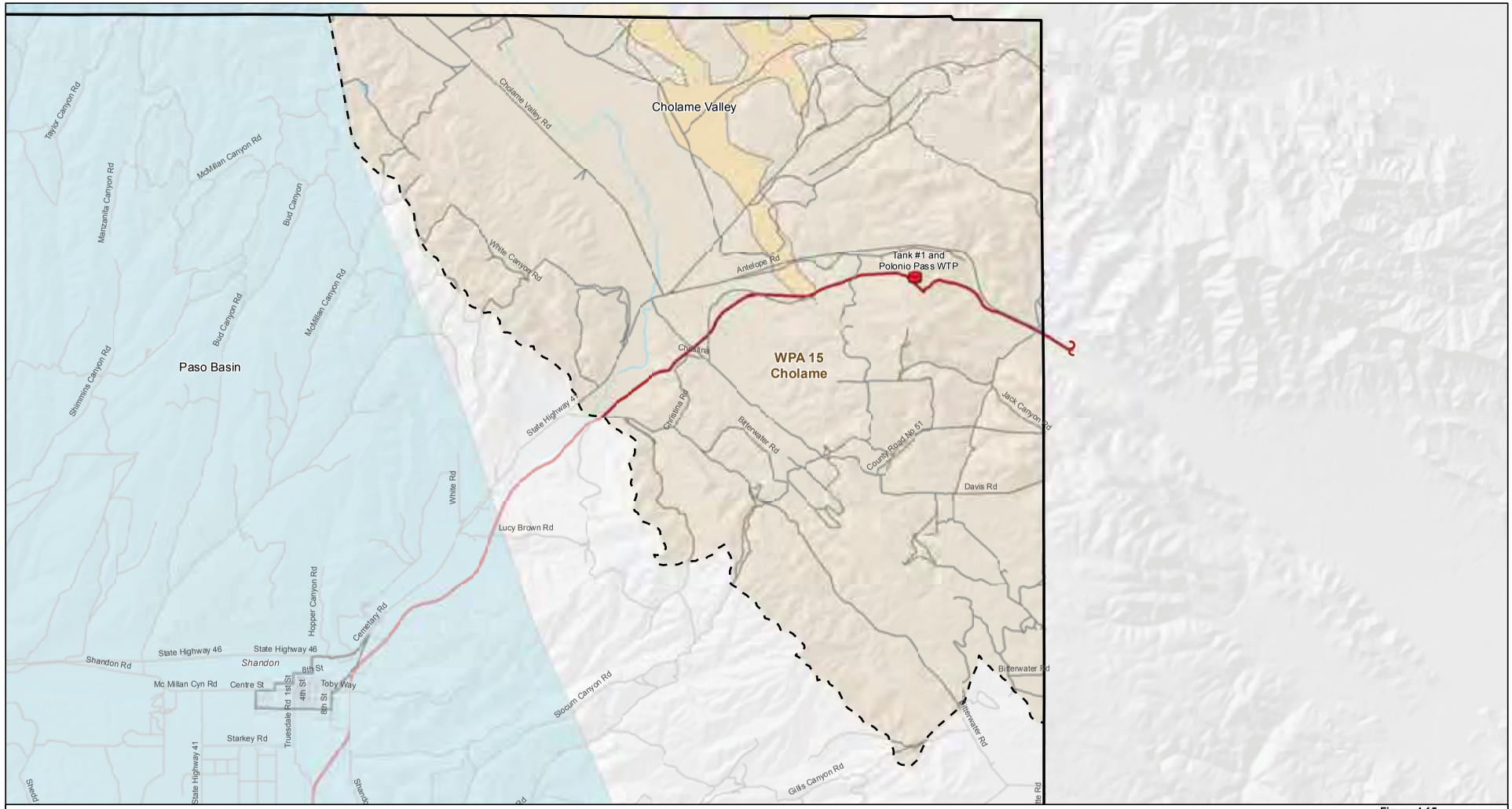
4.2.3.6 Cholame Valley WPA 15

Cholame Valley is the only groundwater basin in WPA 15.

4.2.3.6.1 *Cholame Valley Groundwater Basin*

The Cholame Valley Groundwater Basin is located in the Inland sub-region (Figure 15) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-5 (DWR 2003). The basin is located in both Monterey and San Luis Obispo counties and is 39,800 acres (62 square miles) in size. The basin is comprised of alluvium and is bounded in the southwest by the Paso Robles Formation. The valley is drained by Cholame Creek. The depths of the wells in this area ranged from 100 to 665 feet. Most wells were located on the fringe of the basin in the upper canyon areas and are used primarily for domestic water supply.

There are some small public water systems in the San Luis Obispo County portion of the basin. All other pumping is for residential and agricultural purposes by overlying users. No



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme
- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Streets
- Major Rivers/Streams
- Urban Reserve and Village Reserve Lines (URL/VRL)
- Water Planning Area 15
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
Water Planning Area
Groundwater Basin
URL/VRL
Water Facility
Hydrography

0 1 2 Miles

Figure 4.15
San Luis Obispo County
Water Planning Area 15
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

information is available describing basin yield. Very limited groundwater quality information has been published or described. Water quality data from non-specific sites indicate generally high concentrations of TDS, chlorides, sulfates, and boron (Chipping, et al., 1993). Constraints on water availability in this basin include physical limitations and water quality.

Published hydrogeologic information for this basin is limited. If the District requires more current or detailed information for this basin, new studies would be necessary.

4.2.3.7 Nacimiento WPA 16

There are no significant groundwater basins in WPA 16 (Figure 4.16). Public water systems such as Heritage Ranch Community Services District and the Nacimiento Water Company draw water from wells that rely on Nacimiento reservoir surface water or surface water releases.

4.2.4 OTHER GROUNDWATER SUPPLY SOURCES

The groundwater basins described above comprise most of the groundwater supply sources in San Luis Obispo County. There are other areas, however, where groundwater wells tap fractured rock aquifers or other non-basin sources. Water resources in some of these areas have been studied on a multiple-parcel basis for specific planning issues or for small public water systems, but in most cases hydrogeologic data is only generated when a new well is drilled or a property is sold. Generally, available information is limited to specific wells; formation-wide data related to aquifer yield, water quality, or water availability is not available.

Table 4.4 lists some of the more developed supply sources of the County that are outside of groundwater basins discussed above. If the District requires more detailed information, focused studies would be necessary.

Table 4.4 Other Developed Supply Sources

Sub-Region	Area
North Coast	Villa/Cayucos/Old/Willow/Toro Creek Roads
Inland	Nacimiento/San Antonio Lakes
Inland	Adelaida
Inland	Park Hill
Inland	Templeton Hills
South Coast	San Luis Hills/Oak Park
South Coast	Nipomo Valley/Los Berros/Tematte Ridge

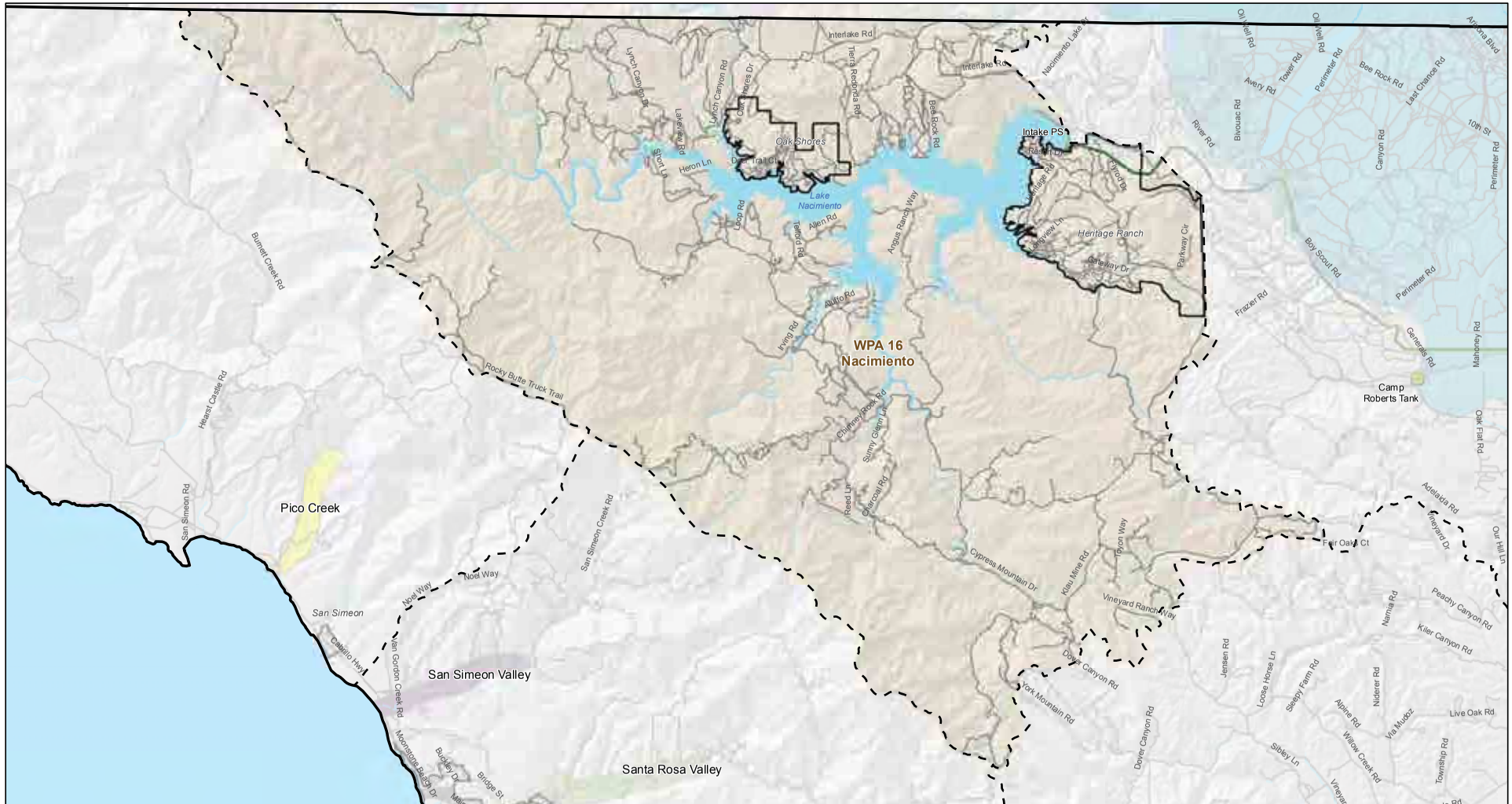


Figure 4.16
San Luis Obispo County
Water Planning Area 16
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

4.3 OVERVIEW OF SURFACE WATER SUPPLY

The information presented below was extracted from Technical Memorandum Number 3, Water Supply Inventory and Assessment – Water Supply, Demand and Water Quality, prepared by Wallace Group in association with Fugro West, Inc. and Cleath-Harris Geologists. For more detailed discussion on this information, please refer to **Appendix C**.

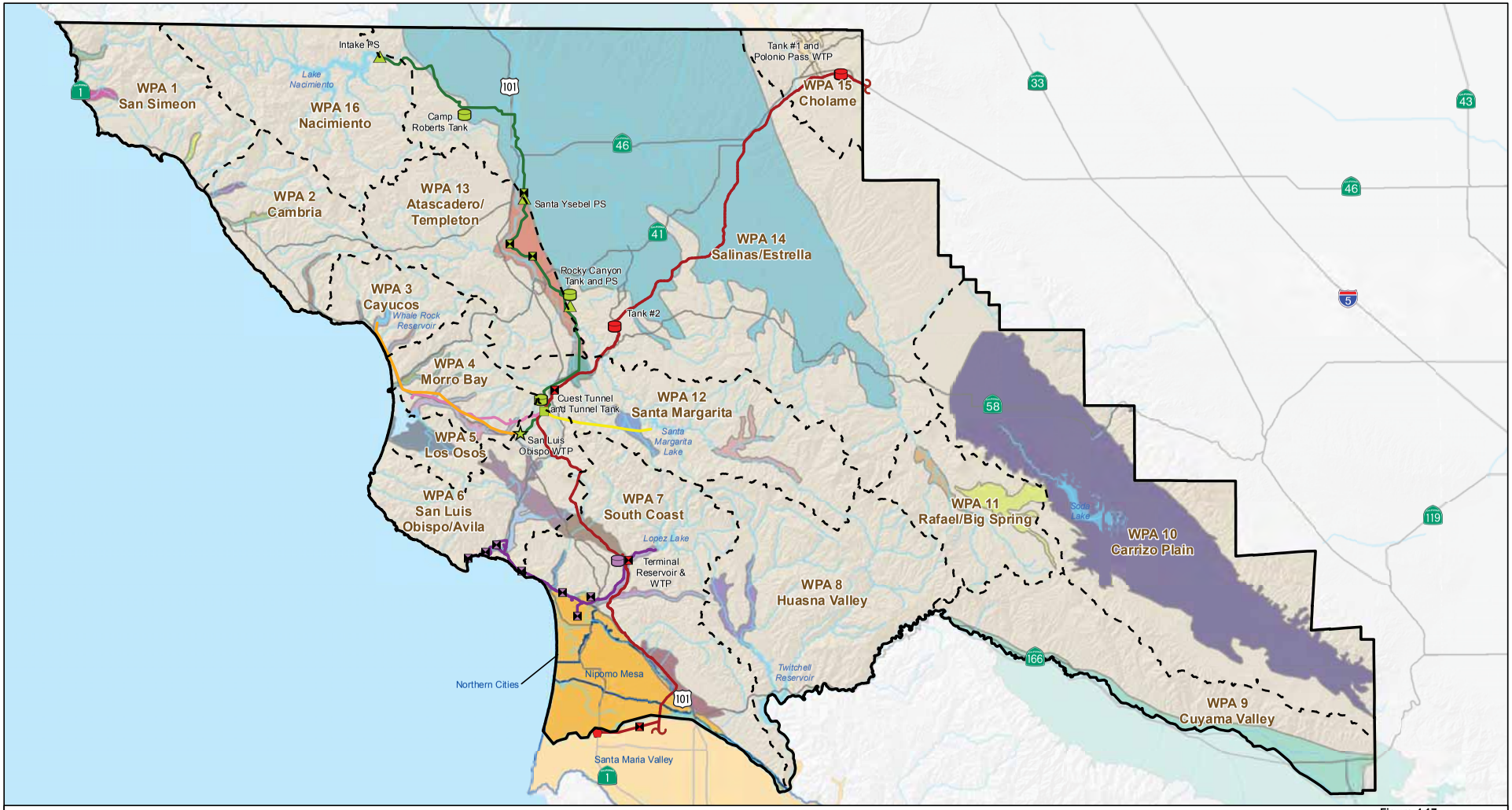
Water is drawn from a number of surface sources, both inside and outside of the County. This section describes the reservoirs that are used as water supply sources within the County. Allocations and key user agreements are described for each water source. Figure 4.17 shows the location of the transmission systems for these sources.

4.3.1 State Water Project

The California Department of Water Resources (DWR) owns and operates the State Water Project (SWP). In 1963 the District contracted with DWR for 25,000 AFY of State Water. The SWP began delivering water to the Central Coast in 1997 upon completion of the Coastal Branch conveyance and treatment facilities, serving Santa Barbara and San Luis Obispo Counties.

The treatment facility for State Water delivered through the Coastal Branch, known as the Polonio Pass Water Treatment Plant (PPWTP), is owned, operated and maintained by the Central Coast Water Authority (CCWA) for users in San Luis Obispo and Santa Barbara Counties. DWR owns the Coastal Branch transmission system, and they operate and maintain the raw water portion of the system. CCWA operates and maintains the treated water portion of the Coastal Branch. Agreements between CCWA, Santa Barbara County Flood Control and Water Conservation District and DWR are in place to establish these roles and relationships.

In San Luis Obispo County, decisions were made in the early 1990s by local municipalities and water purveyors that led to Water Service Amount (WSA) requests for portions of the District's allocation of State Water. After extensive policy discussions regarding the use of State Water, the District entered into Water Supply Agreements with the agencies identified in Table 4.5. Master Water Treatment and Coastal Branch construction agreements with CCWA were also approved for treatment of 4,830 AFY of State Water, the cumulative total of WSA requests.



Legend

Water Facilities
- WTP
- Reservoir/Tank and/or WTP
- Local Facility
- Pump Station
- Turnout
- Tunnel Unit
- Water Transmission Line

Color Scheme
- California State Coastal Branch
- Lopez Water System
- Lake Nacimiento Water Project
- Salinas Reservoir System
- Whale Rock Reservoir System
- Chorro Valley Pipeline
- Highways
- Major Rivers/Streams
- Management Areas
- Water Planning Area
- Water Planning Area Boundary
- Groundwater Basins
- Waterbodies

Text:
- **Water Planning Area**
- Water Facility
- Management Area
- *Hydrography*

Miles 0 5 10

Figure 4.17
San Luis Obispo County Water Planning Areas
Master Water Report
San Luis Obispo County Flood Control and Water Conservation District

The SWP is considered a supplementary source of water supply since hydrologic variability, maintenance schedules, and repair requirements can cause reduced deliveries or complete shut down of the delivery system. Since delivery to the Central Coast began, the SWP has provided between 50 and 100 percent of the contracted allocations, but recently, drought coupled with pumping restrictions in consideration of endangered species habitat lowered that amount to 35 percent in 2008 and 40 percent in 2009. To receive a greater portion of State Water during these shortages (up to their full WSAs), most agencies have entered into "Drought Buffer Water Agreements" with the District for use of an additional portion of the District's SWP allocation, as shown in Table 4.5. For example, when the SWP can only deliver 50 percent of contracted allocations, an agency with 100 AFY WSA and 100 AFY drought buffer allocation can still receive 100 AFY WSA – 50 percent of their 100 AFY allocation plus 50 percent of their 100 AFY drought buffer allocation equals 100 AFY.

Table 4.5 also illustrates that the District has 15,273 AFY of unsubscribed SWP allocation (District allocation (25,000 AFY) minus Total Reserved (9,727 AFY) equals 15,273 AFY), commonly referred to as the "excess allocation." Hydraulics, treatment plant capacity, and contractual terms and conditions limit how the excess allocation can be used. The District is currently evaluating the available hydraulic capacity in the treated water portion of the Coastal Branch.

The following is a list of options for use of this excess allocation that will be explored further in this MWR:

- Direct delivery after contract-revision negotiation for use of any additional capacity available in the Coastal Branch treatment and conveyance facilities;
- As additional drought buffer water;
- Permanent, multi-year or single year transfer or exchange; and/or
- As a source of either groundwater recharge or surface storage.

Table 4.5 not only lists the WSA, drought buffer, and total reserve allocations for the District, but it also provides the average, maximum and minimum allocations based on the range of deliveries presented in Table 6.13 from the State Water Project Delivery Reliability Report 2007. The minimum, average, and maximum deliveries were 6, 66, and 100 percent of the maximum SWP Table A allocations, respectively. For long-term planning, it is assumed that SWP contractors will receive 66 percent of the maximum allocation in a given year.

Table 4.5 State Water Project Water Service Amount

Contractor	WSA	Drought Buffer	Total Reserved	6 percent Allocation Year (1977)[1]	66-69% Allocation Year[1]	100% Allocation Year[1]	WPA
Chorro Valley Turnout							
Morro Bay, City of	1,313	2,290	3,603	216	1,313	1,313	4
California Men's Colony	400	400	800	48	400	400	4
County Operations Center	425	425	850	51	425	425	4
Cuesta College	200	200	400	24	200	200	4
Subtotal	**2,338**	**3,315**	**5,653**	**339**	**2,338**	**2,338**	
Lopez Turnout							
Pismo Beach, City of	1,240	1,240	2,480	149	1,240	1,240	7
Oceano CSD	750	0	750	45	495	750	7
San Miguelito MWC	275	275	550	33	275	275	6
Avila Beach CSD	100	0	100	6	66	100	6
Avila Valley MWC	20	60	80	5	20	20	6
San Luis Coastal USD	7	7	14	1	7	7	6
Subtotal	**2,392**	**1,582**	**3,974**	**238**	**2,403**	**2,392**	
Shandon	100	0	100	6	66	100	14
Subtotal	**100**	**0**	**100**	**6**	**66**	**100**	
Total	**4,830**	**4,897**	**9,727**	**584**	**4,507**	**4,830**	

Notes:
1. Minimum, average, and maximum allocations established in the State Water Project Delivery Reliability Report 2007 (August 2008), page 51, Table 6.13. This study used 66 percent for the average allocation year.

Many factors will affect future SWP deliveries to the District and SWP subcontractors within the County, including Delta pumping restrictions and climate change. Estimating the delivery reliability of the SWP depends on many issues, including possible future regulatory standards in the Delta, population growth, water conservation and recycled efforts, drought buffer purchases, and water transfers. DWR published the State Water Project Delivery Reliability Report 2007 (August 2008). The report estimates future (2027) SWP delivery reliability and incorporates the 2007 federal court ruling for Delta pumping and potential impacts of future climate change. When compared to previous reliability reports, total

annual deliveries for 2027 show decreases in deliveries in most years if no actions are taken to address the factors causing the decrease in availability. It is important to recognize that actions to re-establish reliability are being evaluated by DWR State Water Contractors, and other State and Federal agencies. Future actions may include new environmental efforts as well as infrastructure improvements envisioned when the SWP was originally scoped in the 1960s.

Table 6.13 from the 2007 DWR reliability report contains the average, maximum, and minimum estimates of SWP Table A deliveries from the Delta under future conditions. Table 6.13 shows that average SWP delivery amounts may decrease from 8 to 11 percent of maximum SWP Table A amounts as compared to average SWP delivery amount estimates from previous reliability studies. In the 2005 DWR reliability report, delivery amounts were projected to be 77 percent of maximum SWP Table A amounts on average. The 2007 DWR reliability report projects delivery amounts to be 66 – 69 percent of maximum SWP Table A amounts on average. The decrease in deliveries is primarily due to flow targets related to Delta smelt, which reduces the amount of Delta water available for export by the SWP and the assumed hydrologic changes associated with climate change.

4.3.2 Nacimiento Water Project

The Monterey County Flood Control and Water Conservation District (now known as the Monterey County Water Resources Agency (MCWRA)) constructed the Nacimiento Dam in 1957. The dam and reservoir continue to be operated by MCWRA. The lake has a capacity of 377,900 acre-feet (AF) and a surface area of 5,727 acres. Water is collected from a 365 square mile watershed that is comprised of grazing lands and rugged wilderness.

In 1959, the District secured the rights to 17,500 AFY from Lake Nacimiento, with 1,750 AFY reserved for lakeside users and the Heritage Ranch Community Services District (Heritage Ranch CSD). After a long series of studies and negotiations, the Nacimiento Water Project (NWP) was initiated. The NWP is the single largest project that the District has ever undertaken. The total project cost, including design, construction, construction management, environmental permitting, and right-of-way, is approximately $176 million. Water deliveries have recently begun. The project will deliver raw lake water from Lake Nacimiento to communities within San Luis Obispo County. Participating entities and their contracted water amounts are listed in Table 4.6.

Table 4.6 Nacimiento Water Project Participants	
Participants	**Allocations (AFY)**
City of Paso Robles	4,000
Templeton CSD	250
City of San Luis Obispo	3,380
Atascadero Mutual Water Company	2,000
CSA 10 A (via exchange)[1]	25
Total	**9,655**

Notes:
1. See Whale Rock Reservoir Operating Agreements.

Though the participants have contracted for 9,655 AFY, the northern portions of the pipeline and appurtenances have been designed for the maximum allowable withdrawal amount of 15,750 AFY. Decreasing percentages of excess capacity are also designed into the southern reaches of the project. It is expected that additional allocations will be purchased in the future by existing participants or other entities. The mechanism by which the participation requests of other entities are considered varies depending on whether or not the entity was a part of the Environmental Impact Report (EIR). If the entity was a part of the EIR, it can proceed directly to the District Board of Supervisors for consideration. If it was not a part of the original EIR, it must consult with the Nacimiento Project Commission and obtain written support from existing participants that represent at least 55 percent of existing subscription amounts before proceeding to the District Board of Supervisors for consideration.

4.3.3 Whale Rock Reservoir

Whale Rock Reservoir is located on Old Creek Road approximately one-half mile east of the community of Cayucos. The State Department of Water Resources supervised the project's planning, design, and construction. Construction took place between October 1958 and April 1961. The reservoir is jointly owned by the City of San Luis Obispo, the California Men's Colony, and Cal Poly. These three agencies, with the addition of a representative from the Department of Water Resources, form the Whale Rock Commission, which is responsible for operational policy and administration of the reservoir and related facilities. Day-to-day operation is provided by the City of San Luis Obispo.

Whale Rock reservoir is formed by an earthen dam and was able to store an estimated 40,662 acre-feet of water at the time of construction. The calculation of the yield available is coordinated with Salinas Reservoir using a safe annual yield computer model. The model

also evaluates the effect of siltation. The Whale Rock Commission has budgeted for a siltation study to be undertaken in the near future.

Table 4.7 summarizes the current capacity rights for the joint right-holders (downstream water rights are accounted for separately). Each rights-holder manages reservoir withdrawals individually from their available water storage allocation. The Whale Rock Commission tracks withdrawals and reports available volume on a monthly basis.

Table 4.7 Whale Rock Reservoir Allocations

Water Users	Percent	Allocations (Acre-Feet)
City of San Luis Obispo	55.05	22,383
Cal Poly	33.71	13,707
California Men's Colony	11.24	4,570
Total	**100**	**40,660**

4.3.3.1 Operating Agreements

Several agreements establish policy for the operation of the Whale Rock system and actions of the member agencies. A brief description of the existing agreements that affect water delivery agreements and water rights are summarized below. Additional agreements are included in the Water Supply Inventory and Assessment Technical Memorandum in Appendix C.

A) Agreement for the construction and operation of the Whale Rock Project, 1957, set forth the project's capital cost distribution to the member agencies.

B) A supplemental operating agreement, 1960, established the Whale Rock Commission and apportioned the operating costs.

C) Downstream water rights agreement (the original 1958 agreement was amended in April 1996) defining water entitlements for adjacent and downstream water users. The Cayucos Area Water Organization (CAWO) affected by this agreement consists of three public water purveyors and the cemetery, all in the Cayucos area. In addition to the agencies, water entitlements were identified for two separate downstream land owners. Entitlements are as follows:

Table 4.8 Whale Rock Downstream Entitlements	
Water Users	**Downstream Water Entitlements (AFY)**
Cayucos Area Water Organization(CAWO)[1]	
Paso Robles Beach Water Association	222
Morro Rock Mutual Water Company	170
County Service Area 10A	190
Cayucos-Morro Bay Cemetery District	18
Mainini Ranch (Landowner)[2]	50
Ogle (Landowner)[2]	14
Total Downstream Entitlement	**664**

Notes:
1. The referenced agreement in Item C) above establishes the amount of 600 AFY to CAWO. The allocations to the CAWO members are part of an internal agreement amongst the members.
2. The agencies generally receive their entitlements via pipeline from the reservoir, while the land owners' entitlement is released from the reservoir.

D) An agreement for water allocation and operational policy between the agencies forming the Whale Rock Commission. The agreement established the accounting procedures to allow each agency to carry over excess or deficit water each year.

E) An agreement between the Whale Rock Commission and the California Men's Colony, 1990, to establish maintenance and operation criteria for the Chorro Booster pumps. The Commission installed the Chorro Booster pumps on the California Men's Colony turnout from the Whale Rock line to reduce system pressures required to provide full flow to the California Men's Colony water treatment plant. Pump and pump station maintenance, per the agreement, are the responsibility of the California Men's Colony.

F) An agreement between the Whale Rock Commission and the County of San Luis Obispo for connection to the Whale Rock pipeline, 1995, allowed a pipeline connection to deliver water to the Dairy Creek Golf Course. Typically, the golf course uses recycled water from the California Men's Colony. Under the terms of the agreement, water from Whale Rock Reservoir can be delivered when recycled water is not available.

G) Consent to common use agreement, 1996, between the Whale Rock Commission and the County of San Luis Obispo. The agreement allowed the installation of the State Water pipeline at seven locations within the existing Whale Rock pipeline easement.

H) A mutual aid agreement between the Whale Rock Commission and the City of Morro Bay, 2000, relative to water resources in the event of an emergency.

I) An exchange agreement, 2005, between CSA 10A and the City of San Luis Obispo allowing the delivery of up to 90 AFY of the City's Whale Rock water allocation to CSA 10A in exchange for CSA 10A's purchase of an equivalent amount of Nacimiento Water for delivery to the City. The anticipated need for CSA 10A is 25 AFY at build-out.

4.3.4 Lopez Lake/Reservoir

The District completed the Lopez Dam in 1968 to provide a reliable water supply for agricultural and municipal needs as well as flood protection for coastal communities. Lopez Reservoir has a capacity of 49,388 AF. The lake covers 950 acres and has 22 miles of oak covered shoreline. Allocations for Lopez Lake water are based on a percentage of the safe yield of the reservoir, which is 8,730 AFY. Of that amount, 4,530 AFY are for pipeline deliveries and 4,200 AFY are reserved for downstream releases. The dam, terminal reservoir, treatment and conveyance facilities are a part of Flood Control Zone 3 (Zone 3).

The agencies that contract for Lopez water in Zone 3 include the communities of Oceano, Grover Beach, Pismo Beach, Arroyo Grande, and County Service Area (CSA) 12 (including the Avila Beach area). Their allocations are shown in Table 4.9.

Table 4.9 Lopez Lake Allocations

Water Users	Allocation (AFY)
City of Pismo Beach	896
Oceano CSD	303
City of Grover Beach	800
City of Arroyo Grande	2,290
CSA 12	241
Total	**4,530**

Two issues could change the amount of water available to contractors and the safe yield. The Arroyo Grande Habitat Conservation Plan, which is currently being developed, will likely require additional downstream releases. An interim downstream release schedule has reduced the amount of water available to municipalities. Changes in operation of the dam are being considered for reducing spills and optimizing future deliveries. Additionally, the City of Pismo Beach, on behalf of the Zone 3 agencies, has taken the lead on conducting a study to consider the feasibility of modifying the dam to augment capacity of the reservoir.

4.3.5 Santa Margarita Lake/Salinas Reservoir

The Salinas Dam was built in 1941 by the War Department to supply water to Camp San Luis Obispo and, secondarily, to meet the water needs of the City of San Luis Obispo. The Salinas Reservoir (Santa Margarita Lake) captures water from a 112 square mile watershed and can currently store up to 23,843 acre-feet (AF). In 1947, the Salinas Dam and delivery system was transferred from the regular Army to the U.S. Army Corps of Engineers. Shortly thereafter, the District began operating this water supply for the City under a lease from the U.S. Army Corps of Engineers. Water from the reservoir is pumped through the Cuesta Tunnel (a one-mile long tunnel through the mountains of the Cuesta Ridge) and then flows by gravity to the City's Water Treatment Plant on Stenner Creek Road. Transfer of dam ownership to the District from the U.S Army Corps of Engineers is under consideration.

The original design of the dam included spillway gates that would have increased capacity to an estimated 45,000 AF, and an increase in safe annual yield of 1,650 AFY. Though these gates were not installed due to safety concerns, recent studies have shown that gates could be installed in conjunction with structural improvements to the dam. With its participation in the Nacimiento Water Project, the City has concluded that plans for expansion of the Salinas Reservoir should be put on hold. However, the City has requested to secure the license on the water rights to expand the reservoir's capacity.

The calculation of the yield available is coordinated with Whale Rock Reservoir using a safe annual yield computer model. The City's combined safe yield of the two reservoirs was 6,950 AFY in 2009. The model also accounts for the reduction in storage due to siltation.

4.3.6 Chorro Reservoir

(Information for this section was taken from an interview with John Kellerman, the Plant Manager at the California Men's Colony and from the 2003 Chorro Valley Study).

The Chorro Reservoir is less than one mile northeast of the California Men's Colony in the upper Chorro watershed. The Chorro Reservoir is part of the Chorro Valley Water System operated by CMC. The system provides storage, treatment and distribution to four major users:

- The California Men's Colony
- Camp San Luis Obispo (California National Guard)
- County Operations Center/Office of Education
- Cuesta Community College (Cuesta College)

The reservoir and treatment plant were constructed by the U.S. Army Corps of Engineers to provide water to Camp San Luis Obispo at the beginning of World War II. The net storage capacity of the Chorro Reservoir has decreased since it was constructed due to siltation, and was estimated to be 105 AF, based on a study prepared by DWR in 1989. More recent studies indicate that the capacity is currently closer to 90 acre-feet. Safe annual yield is

considered to be 140 AFY, as the watershed provides more than can be stored in the reservoir, even in drought years. It is worth noting that water demand at Camp San Luis Obispo, both during the war and subsequently, has been met almost exclusively through surface flows to the reservoir from the Chorro watershed and from groundwater wells on the Camp property. Although the Salinas Reservoir waterline was extended from the Cuesta Water Tunnel to the Chorro Reservoir as part of the original improvements in World War II, the pipeline has only been used to convey water from the Salinas Reservoir to the Camp twice since construction.

Camp San Luis Obispo has priority rights to water from Chorro Reservoir, with 140 AFY of entitlement. CMC has right to any excess. The Mainini Ranch has an agreement with the Camp for a delivery of up to 25 AFY, but has only used an average of 5 to 7 AFY over the past decade. For further discussion on agreements related to the Chorro Reservoir, see the description of the Chorro Valley Water System in the Water Planning Area Number 4 discussion below.

4.4 OTHER WATER SUPPLY SOURCES

4.4.1 Twitchell Reservoir

Twitchell Dam is on the Cuyama River about 6 miles upstream from its junction with the Sisquoc River. Though the dam is located in Santa Barbara County and operated by the Santa Maria Valley Water Conservation District (SMVWCD), the reservoir straddles the county line and some agricultural land within San Luis Obispo County is irrigated from the Santa Maria Groundwater Basin replenished by the reservoir. The multiple-purpose Twitchell Reservoir has a total capacity of 224,300 AF. It stores floodwaters of the Cuyama River, which are released as needed to recharge the groundwater basin and to prevent sea water intrusion. The reservoir supplies on average 32,000 AFY of recharge to the Santa Maria Valley Groundwater Basin, though this value fluctuates significantly relative to annual precipitation. Because the reservoir is managed for flood control and groundwater recharge, the reservoir is empty much of the time. A majority of the groundwater flows towards the ocean, though a small gradient flows seasonally to the Nipomo Mesa.

4.4.2 Desalination

4.4.2.1 Morro Bay Desalination

In the County, there is only one operating desalination facility, that being the City of Morro Bay's desalination plant. In the past, the Morro Bay has used the salt water reverse osmosis (SWRO) treatment plant to treat water from saltwater wells and to remove nitrates from fresh water wells. Recently the Morro Bay completed the installation of two 450 gallons per minute (gpm) brackish water reverse osmosis (BWRO) treatment trains. The addition of these treatment processes will enable the Morro Bay to treat both fresh water and salt water wells simultaneously, and will also reduce the energy usage of the facility as well. The SWRO trains are designed to produce approximately 645 AFY of

potable water from sea water. The BWRO system is capable of treating the entire 581 AF of Morro Basin groundwater that the Morro Bay can extract by permit.

The original capital cost for the BWRO system in 2003 was about $3.1 million. The operating costs for the facility vary widely depending on the amount the Morro Bay operates the plant. Based on a nearly continuous operation, the costs are about $1,700 per acre foot, including replacement of membranes and some appurtenances on a five-year cycle. With energy recovery equipment installed at a capital outlay of about $1 million, the operational cost for water would drop into the $1,100 -$1,300 per acre foot range.

4.4.2.2 Other Desalination Projects

The Cambria CSD has been striving to develop a seawater desalination plant to meet existing and future water demands. This plant, if implemented, is expected to produce up to 602 AFY. This plant will operate during the summer season to augment supply during the summer and high demand period (from summer tourism). A recycled water system is also planned, with an estimated 180 AFY made available for unrestricted irrigation use.

The City of Arroyo Grande, the City of Grover Beach, and the Oceano Community Services District participated in the evaluation of a desalination project to supplement their existing potable water sources. Currently, all three agencies receive water from various sources, including the California State Water Project, Lopez Lake Reservoir, and groundwater from the Arroyo Grande Plain Hydrologic Subarea that is part of the Santa Maria Valley Groundwater Basin. Recent projections of water supply shortfalls in the region motivated the agencies to conduct a more detailed study of desalination as a supplemental water supply. The study focused on utilizing the existing South San Luis Obispo County Sanitation District's (SSLOCSD) wastewater treatment plant to take advantage of utilizing the existing ocean outfall, while having the plant located near the ocean seawater source. The feasibility study, completed in 2008, was based on a 2,300 AFY seawater desalination facility. Some of the major points of interest and concern of this study include:

- Some 20 or more beach wells may be needed to provide enough seawater to produce the 2,300 AFY potable water.
- Permitting and environmental issues could be complex, and implementation could take eight years or longer.

Initial capital cost could be in the range of $35 million, and customer rates could be impacted by 18 percent to over 100 percent to fund the project, and would cost in the neighborhood of $2,300 per AF or more, on a 20-year life cycle basis.

4.4.3 Water Recycling

Several purveyors and agencies in the County recycle municipal wastewater. Details of each purveyor or sanitary agency's recycled water program are discussed later in this report. Recycled water qualities range from secondary quality (as defined by Title 22 California Code of Regulations (CCR)) to the highest level of treatment for unrestricted use.

The most established water recycling program in the County is that of the City of San Luis Obispo. The City of San Luis Obispo currently delivers 135 AFY to nearby golf courses, schools and commercial establishments, with expectations of increasing recycled water deliveries to 1,000 AFY. The City must also maintain discharge to San Luis Obispo Creek, and this flow amounts to approximately 1,800 AFY.

Other water recycling projects in the County include the following and are discussed briefly in the water supply sections for the respective communities:

- Nipomo CSD (Black Lake WWTP, Southland WWTP)
- California Men's Colony (Dairy Creek Golf Course)
- Templeton CSD (Meadowbrook WWTP/recharge Salinas River underflow)
- City of Atascadero WRF (Chalk Mountain Golf Course)
- Rural Water Company (Cypress Ridge Golf Course)
- Woodlands MWC (Monarch Dunes Golf Course)

A number of agencies have undertaken recycled water feasibility studies to determine the viability of developing recycled water projects. Such agencies include, but not limited to:

- San Simeon CSD
- Cambria CSD
- City of Morro Bay/Cayucos Joint WWTP
- City of Paso Robles
- South San Luis Obispo County Sanitation District (SSLOCSD) WWTP
- City of Pismo Beach
- City of Arroyo Grande
- Avila Beach CSD/Port San Luis
- Los Osos CSD

4.5 WATER CONSERVATION PROGRAMS

Water conservation programs are being implemented throughout the County. Most purveyors established water conservation programs during a prolonged drought in the early '90s. In the current drought, purveyors have been aggressively promoting conservation measures to their customers. Many have made mandatory conservation requirements part of the building code and others have provided incentives for voluntary conservation. Certain conservation measures are required as part of the State's Urban Water Management Plan (UWMP) program. Two voluntary organizations assist members to implement these and other conservation measures. The conservation element of the UWMP and the programs of the two agencies are described below.

4.5.1.1 Urban Water Management Plans:

California's Urban Water Management Planning Act (Act) requires that every urban water supplier that provides water to 3,000 or more customers, or that provides over 3,000 acre-feet of water annually, should prepare and implement a plan (UWMP). The purpose is to ensure that the appropriate level of reliability in its water service is sufficient to meet the needs of its customers during normal, dry, and multiple dry years. The Act requires that an UWMP contain a discussion of a water purveyor's water Demand Management Measures (DMMs), including a description of each DMM currently being implemented or scheduled for implementation, the schedule of implementation for all DMMs, and the methods, if any, the supplier will use to evaluate the effectiveness of DMMs. The Act identifies 14 specific DMMs:

1. Water conservation coordinator;
2. Water Survey Programs for single-family residential and multi-family residential customers;
3. Residential plumbing retrofit;
4. System water audits, leak detection, and repair;
5. Metering with commodity rates for all new connections and retrofit of existing connections;
6. Large landscape conservation programs and incentives;
7. High-efficiency washing machine rebate programs;
8. Public information programs;
9. School education programs;
10. Conservation programs for commercial, industrial, and institutional accounts;
11. Wholesale agency programs;
12. Conservation pricing;
13. Water waste prohibition; and
14. Residential ultra-low flush toilet replacement programs.

The UWMP must discuss each of these potential DMMs and any other measures the supplier is implementing or has scheduled for implementation through a five-year period. The entire UWMP is to be updated every five years. If the water supplier does not schedule a particular DMM for implementation, the UWMP must include a cost-benefit evaluation that takes into consideration the economic, environmental, social, health, customer impact, and technological factors.

In addition to DMMs, the UWMP must also include a Water Shortage Contingency Plan, containing information on actions to be undertaken in response to water supply shortages of varying severity. These actions generally begin with voluntary conservation measures

during periods of moderate shortage or high demand and progress to increasingly stringent mandatory restrictions on water use during severe shortages. Most purveyors have put some level of these Contingency Plans into place during the current drought.

4.5.1.2 Partners in Water Conservation:

Partners in Water Conservation (PIWC) is a group of San Luis Obispo County water purveyors working together to provide the community with valuable information and educational opportunities on how to use water more efficiently, both indoors and outdoors. Members include:

- City of Arroyo Grande
- City of Grover Beach
- City of Morro Bay
- City of Paso Robles
- City of Pismo Beach
- City of San Luis Obispo
- County of San Luis Obispo
- Atascadero Mutual Water Company
- Cambria Community Services District
- Los Osos Community Services District
- Nipomo Community Services District
- Templeton Community Services District

The partnership has sponsored a number of programs and publications to promote conservation in the communities they serve. Some of their efforts include:

- Features of a Sustainable Landscape (brochure)
- Water Conserving Plants for Northern San Luis Obispo County (directory)
- Water Wise Landscape Workshops held annually in the summer
- Regular meetings of the membership to coordinate activities and to share lessons learned

In addition to joint activities, each of the members has water conservation programs in their service areas which are described in the discussion for each purveyor.

4.5.1.3 Agricultural Water Conservation Programs

The strategy to achieve agricultural water savings and benefits primarily includes improvements in on-farm technology and management. The strategy may be dependent on

an array of factors such as funding availability, environmental stresses, desire to increase yield, education, water supply development, sustainability, and economics.

The Central Coast Vineyard Team (CCVT) is a network of 300 local farmers that promotes sustainable vineyard practices to protect the resources valuable to farms and communities. Their mission statement is to identify and promote the most environmentally safe, viticulturally and economically sustainable farming methods, while maintaining or improving quality and flavor of wine grapes.

CCVT has always focused on the whole farm using an integrated framework for resource protection, which includes education on water conservation Best Management Practices (BMPs). Given the increased focus on groundwater resources based on declining water levels, CCVT is committed to prioritizing water conservation in its programs.

CCVT developed topic specific tailgate meetings, which are characterized by in field demonstrations. Tailgates highlight growers who are successfully implementing specific water BMPs and provide hands-on opportunities for attendees to refine their skills and knowledge. This grower-to-grower approach, coupled with input from technical advisors, is an extremely effective outreach method.

Another program that promotes agricultural water conservation is the Agricultural Water Enhancement Program (AWEP). AWEP is a voluntary conservation initiative that provides financial and technical assistance to agricultural producers to implement activities on agricultural land for the purposes of conserving surface and groundwater, and improving water quality. As part of the Natural Resources Conservation Service (NRCS) Environmental Quality Incentives Program (EQIP), AWEP operates through contracts with producers to plan and implement conservation practices in project areas established through partnership agreements.

The Mobile Water Lab Program Irrigation Systems Evaluation is offered by the Cachuma Resource Conservation District and provides free irrigation system evaluations to turf irrigators. It evaluates systems individually and makes recommendations to improve performance. Over 800 evaluations have been performed on over 70,000 acres in San Luis Obispo and Santa Barbara Counties. Irrigation evaluations use standard procedures developed by Cal Poly and the California Department of Water Resources.

4.5.1.4 California Urban Water Conservation Council

The California Urban Water Conservation Council (CUWCC) was created to increase efficient water use statewide through partnerships among urban water agencies, public interest organizations, and private entities. The Council's goal is to integrate urban water conservation Best Management Practices (BMPs) into the planning and management of California's water resources. Members pledge to develop and implement 14 comprehensive conservation BMPs. These are identical to the 14 DMMs required by the UWMP Act. CUWCC offers an extensive array of resources to assist members in their conservation goals, including model municipal codes, sample surveys, conservation publications,

descriptions of lessons learned from other members, and variety of technical resources to assist water suppliers in planning, estimating costs, and determining impact of BMP implementation.

County members include:

- City of Pismo Beach
- City of San Luis Obispo
- Central Coast Water Authority
- Golden State Water Company
- Atascadero Mutual Water Company
- Cambria Community Services District
- Nipomo Community Services District
- Templeton Community Services District

4.5.1.5 Decentralized Water Supply Opportunities

Considering that the majority of potable water supply at the household level is consumed for non-potable uses such as toilet flushing and outdoor irrigation, there are opportunities for homeowners and businesses to develop their own non-potable water sources on a small scale basis. Along those lines, two “green” technologies that have been given significant attention recently are graywater recycling and stormwater reuse/rainwater harvesting.

Typical graywater systems harvest wastewater from households or buildings that have not come into contact with toilet or kitchen sink waste. The harvested water is then filtered for distribution in underground irrigation systems. More elaborate systems can be designed to use graywater for toilet flushing, though plumbing codes make this option more complex. The San Luis Obispo Coalition of Appropriate Technology (SLO-COAT) as recently published a homeowner’s guide to the design and construction of relatively simple graywater systems that can be used for outdoor irrigation. The State is also revising plumbing codes to make graywater systems easier to install.

Promotion of stormwater reuse has been adopted by the SWRCB as part of the latest strategic plan, and is part of the State’s recently adopted water recycling policy. Stormwater reuse is considered a locally available, sustainable supply, consistent with implementation of the California Global Warming Solutions Act of 2006, and other State and regional efforts.

Rainwater harvesting is a form of stormwater reuse, usually practiced on a small scale by homeowners. Rainwater harvesting is the process of intercepting stormwater runoff from a surface (e.g. roof, parking area, land surface), and putting it to beneficial use. Intercepted stormwater can be collected, slowed down, and retained or routed through the site landscape using cisterns, microbasins, swales and other water harvesting structures. Water

harvesting reduces dependence on dwindling groundwater reserves and expensive imported water. Capturing and using stormwater runoff also reduces site discharge and erosion, and the potential transport of stormwater pollutants.

Stormwater reuse can be promoted in a variety of ways. For example, the City of Tucson, Arizona became the first municipality in the country to require developers of commercial properties to harvest rainwater for landscaping. The new measure – approved by a unanimous vote by the City Council – requires that new developments meet 50 percent of their landscaping water requirements by capturing rainwater. The new rule went into effect June 1, 2010.

Consumer education is also a common approach to promoting stormwater capture and reuse. The City of Tucson has published its Water Harvesting Guidance Manual and the Texas Water Development Board has published the Texas Manual on Rainwater Harvesting. At the local level, SLO-COAT is planning to release a homeowner's guide to Low Impact Development, which will emphasize simple techniques for stormwater capture and reuse at the household level.

The Atascadero Mutual Water Company has instituted a rebate program aimed at reducing landscape irrigation. One of the conservation measures supported by the program is the installation of rainwater harvesting systems at the household level, providing a rebate of up to $250 for storage tanks or cisterns designed to capture rainfall for use during dry periods.

Cambria CSD requires that residences built on properties larger than 8,000 square feet must have non-potable water collection cisterns for irrigation watering. 22 cisterns have been installed to date.

4.6 WATER SUPPLY, DEMAND, WATER QUALITY

The information presented below was extracted from Technical Memorandum Number 3, Water Supply Inventory and Assessment – Water Supply, Demand and Water Quality (Wallace Group et al., Appendix C), which summarizes urban water demand and supply, and from the Water Demand Methodology and Results Memorandum (ESA, Appendix D), which summarizes rural, agricultural, and environmental water demands.

This section presents an overview on water supply resources, demand and water quality throughout the County. Also described in this section are the different agreements/contracts of water purveyors in the County with respect to water allocations, and cooperative agreements between multiple parties for overall management of shared water resources. Also discussed are other water resources including recycled water and desalination.

Water is drawn from a number of surface sources, both inside and outside of the County. This section describes the reservoirs in and out of the County that are used as water supply sources within the County. It also includes a brief description of the State Water Project. Allocations and key user agreements are described for each water source. Figure 4.17 shows the location of the conveyance systems for these sources.

4.6.1 Total Water Demand

County water demand is divided into four categories: urban, rural, agricultural and environmental. Total demand is defined as the sum of urban, agricultural, and rural demand. Environmental water demand refers to the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat. Environmental water demand, while estimated and documented in a separate row in the summary tables, is not included in the total demand to differentiate between demands for urban, agricultural and rural users and those needed for environmental habitat.

The following discussion is an overview of the County water demands by water planning area. A detailed discussion follows this overview and provides more information on the individual users within each WPA.

Various data sources were used to arrive at the demands presented below and the projections for many of the users are not consistent. The County MWR demand summary is not intended to be conclusive, but offer a potential estimate and range of demands that could be experienced County-wide.

4.6.1.1 Method for Calculating Demand

The total water demand was calculated for existing and future conditions throughout the County. For calculating the existing water demand, this analysis utilized the most recent available data at the time the analysis was conducted. Details about the data were discussed earlier in this chapter. For future water demand, the study investigated the projected demand for the future if urban, rural and agricultural development progresses according to current general plans. The study created a geodatabase, which includes categories of water demand for existing and future conditions, as well as the total water demand, for each of the WPAs. For some areas in the County, this study relied on existing reports for the demand information. Water purveyors throughout the County were contacted about existing and future conservation. Specific conservation factors were applied to the future urban water demand projections for urban areas where these factors were available. More detail on the method for calculating water demand is available in Appendix D (Water Demand Methodology and Results Memorandum, ESA, January 2010).

4.6.1.2 Assumptions for Calculating Demand

Calculating the existing total water demand and projecting the future total water demand requires a number of assumptions, as well as review and analysis of existing data for each of the categories. Two general assumptions are outlined below while assumptions specific to each of the individual water demand categories are discussed within the individual category sections:

- Existing demands represent average annual use, in acre-feet per year (AFY). The demand can vary widely on smaller timescales, such as a daily or monthly demand. Rural water demand is based on an acre-foot per dwelling unit factors that were developed for coastal and inland hydrologic regions based on a review of average use

in those areas from available use data in rural areas. Agricultural water demand is based on an acre-foot per acre per crop type factors that were developed for coastal and inland hydrologic regions based on a review of available studies, since actual usage data is limited. Use of water for ranching and pasture irrigation, among other uses not captured in pesticide reports, are not included. In Water Planning Areas where the majority of land is used for these purposes, the agricultural water demand may be significantly underestimated. Analysis of diversion rights records would help to address this issue in future updates to the Master Water Report.

- Future water demand is shown as a range whenever possible. For urban areas, the minimum projected future water demand accounts for conservation and the maximum projected future water demand represents a maximum buildout scenario as defined by water management plans, water master plans, or other purveyor provided information. The amount of future conservation was provided by and varied by purveyor. The projected demand is not associated with a particular year because the year of maximum buildout is unknown and varies between water planning areas. For agricultural demand, the range represents the difference between using low and high end values for existing and future irrigation efficiencies and rain totals. Consideration of recent shifts in agricultural production was included in the analysis for future agricultural demand as described in Appendix D (Water Demand Analysis Methodology and Results Memorandum, ESA). However, a comprehensive analysis of potential future agricultural cropping patterns based on a review of provisions in conservation easements, diversion permits and other scenarios was not included. For rural demand, the future range represents the difference between different development and conservation scenarios.

4.6.1.3 Total Demand by WPA

Table 4.10 summarizes the total water demand, including urban, agricultural, and rural water demand, as well as the environmental demand, developed for each of the 16 WPA's.

Table 4.10 Existing and Forecast Water Demand for All Water Planning Areas[1]					
WPA	**WPA Name/Category**	**Existing Demand (AFY)**	**Projected Demand (AFY)**		
1	**San Simeon**				
	Urban	108	250	--	250
	Agricultural	70	10	--	60
	Rural	20	50	--	50
	Total	**198**	**310**	**--**	**360**
	Environmental	72,980	72,980		
2	**Cambria**				
	Urban	706	1,009	--	1,514
	Agricultural	640	740	--	1,490
	Rural	100	190	--	220
	Total	**1,446**	**1,939**	**--**	**3,224**
	Environmental	51,460	51,460		
3	**Cayucos**				
	Urban	432	608	--	641
	Agricultural	520	430	--	800
	Rural	80	130	--	140
	Total	**1,032**	**1,168**	**--**	**1,581**
	Environmental	26,160	26,160		

Table 4.10 Existing and Forecast Water Demand for All Water Planning Areas[1]					
WPA	**WPA Name/Category**	**Existing Demand (AFY)**	**Projected Demand (AFY)**		
4	**Morro Bay**				
	Urban	3,112	3,532	--	3,532
	Agricultural	2,060	1,690	--	2,440
	Rural	120	190	--	220
	Total	**5,292**	**5,412**	**--**	**6,192**
	Environmental	27,880	27,880		
5	**Los Osos**				
	Urban	2,043	2,296	--	2,870
	Agricultural	3,290	2,750	--	3,770
	Rural	20	20	--	20
	Total	**5,353**	**5,066**	**--**	**6,660**
	Environmental	7,040	7,040		
6	**SLO/Avila**				
	Urban	7,878	9,641	--	10,149
	Agricultural	3,610	2,810	--	4,120
	Rural	460	610	--	660
	Total	**11,938**	**13,061**	**--**	**14,929**
	Environmental	33,030	33,030		

Table 4.10 Existing and Forecast Water Demand for All Water Planning Areas[1]					
WPA	**WPA Name/Category**	**Existing Demand (AFY)**	**Projected Demand (AFY)**		
7	**South Coast**				
	Urban	410	434	--	482
	Agricultural	19,920	16,610	--	23,830
	Rural	1,480	1,990	--	2,160
	NCMA[2]	9,636	12,363	--	13,826
	NMMA[2]	11,278	12,654	--	14,898
	SMVMA[2]	25,577	25,650	--	25,650
	Total	**68,301**	**69,701**	**--**	**80,846**
	Environmental	32,960	32,960		
8	**Huasna Valley**				
	Urban	0	0	--	0
	Agricultural	1,550	2,060	--	2,820
	Rural	90	360	--	450
	Total	**1,640**	**2,420**	**--**	**3,270**
	Environmental	25,020	25,020		
9	**Cuyama Valley**				
	Urban	0	0	--	0
	Agricultural	28,870	25,320	--	32,410
	Rural	10	80	--	100
	Total	**28,880**	**25,320**	**--**	**32,510**
	Environmental	Undetermined	Undetermined		

Table 4.10 Existing and Forecast Water Demand for All Water Planning Areas[1]					
WPA	**WPA Name/Category**	**Existing Demand (AFY)**	**Projected Demand (AFY)**		
10	**Carizzo Plain**				
	Urban	0	0	--	0
	Agricultural	800	680	--	890
	Rural[3]	210	9,610	--	12,740
	Total	**1,010**	**10,290**	**--**	**13,630**
	Environmental	Undetermined	Undetermined		
11	**Rafael/Big Spring**				
	Urban	0	0	--	0
	Agricultural	0	0	--	0
	Rural	0	470	--	620
	Total	**0**	**470**	**--**	**620**
	Environmental	Undetermined	Undetermined		
12	**Santa Margarita**				
	Urban	1,785	5,474	--	6,082
	Agricultural	1,770	1,720	--	2,680
	Rural	240	450	--	520
	Total	**3,795**	**7,644**	**--**	**9,282**
	Environmental	32,850	32,850		
13	**Atascadero/ Templeton**				
	Urban	12,358-12,403	12,650	--	13,681
	Agricultural	10,620	9,740	--	14,600
	Rural	1,480	1,810	--	1,930
	Total	**24,458-24,503**	**24,200**	**--**	**30,211**
	Environmental	41,010	41,010		

Table 4.10 Existing and Forecast Water Demand for All Water Planning Areas[1]

WPA	WPA Name/Category	Existing Demand (AFY)	Projected Demand (AFY)		
14	**Salinas/Estrella**				
	Urban	4,635	9,349	--	11,644
	Agricultural	67,610	60,740	--	86,820
	Rural	3,590	5,570	--	6,230
	Total	**75,835**	**75,659**	**--**	**104,694**
	Environmental	Undetermined	Undetermined		
15	**Cholame Valley**				
	Urban	0	0	--	0
	Agricultural	80	60	--	80
	Rural	10	150	--	190
	Total	**90**	**210**	**--**	**270**
	Environmental	Undetermined	Undetermined		
16	**Nacimiento**				
	Urban	619	935	--	1,039
	Agricultural	3,860	4,740	--	7,120
	Rural	280	730	--	880
	Total	**4,759**	**6,405**	**--**	**9,039**
	Environmental	108,390	108,390		

Notes:

1. Urban demand: Low projected demand includes conservation factor of 0 to 20 percent, based on anticipated conservation. Agricultural demand: Affected by a wide range of conditions, including lack of data, weather conditions, changes in commodities and differences in irrigation practices. Future projections may not reflect the actual future water use or need, because of constant changes in farming practices. Projected agricultural demand may be significantly higher if more land is converted from dry to irrigated farming. Rural demand: Minimum projected rural demand reflects a 75 percent buildout scenario.
2. Demand for WPA 7 management areas is from 2009 or 2010 reports from NCMA (GEI, 2011), NMMA (NMMA, 2011), and SMVMA (Luhdorff and Scalmanini, 2009). SMVMA is approximated based on the proportion within San Luis Obispo County
3. Carrizo Plain rural demand projections are based on existing zoning, which includes the potential for extensive California Valley development. The actual development may be much lower than 75 percent due to limited groundwater and other factors.

4.6.2 Urban Water Demand

Urban water demand refers to residential, commercial, industrial, parks, institutional, and golf course water demand within many of the unincorporated communities and incorporated cities in the County. For purposes of the MWR, the urban water demand includes all unincorporated communities and incorporated cities in the County where water purveyors have provided water demand information for this project.

4.6.2.1 Sources of Information

Primary sources of data include the water system master plans (WSMP) and urban water management plans (UWMP) prepared by water purveyors, incorporated cities, and unincorporated communities. All of the urban areas have adopted a WSMP or UWMP during the last 10 years. Additionally, the County's 2008 Resource Management System Annual Resource Summary Report provides existing projected water demand and population for these areas (County, 2008). Each water purveyor was also provided the opportunity to comment and correct the water demand and supply information.

4.6.2.2 Method/Assumptions: Existing Use and Future Water Demand

Existing water use calculations and future water demand projections from WSMPs and UWMPs were used. UWMPs are available for incorporated cities and include existing and future water demand. WSMPs are available for unincorporated communities within Urban Reserve Lines (URLs) and some of the incorporated communities within the Village Reserve Lines (VRLs), and include existing and future water demand. Cities, community services districts, county service areas, or other water purveyors service the urban areas where water usage has been reported. The project team reviewed the UWMPs and WSMPs prepared by these water purveyors and provided a summary of the available existing and future urban water demand and supply presented in these documents. The urban water demand for individual areas in the County are associated with an ArcGIS® layer that includes the existing and future urban demand. The range of future demand represents different development and conservation scenarios.

4.6.2.3 Urban Water Demand by WPA

Table 4.11 summarizes the urban water demand for all the WPAs. WPAs 8, 9, 10, 11, and 15 do not have urban demand because there are no large population centers in these WPAs. The urban water demand is discussed in further detail in future sections of this chapter.

4.6.3 Agricultural Water Demand

Agricultural water demand refers to the annual applied water in all agricultural areas in the County. More detail on the method for calculating agricultural demand is available in Appendix D (Water Demand Methodology and Results Memorandum, ESA). The vineyard community in the North County is participating in a program led by the University of California, Davis, Cooperative Extension to estimate applied water per acre that will provide

detailed information for the Estrella/Creston area and may serve as a model for implementation throughout the County.

Table 4.11 Urban Water Demand by Water Planning Area (1)

WPA No.	WPA Name	Existing (AFY)	Forecast (AFY)
1	San Simeon	108	250
2	Cambria	706	1,009 – 1,514
3	Cayucos	432	608 - 641
4	Morro Bay	3,112	3,532
5	Los Osos	2,043	2,296 - 2,870
6	San Luis Obispo/Avila	7,878	9,641 – 10,149
7	South Coast	410	434 - 482
	NCMA	6,141	9,583-11,046
	NMMA	6,878	8,314 – 8,808
12	Santa Margarita	1,819	5,571 - 6,190
13	Atascadero/Templeton	12,403	12,650 – 13,681
14	Salinas/Estrella	4,635	9,349 – 11,644
16	Nacimiento	619	987 - 1,039

Notes:
1. WPAs 8, 9, 10, 11, and 15, as well as SMVMA in WPA 7, do not have any urban water demand.

4.6.3.1 Sources of Information

The Agriculture/Crop ArcGIS® layer for the County from August 2008 was used to determine existing agricultural acreage for each crop group. This layer is updated yearly with information from the pesticide use permits growers obtain through the San Luis Obispo Department of Agriculture. These permits are not entirely accurate as they occasionally include permanent crops which are planned and include many annual crops which may or may not be planted based upon various factors (Isensee, 2009a). The number of crop rotations varies and is not identified in the Agriculture/Crop ArcGIS® layer. The majority of irrigated vegetables are rotated numerous times throughout the year. Coastal areas with available water may have multiple crops planted in a particular year (Isensee, 2009c).

The California Irrigation Management Information System (CIMIS) and University of California Cooperative Extension Leaflets 21426 to 21428 data were used as reference evapotranspiration (ETo) and crop coefficients (Kc) for areas where data were available

(CIMIS, 2009; Snyder et al., 1987, 1989a, 1989b). The rainfall data utilized is from County gages, the County Hydrology Report (County, 2005), and District maps (County, 2009). The project team contacted two UC Farm Advisors (Mark Battany and Mark Gaskell) in San Luis Obispo County and obtained information on frost protection and leaching requirements. Irrigation efficiency information was obtained from a Cachuma Resource Conservation District (CRCD) Irrigation Specialist (Kevin Peterson), as well as from Ms. Kris Beal O'Connor, the Central Coast Vineyard Team (CCVT) Executive Director. Additionally, the team used DWR estimates of the quantity of water applied to a specific crop per unit area (DWR 2009a).

4.6.3.2 Method/Assumptions: Existing Agricultural Demand

The agricultural crop ArcGIS® layer includes approximately 200 classifications of commodities. This included approximately 86,000 acres of rangeland and 42,000 acres of uncultivated agriculture. For purposes of this analysis, the irrigated commodities were categorized into seven groups (Table 4.12).

Table 4.12 Crop Group and Commodities Used for the Agricultural Demand Analysis

Crop Group	Primary Commodities
Alfalfa	alfalfa
Nursery	Christmas trees, miscellaneous nursery plants, flowers
Pasture	miscellaneous grasses, mixed pasture, sod/turf, sudangrass
Citrus	avocados, grapefruits, lemons, oranges, olives, kiwis, pomegranates
Deciduous	apples, apricots, berries, peaches, nectarines, plums, figs, pistachios, persimmons, pears, quince, strawberries
Vegetables	artichokes, beans, miscellaneous vegetables, mushrooms, onions, peas, peppers, tomatoes
Vineyard	wine grapes, table grapes

Avocados and citrus are included in the same crop group to be consistent with DWR crop groups (DWR 2001) and annual agricultural water use monitoring by Gene Melschau, a Nipomo farmer (Melschau, 2009). Although the groups are based on commodities that may have similar water requirements, the actual water usage will vary based on individual commodities, soil type, and number of rotations on individual parcels. Almonds are not included in the commodity (deciduous) list because most almond orchards in the County are not irrigated (Isensee, 2009b). The existing acreage of irrigated crops, as reported by growers, is shown in Table 4.13. The acreage changes on a monthly or annual basis and can be readily updated in ArcGIS® and annual applied water can be recalculated.

Table 4.13 Existing Irrigated Crop Acreage Determined in GIS[1]

WPA #	WPA Name	Alfalfa (ac)	Citrus (ac)	Deciduous (ac)	Nursery (ac)	Pasture (ac)	Vegetable (ac)	Vineyard (ac)	Total (ac)
1	San Simeon		19					64	**83**
2	Cambria		343	26	2		188	45	**603**
3	Cayucos		345				107	5	**456**
4	Morro Bay		672		0	35	497	76	**1,281**
5	Los Osos			4	104	505	903	1	**1,515**
6	San Luis Obispo/Avila		219	182	40	209	881	538	**2,070**
7[2]	South Coast		4,018	24	208	530	3,231	3,198	**11,210**
8	Huasna Valley		19	5			160	472	**656**
9	Cuyama Valley			642			9,083	211	**9,936**
10	Carrizo Plain		250						**250**
12	Santa Margarita	15		7		55		974	**1,051**
13	Atascadero/Templeton		32	712	80	589	17	3,434	**4,864**
14	Salinas/Estrella	800	319	655	76	1,446	2,098	27,424	**32,818**
15	Cholame Valley		26						**26**
16	Nacimiento		45	780[3]		10		974	**1,809[4]**
	TOTAL	**815**	**6,307**	**3,037**	**510**	**3,377**	**17,166**	**37,416**	**68,629**

Notes:
1. Acreages were determined by aggregating County Crops ArcGIS® (2008) data, which is based on the pesticide use records, and crops identified in the County Land Use ArcGIS® (2009) data. These values are aggregated in a database file exported from ArcGIS® and summarized in a pivot table. The County Crops ArcGIS® data does not include any irrigated crop acreage in WPA 11.
2. The agricultural acreage determined in GIS for WPA 7 only includes areas outside of the NCMA, NMMA, and SMVMA. The amount of irrigated acreage for these management areas is approximately 1,600 acres for NCMA (Todd Engineers, 2009), 2,600 acres for NMMA (NMMA, 2009), and 10,500 acres for SMVMA (Luhdorff and Scalmanini, 2009). 99.9 percent of strawberries in the County are located in these three areas.
3. 780 acres might exceed the actual irrigated deciduous acreage, primarily because it appears to include walnut orchards, which are predominately dry-farmed.
4. The total for WPA 16 could be as low as 1,100 acres of irrigated crops in 2008.

The project team calculated the crop-specific applied water for these crop groups by utilizing information on crop evapotranspiration, contribution from rain or shallow water table, leaching requirements, irrigation efficiency, and frost protection. See Appendix D for more information on the equation that was used to calculate the annual crop-specific applied water for each of the water planning areas and for a detailed discussion of the parameters in the equation.

4.6.3.3 Method/Assumptions: Future Agricultural Demand

Similar methods and equations were used to calculate the future irrigation water requirements. The calculation of future agricultural demand is different from existing use due to changes in cropping patterns, weather patterns, and irrigation methods. Over the past 20 years, irrigation efficiencies have improved substantially. Although predicting future agricultural demand is very difficult, according to the Agricultural Commissioner and a CRCD Irrigation Specialist, irrigation efficiencies are likely to continue to improve due somewhat to site specific monitoring of soil water availability and crop needs, planting of root stock that is more drought tolerant, or modification of irrigation techniques based upon ongoing research (Isensee, 2009c; Peterson, 2009b). Growers may also face economic pressure due to increased pumping costs or other factors, or may have economic incentives for the development of higher water efficiencies (Isensee, 2009c). Therefore, this study assumed higher irrigation efficiencies for projected future agricultural demand than in existing demand calculations. More details about how the irrigation efficiencies were determined are included in Appendix D.

Based on recent trends in agriculture, much of the additional projected future irrigated land could be converted to vineyards. For purposes of this analysis, this study assumed that the 6,000 acres of hay and oats identified in the 2008 ArcGIS® crop layer would be converted to vineyards. The County has approximately 70,000 acres of farmland enrolled in the Federal Conservation Reserve Program (CRP) (USDA, 2009). Many of the existing CRP contracts will expire in the next 10 years. If there is sufficient water available, much of this farmland could enter into irrigated production (Isensee, 2009c). This study estimated future irrigated crop acreage by adding existing irrigated crop acreage plus inactive irrigated crop acreage and approximately 6,000 acres of future vineyards (converted from existing oat and hay acreage). The total future irrigated crop acreage, including WPA 7 management areas, was approximately 95,000 acres compared to existing crop acreage of about 83,000 acres. This analysis does not account for annual rotation from fallow to cultivated land. Projected future irrigated acreage is presented in Table 4.14.

Forecasting agricultural demand is affected by a wide range of conditions, including a lack of data about current agricultural demand; variations in soil types and weather conditions; changes in crop type, regulations, economics and trade agreements, tax policy, changes in land use, and irrigation practices. Future projections may not reflect the actual future water

Table 4.14 Forecast Irrigated Crop Acreage Determined in GIS[1]

WPA #	WPA Name	Alfalfa (ac)	Citrus (ac)	Deciduous (ac)	Nursery (ac)	Pasture (ac)	Vegetable (ac)	Vineyard (ac)	Total (ac)
1	San Simeon		19					64	83
2	Cambria		409	28	2		395	457	1,291
3	Cayucos		477				108	13	598
4	Morro Bay		722		0	35	527	96	1,380
5	Los Osos		21	4	104	505	995	1	1,628
6	San Luis Obispo/Avila		224	182	40	209	920	542	2,117
7[2]	South Coast		4,048	44	209	703	3,378	3,740	12,122
8	Huasna Valley		19	5	4	97	160	670	954
9	Cuyama Valley			642			9,501	211	10,354
10	Carrizo Plain		251	1			3		255
12	Santa Margarita	15	4	9		95		1,284	1,406
13	Atascadero/Templeton		54	778	80	814	47	4,774	6,547
14	Salinas/Estrella	800	381	879	78	1,886	2,121	32,086	38,232
15	Cholame Valley		26						26
16	Nacimiento		48	846[3]		10		2,441[4]	3,345
	TOTAL	815	6,703	3,418	517	4,352	18,154	46,380	80,338

Notes:
1. The agricultural acreages were determined by aggregating County Crops ArcGIS® (2008) data, which is based on the pesticide use records, and crops identified in the County Land Use ArcGIS® (2009) data. These crop acreages are aggregated in a database file exported from ArcGIS® and inputted into spreadsheets. The County Crops ArcGIS® data does not include any irrigated crop acreage in WPA 11.
2. The agricultural acreage determined in GIS for WPA 7 only includes areas outside of the NCMA, NMMA, and SMVMA. The amount of irrigated acreage for these management areas is approximately 1,600 acres for NCMA (Todd Engineers, 2009), 2,600 acres for NMMA (NMMA, 2009), and 10,500 acres for SMVMA (Luhdorff and Scalmanini, 2009). 99.9 percent of strawberries in the County are located in these three areas.
3. To reach this total, there would have to be an expansion of irrigated orchards and a conversion of acres that are currently dry farmed to irrigated farmland in the future.
4. To reach this total, conversion from dry farming to vineyard production would likely be required.

use or need, because of variability in farming practices. Projected agricultural demand may be higher if more land is converted from dry to irrigated farming.

4.6.3.4 Agricultural Water Demand by WPA

Table 4.15 includes a summary of the calculated existing annual applied water by WPA. The table also includes a summary of the forecast future annual applied water by WPA. All agricultural water demands have been rounded to the 10s.

Table 4.15 Agricultural Water Demand by Water Planning Area (1)

Water Planning Area		Existing Demand (AFY)	Forecast Demand	
			Low Demand (AFY)	High Demand (AFY)
1	San Simeon	70	10	60
2	Cambria	640	740	1,490
3	Cayucos	520	430	800
4	Morro Bay	2,060	1,690	2,440
5	Los Osos	3,290	2,750	3,770
6	San Luis Obispo/Avila	3,610	2,810	4,120
7(2)	South Coast	19,920	16,610	23,830
8	Huasna Valley	1,550	2,060	2,820
9	Cuyama Valley	28,870	25,240	32,410
10	Carizzo Plain	800	680	890
12	Santa Margarita	1,770	1,720	2,680
13	Atascadero/Templeton	10,620	9,740	14,600
14	Salinas/Estrella	67,610	60,740	86,820
15	Cholame Valley	80	60	80
16	Nacimiento	3,860	4,740	7,120

Notes:
1. All agricultural demand values have been rounded to the 10s. The County Crops ArcGIS® data does not include any irrigated crop acreage in WPA 11.
2. The agricultural demand for WPA 7 in this table only includes areas outside of the NCMA, NMMA, and SMVMA.

4.6.4 Rural Water Demand

Rural water demand refers to water demand in unincorporated areas of the County that are not considered agricultural or urban.

4.6.4.1 Sources of Information

The County ArcGIS® land use data, including vacant and developed properties and potential subdivisions and units in the unincorporated areas of the County, were used to calculate a rural water demand. Additional sources include information from purveyors, water management plans, and the County's 2008 Resource Management System Annual Summary Report.

4.6.4.2 Method/Assumptions: Existing and Future Rural Demand

A water duty factor was applied to the number of dwelling units (DU) of unincorporated areas that are outside the urban and agricultural areas. The water duty factor associated with rural demand is an estimated average annual volume of water used by a particular rural user and is represented as AFY/DU.

Due to different climates and types of water usage, the water duty factors can vary widely between region and time of year. The water duty factor varies with the number of persons in each DU, the amount of landscaping, and the climate. Coastal areas require less water than inland areas due to greater evapotranspiration in the inland areas and more precipitation in the coastal areas. The water duty factor for each area was determined by utilizing water usage data available through the County, adjacent counties, and water purveyors. The study calculated a range for existing and future rural demand in each region based on the amount of development and conservation.

The study utilized the County Land Use ArcGIS® layer, which includes land use and potential DU per acre for all unincorporated areas of the County. See Appendix D for a description on the methods that the County used to prepare the land use data and for a detailed discussion of how the study utilized the County Land Use ArcGIS® database. For the rural demand analysis, all areas in the County that were accounted for with urban or agricultural water demand were excluded. Existing and projected future nurseries and vineyards present in the Land Use ArcGIS® layer were merged into the agriculture ArcGIS® layer and included in the agricultural demand analysis.

The rural water demand for each area was calculated by multiplying the number of dwelling units by a water duty factor. For future rural water demand, the potential residential demand was reduced by 25 percent to account for physical and environmental constraints on development. The 25 percent is based on a future County development of 75 percent of vacant land that is designated by the County as having development potential. In the future, this could be refined for specific planning areas. The County is developing a Countywide Rural Plan that will analyze different rural build-out scenarios. The rural demand for

individual areas in the County was associated with an ArcGIS® layer, which includes the number of dwelling units, water duty factor, and calculated rural water demand for all unincorporated areas in the County that are not considered agricultural or urban. The study utilized input from the WRAC, regional, sub-regional, and other stakeholders to develop the rural water demand methodology.

4.6.4.3 Rural Water Demand by WPA

Appendix D provides a detailed discussion of the method the project used to calculate the existing and forecast future rural water demand. Table 4.16 summarizes an estimate of the existing rural demand and an estimate of the forecast future rural demand for all WPAs. According to existing County land use designations, much of the vacant rural land could be developed in the future if water and other resources were available.

Table 4.16 Existing and Future Rural Water Demand

Water Planning Area		Average Existing Rural Demand (AFY)[1]	Minimum Future Rural Demand (AFY)[2][3]	Maximum Future Rural Demand (AFY)[2]
1	San Simeon	20	50	50
2	Cambria	100	190	220
3	Cayucos	80	130	140
4	Morro Bay	120	190	220
5	Los Osos	20	20	20
6	San Luis Obispo/Avila	450	610	660
7[4]	South Coast	1,480	1,990	2,160
8	Huasna Valley	90	360	450
9	Cuyama Valley	10	80	100
10	Carizzo Plain	210	9,610	12,740
12	Santa Margarita	0	470	620
13	Atascadero/Templeton	240	450	520
14	Salinas/Estrella	1,480	1,810	1,930
15	Cholame Valley	3,590	5,570	6,230
16	Nacimiento	10	150	190

Notes:
1. Water usage factor used for all existing rural residential units in WPA 1-7 is 0.8 AFY/DU and WPA 8-16 is 1.0 AFY/DU, for commercial/industrial areas was 1.5 AFY/DU.

Table 4.16 Existing and Future Rural Water Demand			
Water Planning Area	**Average Existing Rural Demand (AFY)(1)**	**Minimum Future Rural Demand (AFY)(2)(3)**	**Maximum Future Rural Demand (AFY)(2)**

2. Water usage factor used for all future residential units in WPA 1-7 is 0.6 AFY/DU and WPA 8-16 is 0.8 AFY/DU, for commercial/industrial areas was 1.5 AFY/DU.
3. Minimum demand represents 75 percent of potential development
4. The rural demand for WPA 7 only includes areas outside of the NCMA, NMMA, and SMVMA.

4.6.5 Environmental Demand

4.6.5.1 Definitions

Environmental water demand refers to the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes.

4.6.5.2 Method/Assumptions: Environmental Demand

A detailed discussion of the methods for determining the environmental demand is included in Appendix D. The environmental water demands were quantified for areas where data were available and unimpaired runoff data could be obtained, calculated, or estimated. The team utilized USGS and County existing stream gage data and obtained the critical stream flow data. Unimpaired runoff estimates were calculated by developing regional, multiple regression relationships that predict runoff at an ungaged, or partially gaged, location as a function of runoff at a gaged location. Once the estimated unimpaired runoff was established, the median annual discharge methodology to calculate an environmental water demand was used (Hatfield and Bruce, 2000). More detailed information on the approach is provided in the appendix.

The DWR has identified over 1,000 water rights applications and permits for San Luis Obispo County (DWR 2009b). For purposes of this analysis, the unimpaired mean annual discharge and environmental water demand is presented without including an analysis of the 1,000 diversion rights in the County. However, some of the established instream flow requirements are included. In order to obtain a better understanding of how much surface water is available for aquatic life, the District would need to identify and quantify all diversion rights and instream flow requirements in the watershed.

The mean annual discharge and environmental water demand estimates are shown in Table 4.17.

4.6.6 North Coast Sub-Region

This section describes water supply, water demand, and water quality for WPAs 1 through 4:

- San Simeon WPA 1: San Simeon CSD
- Cambria WPA 2: Cambria CSD
- Cayucos WPA 3: Cayucos Area Water Organization (Morro Rock Mutual Water Company, Paso Robles Beach Water Association, CSA 10A, Cayucos Cemetery District)
- Morro Bay WPA 4: City of Morro Bay and Chorro Valley Water System (California Men's Colony, Cuesta College, Camp San Luis Obispo, County Operations Center/Office of Education)
- Los Osos WPA 5: Community of Los Osos and vicinity (Golden State Water Company, Los Osos CSD, S&T Mutual Water Company)

The majority of existing rural parcels identified in the WPAs within the North Coast Sub-Region are classified as developed rural lands. The majority of vacant parcels in these WPAs that could be converted to rural residential in the future are vacant parcels with rural land use designations.

4.6.6.1 <u>San Simeon WPA 1</u>

The water supply sources for this WPA include Pico Creek Valley, San Carpoforo Valley, and Arroyo De La Cruz Valley Groundwater Basins, other groundwater supply sources, and State Water Resources Control Board (State Board) water diversions.

4.6.6.1.1 *San Simeon CSD*

Source: November 2007 Water System Master Plan and Wastewater Collection System Evaluation; Discussion with Water Committee August 2010.

Table 4.17 Mean Annual Discharge and Environmental Water Demand Estimates			
WPA No.[1]	**WPA Name**	**Estimated Unimpaired Mean Annual Discharge (AFY)**	**Environmental Water Demand (AFY)**
1	San Simeon	104,490	72,980
2	Cambria	87,050	51,460
3	Cayucos	33,340	26,160
4	Morro Bay	43,430	27,880
5	Los Osos	8,200	7,040
6	San Luis Obispo/Avila	45,820	33,030
7	South Coast	49,100	32,960
8	Huasna Valley	34,220	25,020
12	Santa Margarita	46,630	32,850
13	Atascadero/Templeton	74,090	41,010
16	Nacimiento	251,120(2)	108,390[2]

Notes:
1. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.
2. Estimates for WPA 16 environmental water demand include the watershed area for the Nacimiento River Index-station (162 square miles); though the Index-station is within WPA 16, most of the watershed area is not.

The San Simeon Community Services District (San Simeon CSD) supplies its customers with domestic water service, wastewater service, and fire protection, among other services. San Simeon is located along Highway 1 north of Cambria. The San Simeon CSD serves an area of approximately 100 acres, which includes approximately 320 residential dwelling units and over twice that number of hotel/motel units. Though the permanent residential population is estimated at 247, the tourist population can outnumber locals and varies with the season.

The build-out population is projected to reach 740 residents. The build-out population is the upper range from the San Simeon Community Plan, which assumes 530 dwelling units (DU) and 1.4 persons per DU. The commercial/retail sector constitutes over 70 percent of the annual demand. Build-out water demand is based on 3,426 gpd/acre for the non-

residential sector and 72 gallons per capita per day (gpcd) consumption for residents. Existing and forecast demand are summarized in Table 4.18.

The San Simeon CSD depends on groundwater from the Pico Creek underflow. Though the State Board permits extraction of up to 140 AFY, groundwater studies indicate a safe yield of only 120 AFY, with 16 AFY used at Hearst Ranch. This leaves the San Simeon CSD with a safe yield of 104 AFY. The 2007 Water System Master Plan does not suggest future water supply alternatives, although historically San Simeon CSD has been water-short numerous times during dryer years. Because of the limitations and unreliability of the supply, a moratorium on development has been in place since 1991.

San Simeon CSD adopted an ordinance establishing a 3-stage conservation plan based on water supply conditions. The community has also gone through a retrofit program and the hotels and restaurants continuously have water conservation measures in place. Table 4.18 summarizes the water demand and supply for San Simeon CSD.

The San Simeon CSD plans to move forward with upgrading its wastewater treatment facility to use the treated effluent as recycled water. By July 2012, the facility will be producing Title 22 recycled water, but it will only be available to commercial trucks that connect to an on-site tank. The long-term plan is to construct a recycled water distribution system. Desalination or coordination with the Hearst Ranch on a groundwater source of supply to meet build-out needs are options under consideration.

Contamination of water supply wells due to seawater intrusion is a major water quality concern in the basin (Cleath, 1986). Lowering of groundwater levels below sea level in the basin during the summer months when creek flows are absent and pumping is active can result in the landward migration of the sea water/fresh groundwater interface. The landward flow of seawater into the estuary during winter high tides is also a contributing factor. Although seawater intrusion has increased salinity levels in groundwater pumped from local water supply wells, it has not degraded water quality to the point that the water is non-potable. The 2008 Consumer Confidence Report for two San Simeon CSD wells reported that measured concentrations of all analyzed contaminants were below their respective Maximum Contaminant Level (MCL) or Regulatory Action Level (AL) values.

4.6.6.1.2 *Rural Users*

The existing rural demand for WPA 1 is approximately 20 AFY and future is approximately 50 AFY.

Table 4.18 San Simeon CSD Demand and Supply	
	San Simeon CSD
Demand	
Existing Demand (AFY)	108[1]
Forecast Demand (AFY)	250[2][3]
Supply	
Pico Creek Valley Groundwater Basin (AFY)[4]	140
San Carpoforo Valley Groundwater Basin (AFY)[5]	0
Arroyo De La Cruz Valley Groundwater Basin (AFY)	0
Other Groundwater Supply Sources (AFY)	0
State Board Water Diversions (AFY)	0
Total Supply (AFY)	**140**

Notes:
1. Demands fluctuate between 70 and 140 AFY due to changes in tourism.
2. Extensive conservation program in place. No further conservation expected at build-out by San Simeon CSD.
3. Most recent master plan forecast a build-out demand of 224 AFY, but San Simeon CSD's current build-out demand estimate is 250 AFY.
4. Estimated safe basin yield of Pico Creek underflow is 120 AFY.
5. No estimates of basin yield exist.

4.6.6.1.3 *Agricultural Users*

The existing annual applied water for WPA 1 is approximately 70 AFY. The existing crops in this area include citrus and vineyards. The projected future annual applied water for WPA 1 ranges from approximately 10 to 60 AFY. The projected future agricultural demand is less than existing, due to increased irrigation efficiencies and no additional crops in this area. Given the current land use, the demand projection for WPA 1 in particular could be refined significantly by taking ranching operations water use and conservation easement provisions into account.

4.6.6.1.4 *Environmental*

The total unimpaired mean annual discharge in WPA 1 is approximately 104,490 AFY and environmental water demand is approximately 72,980 AFY. WPA 1 was divided into eight sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for each of these areas. Some of the creeks included in these sub-watersheds include San Carpoforo, Honda Arroyo, Arroyo de la Cruz, Arroyo de la Laguna, Arroyo del Osos, Arroyo del Corral, Arroyo Laguna, and Pico Creek.

4.6.6.1.5 *San Simeon WPA 1 Water Demand and Supply Summary*

Table 4.19 San Simeon WPA 1 Demand and Supply

	San Simeon CSD	Agriculture	Rural	Environmental
Demand				
Existing Demand (AFY)	108[1]	70[2]	20[2]	
Forecast Demand (AFY)	250[3][4]	10 - 60[2]	50[2]	
Supply				
Pico Creek Valley Basin (AFY)[5]	140	[6]	[6]	
San Carpoforo Valley Basin (AFY)[7]	0	Uncertain	Uncertain	
Arroyo De La Cruz Valley Basin (AFY)	0	[8][9]	[9]	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
State Board Water Diversions (AFY)	0	[10]	[10]	
Total Supply (AFY)	**140**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)[11][13]				72,980
Unimpaired Mean Annual Discharge (AFY)[12][13]				104,490

Notes:

1. Demands fluctuate between 70 and 140 AFY due to changes in tourism.
2. Agricultural and rural demand calculations do not account for livestock operations, and likely underestimates actual water demands. For example, Hearst Holdings Inc. makes up the majority of agriculture/rural land ownership in this WPA and has submitted surface water diversion reporting forms to the SWRCB estimating 1,829 AFY of irrigation, livestock and domestic usage for their property from surface sources.
3. Extensive conservation program in place. No further conservation expected at build-out by San Simeon CSD.
4. Most recent master plan forecast a build-out demand of 224 AFY, but San Simeon CSD's current build-out demand estimate is 250 AFY.
5. Estimated safe basin yield of Pico Creek underflow is 120 AFY
6. 70 AFY of Pico Creek livestock and domestic usage was reported by Hearst Holdings Inc. to the State Board in June 2010.
7. No estimates of basin yield exist
8. 1,607 AFY of Arroyo De La Cruz Underflow is reported in the State Board diversion database as a permitted appropriative water right for Hearst Holdings Inc.
9. Estimated safe basin yield is 1,244 AFY and all pumping is for agricultural or rural users
10. Diversions from sources other than the three basins noted above total 238 AFY according to diversion reporting forms to the SWRCB from Hearst Holdings Inc. (June 2010) and the SWRCB diversion database.
11. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally

Table 4.19 San Simeon WPA 1 Demand and Supply				
	San Simeon CSD	Agriculture	Rural	Environmental
threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species. 12. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation. 13. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.				

4.6.6.2 Cambria WPA 2

The water supply sources for this WPA include San Simeon Valley, Santa Rosa Valley, and Villa Valley Groundwater Basins, other groundwater supply sources, and State Board water diversions.

4.6.6.2.1 *Cambria CSD*

Source: 2005 Cambria CSD Urban Water Management Plan, 2008 Water Master Plan EIR, Discussion with Engineering Manager August 2010, 2008/09 Resource Management System

The Cambria Community Services District (Cambria CSD) is an independent special district that provides water, wastewater, fire and other community services to its customers. Cambria is located is located along Highway 1, approximately 35 miles north of the City of San Luis Obispo.

Cambria's urban reserve line (URL) encompasses approximately 2,351 gross acres, with a net acreage of approximately 1,790 acres, not counting the land in the road rights of way and beach areas along the ocean. Cambria primarily consists of residential uses with combinations of commercial and public institutional uses along Main Street. The surrounding outlying areas are devoted to agricultural uses, primarily grazing.

Cambria's existing population is 6,284 residents and the build-out population ranges between 8,257 and 13,547 depending on assumptions. The current direction in Cambria is to plan for 7,719 (based on 4,650 dwelling units and 1.66 persons/DU). Existing and forecast demand are summarized in Table 4.20.

Table 4.20 Cambria CSD Demand and Supply	
	Cambria CSD
Demand	
Existing Demand (AFY)	706
Forecast Demand (AFY)	1,009 – 1,514[1]
Supply	
San Simeon Valley Groundwater Basin (AFY)[2]	1,230[4, 6]
Santa Rosa Valley Groundwater Basin (AFY)[3]	518[5, 6]
Villa Valley Groundwater Basin (AFY)	0
Other Groundwater Supply Sources (AFY)	0
State Board Water Diversions (AFY)	0
Total Supply (AFY)	**1,748**

Notes:
1. The low end of the demand range for Cambria CSD represents maintaining current conservation practices and is the lowest demand scenario from the district's water master plan. The Cambria CSD Water Master Plan presents several build-out scenarios with a range of annual demand projections from as low as 1,009 AFY to as high as 2,714 AFY. The high range of the forecast demand reflects a planning target for Scenario 4, a 50 percent quality of life increase in demand allowance and a 1.66 people/unit occupancy rate (Table 2.7, Assessment of Long-Term Water Supply Alternatives).
2. Estimated safe basin yield is 1,040 AFY
3. Estimated safe basin yield is 2,260 AFY
4. State Board allows Cambria CSD 1,230 AFY maximum extraction and 370 AF dry season extraction
5. State Board allows Cambria CSD 518 AFY maximum extraction and 260 AF dry season extraction
6. California Coastal Commission limits Cambria CSD total diversion from both San Simeon and Santa Rosa Creeks to 1,230 AFY

To meet current water demand, the Cambria CSD operates wells that draw from local groundwater aquifers along the San Simeon and Santa Rosa Creeks. Cambria CSD's water rights are subject to the regulatory authority of the State Board, and to a certain extent, conditions imposed under development permits issued by the California Coastal Commission (CCC). The current water rights diversion permits from the State Board allow Cambria CSD to pump a maximum of 1,118 acre-feet (AF) of water during the wet season, and 630 AF of water during the dry season , from both the San Simeon and Santa Rosa Valley Groundwater Basins. However, the current CCC Development Permit limits the total annual diversion from both creeks to no more than 1,230 AF of water. Additionally, the dry season date, duration, and beginning groundwater levels, limit the actual availability of groundwater from both basins. Currently the water supply of Cambria CSD is at a Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands.

To meet the additional water supply needs towards build-out and to increase water supply reliability, the Cambria CSD plans to construct a Seawater Desalination Plant to produce up to 602 AFY. This plant would operate during the dry season to augment supply during that period of high demand. A decentralized recycled water program is also planned, with an estimated 180 AFY made available for unrestricted irrigation use.

Historically, the Cambria CSD has used conservation as a means to extend its existing supplies. Since 1988, a plumbing retrofit program has required the installation of water efficient fixtures upon resale or remodel of a home. The program was expanded in 1990 to require water efficient fixtures for new construction and for existing buildings that require a new connection permit. Since that time, the Cambria CSD has initiated a number of other conservation measures, including rebate programs and plumbing requirements that have resulted in an estimated savings of 18.9 AFY. Table 4.21 summarizes the water demand and supply for Cambria CSD.

In 1999, the Cambria CSD learned of an MTBE contamination plume that was spreading towards its Santa Rosa well field. As a result, its existing Santa Rosa well field was shut down and an emergency well and treatment plant were constructed further upstream. The new treatment plant provides filtering, disinfection, as well as the removal of iron and manganese. The adjustments made in well locations and the additional treatment provided for the Santa Rosa Creek well have resulted in delivery of water to customers that meet both primary and secondary drinking water standards.

4.6.6.2.2 *Rural Users*

The existing rural demand for WPA 2 is approximately 100 AFY and future is approximately 190 to 220 AFY.

4.6.6.2.3 *Agricultural Users*

The existing annual applied water for WPA 2 is approximately 640 AFY. The existing crops in this area include citrus, deciduous, vegetable, and vineyards. The projected future annual applied water for WPA 2 ranges from approximately 740 to 1,490 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of all of the existing crop groups, especially vegetables and vineyards.

4.6.6.2.4 *Environmental*

The total unimpaired mean annual discharge in WPA 2 is approximately 87,050 AFY and environmental water demand is approximately 51,460 AFY. WPA 2 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for each of these areas. Creeks in these sub-watersheds include San Simeon, Santa Rosa, and Villa Creek.

4.6.6.2.5 *Cambria WPA 2 Water Demand and Supply Summary*

Table 4.21 Cambria WPA 2 Demand and Supply

	Cambria CSD	Agriculture	Rural	Environmental
Demand				
Existing Demand (AFY)	706	640	100	
Forecast Demand (AFY)	1,009 - 1,514 (1)	740 - 1,490	190 - 220	
Supply				
San Simeon Valley Basin (AFY) (2)	1,230 (4)(6)	Uncertain	Uncertain	
Santa Rosa Valley Basin (AFY)(3)	518(5)(6)	Uncertain	Uncertain	
Villa Valley Basin (AFY)	0	(7)	(7)	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
State Board Water Diversions (AFY)	0	(8)	(8)	
Total Supply (AFY)	**1,748**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY) (9)(11)				51,460
Unimpaired Mean Annual Discharge (AFY) (10)(11)				87,050

Notes:

1. The low end of the demand range for Cambria CSD represents maintaining current conservation practices and is the lowest demand scenario from the district's water master plan. The Cambria CSD Water Master Plan presents several build-out scenarios with a range of annual demand projections from as low as 1,009 AFY to as high as 2,714 AFY. The high range of the forecast demand reflects a planning target for Scenario 4, a 50% quality of life increase in demand allowance and a 1.66 people/unit occupancy rate (Table 2.7, Assessment of Long-Term Water Supply Alternatives).
2. Estimated safe basin yield is 1,040 AFY
3. Estimated safe basin yield is 2,260 AFY
4. State Board allows Cambria CSD 1,230 AFY maximum extraction and 370 AF dry season extraction
5. State Board allows Cambria CSD 518 AFY maximum extraction and 260 AF dry season extraction
6. California Coastal Commission limits Cambria CSD total diversion from both San Simeon and Santa Rosa Creeks to 1,230 AFY
7. Estimated safe basin yield is 1,000 AFY and all pumping is for agricultural or rural users
8. Diversions do not distinguish type of use. Potentially 158 AFY could be diverted for use to either

Table 4.21 Cambria WPA 2 Demand and Supply				
	Cambria CSD	Agriculture	Rural	Environmental
agriculture or rural residential. 9. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species. 10. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation. 11. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.				

4.6.6.3 Cayucos WPA 3

The water supply sources for this WPA include Whale Rock Reservoir, the Nacimiento Water Project, Cayucos Valley, Old Valley, and Toro Valley Groundwater Basins, other groundwater supply sources, and State Board water diversions.

4.6.6.3.1 *Cayucos Area Water Organization (Morro Rock Mutual Water Company, Paso Robles Beach Mutual Water Company, County Service Area 10A, Cayucos Cemetery District)*

Source*: 2007 Water Management Plan Update and 2003 CSA 10A Water System Master Plan*

Cayucos is a small oceanfront community with a mixture of vacation homes and full-time residences. A commercial sector serves both the residential and tourist population. The Cayucos Area Water Organization (CAWO) is made up of three member utilities and a cemetery district, the Morro Rock Mutual Water Company (Morro Rock MWC), the Paso Robles Beach Water Association (PRBWA), County Service Area 10A (CSA 10A) and Cayucos Cemetery District (CCD). CSA 10A operates a surface water treatment plant that delivers filtered and chlorinated water to the CAWO members. The three utility purveyors supply their customers with domestic water service, landscape irrigation and fire protection, among other services. The CCD uses the water for irrigation purposes. Existing and forecast demand are summarized in Table 4.22.

CAWO members receive water from Whale Rock Reservoir with a maximum total annual entitlement of 600 AFY, allocated to each member according to Table 4.22. Several wells are also available to CAWO members. The wells are primarily used as emergency back-up supplies. Most of the wells extract water from an aquifer that is replenished by recharge

Table 4.22 Cayucos Area Water Organization Demand and Supply

	Morro Rock MWC[1]	Paso Robles Beach Water Assoc.[1]	CSA 10A[1]	Cayucos Cemetery District[1]
Demand				
Existing Demand (AFY)	121	163	132	16
Forecast Demand (AFY)	164 - 173	207 - 218	220 - 232	17 - 18
Supply				
Whale Rock (Supplies Urban Demands) (AFY)	170	222	190	18
Nacimiento Water Project (2010) (AFY)[2]	0	0	25 - 90	0
Cayucos Valley Groundwater Basin (AFY)[3]	0	0	0	0
Old Valley Groundwater Basin (AFY)[4]	0	0	0	0
Toro Valley Groundwater Basin (AFY)[5]	0	0	0	0
Other Groundwater Supply Sources (AFY)	0	0	0	0
State Board Water Diversions (AFY)	3[6]	0	0	0
Total Supply (AFY)	**173**	**222**	**215 - 280**	**18**

Notes:

1. The Cayucos Area Water Organization includes the Morro Rock MWC, the Paso Robles Beach Water Association, CSA 10A, and the Cayucos Cemetery District. The low end of the forecast demand range assumes 5% additional conservation (beyond what has already been accomplished) at build-out.
2. CSA 10A has procured 25 - 90 AFY of Nacimiento Water Project from City of San Luis Obispo. Water will be taken from Whale Rock. Agreement provisions allow for up to 90 AFY of NWP if necessary. Nacimiento water could be delivered to Morro Rock MWC or Paso Robles Beach Water Association, as part of this arrangement.
3. Estimated safe basin yield is 600 AFY and the majority of pumping is for agricultural or rural users, but a small public water system does serve a mobile home park.
4. Includes Whale Rock Reservoir. Most of the wells extract water that is replenished by recharge from Whale Rock Reservoir. Water drawn from these wells is also limited by the 664 AFY entitlement from Whale Rock Reservoir. Note that CAWO agencies receive water directly from the reservoir via pipeline and the treatment plant.
5. Estimated safe basin yield is 500 AFY and the majority of pumping is for agricultural or rural users
6. Only 3 AFY is diverted for a school and park irrigation, but up to 56 AFY is the permitted diversion from Little Cayucos Creek underflow. 56 AFY is part of the 600 AFY safe basin yield for the Cayucos Valley Basin. Due to water quality, the remaining 53 AFY could be used for domestic supply following treatment.

from Old Creek and Whale Rock Reservoir. Water drawn from these wells is also limited by the 600 AFY entitlement from the Whale Rock Reservoir. One Morro Rock MWC well draws from Little Cayucos Creek Valley and is not subject to this limitation. In addition to these agencies, Whale Rock Reservoir water entitlements are assigned to two downstream land owners (Mainini Ranch at 50 AFY and Ogle at 14 AFY). Therefore, the total reservoir entitlement to CAWO and the land owners is 664 AFY.

CSA 10A has procured an additional entitlement of 25 AFY through the Nacimiento Water Project. This water will be taken from the Whale Rock Reservoir in an exchange agreement with the City of San Luis Obispo. The agreement allows up to 90 AFY to be exchanged, which may be a way to address any future needs of the CAWO.

Aluminum has occasionally been found in delivered water at levels that exceed the secondary MCL of 200 ppb. The high aluminum levels are due to residue from the water treatment process. Better control of the treatment process has resulted in lower levels of aluminum in recent water quality tests. Manganese has been found in raw water from the CAWO well at levels that exceed the secondary MCL of 50 ppb. Since this well contributes less than one percent of the total supply, manganese is not detectable in delivered water.

4.6.6.3.2 *Rural Users*

The existing rural demand for WPA 3 is approximately 80 AFY and future range is from approximately 130 to 140 AFY.

4.6.6.3.3 *Agricultural Users*

The existing annual applied water for WPA 3 is approximately 520 AFY. The existing crops in this area include citrus, vegetables, and vineyards. The projected future annual applied water for WPA 3 ranges from approximately 430 to 800 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, vegetables, and vineyards.

4.6.6.3.4 *Environmental*

For WPA 3, the total unimpaired mean annual discharge is approximately 33,340 AFY and environmental water demand is approximately 26,160 AFY. WPA 3 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for each of these areas. Creeks in these sub-watersheds include Cayucos and Toro Creek.

4.6.6.3.5 *Cayucos WPA 3 Water Demand and Supply Summary*

Table 4.23 Cayucos WPA 3 Supply and Demand

	Morro Rock MWC[1]	Paso Robles Beach Water Association[1]	CSA 10A[1]	Cayucos Cemetery District[1]	Agriculture	Rural	Environmental
Demand							
Existing Demand (AFY)	121	163	132	16	520	80	
Forecast Demand (AFY)	164-173	207-218	220-232	17-18	430-800	130-140	
Supply							
Whale Rock (Supplies Urban Demands) (AFY)	170	222	190	18	0	0	
Whale Rock (Supplies Mainini Ranch and Ogle) (AFY)	-	-	-	-	64	0	
Nacimiento Water Project (2010) (AFY)[2]	0	0	25-90	0	0	0	
Cayucos Valley Basin (AFY)	0	0	0	0	[3]	[3]	
Old Valley Basin (AFY)[4]	-	-	-	-	-	-	
Toro Valley Basin (AFY)	0	0	0	0	[5]	[5]	
Other Groundwater Supply Sources (AFY)	0	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	3[6]	0	0	0	[7]	[7]	
Total Supply (AFY)	**173**	**222**	**215-280**	**18**	**Uncertain**	**Uncertain**	
Environmental Water Demand							
Environmental Water Demand (AFY)[8][10]							26,160
Unimpaired Mean Annual Discharge (AFY)[9][11]							33,340

Notes:
1. The Cayucos Area Water Organization includes the Morro Rock MWC, the Paso Robles Beach Water Association, CSA 10A, and the Cayucos Cemetery District. The low end of the forecast demand range assumes 5% additional conservation (beyond what has already been accomplished) at build-out.
2. CSA 10A has procured 25 - 90 AFY of Nacimiento Water Project via exchange with City of San Luis Obispo for Whale Rock Reservoir water. Agreement provisions allow for up to 90 AFY of NWP if necessary. Nacimiento water could be delivered to Morro Rock MWC or Paso Robles Beach Water Association, as part of this arrangement.
3. Estimated safe basin yield is 600 AFY and the majority of pumping is for agricultural or rural users, but a small public water system does serve a mobile home park.
4. Includes Whale Rock Reservoir. Most of the wells extract water that is replenished by recharge from Whale Rock Reservoir. Water drawn from these wells is also limited by the 664 AFY entitlement from Whale Rock Reservoir. Note that CAWO agencies receive water directly from the reservoir via pipeline and the treatment plant.
5. Estimated safe basin yield is 500 AFY and the majority of pumping is for agricultural or rural users
6. Only 3 AFY is diverted for a school and park irrigation, but up to 56 AFY is the permitted diversion from Little Cayucos Creek underflow. 56 AFY is part of the 600 AFY safe basin yield for the Cayucos Valley Basin. Due to water quality, the remaining 53 AFY could be used for domestic supply following treatment.
7. Diversions do not distinguish type of use. Potentially 65 AFY could be diverted for use to either agriculture or rural residential.
8. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
9. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
10. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.6.6.4 Morro Bay WPA 4

The water supply sources for this WPA include State Water Project water, desalination, Whale Rock Reservoir, Chorro Reservoir, Morro Valley and Chorro Valley Groundwater Basins, other groundwater supply sources, and State Board water diversions.

4.6.6.4.1 *City of Morro Bay*

Source*: City of Morro Bay 2005 UWMP and 2007 Morro Bay Nitrate Study*

The City of Morro Bay provides water service to over 5,500 connections, including over 10,000 residents, businesses, industrial facilities, and public facilities. The population estimate in 2005 was 10,270 according to the 2005 Urban Water Management Plan (2005 UWMP). Its coastal location attracts a large number of tourists during the summer and on weekends. The motels, hotels, restaurants, State Parks, and other facilities serving the tourist population add a significant water demand to the local population living primarily in single-family residences. The 2005 UWMP assumed a build-out population of 12,900, estimated to be achieved in 2028. The existing and forecast demand are summarized in Table 4.24.

The City has multiple sources of potable water. Two groundwater basins, the Chorro and Morro Valley Groundwater Basins, were used exclusively prior to the City's connection to the State Water Project. The City also operates a desalination plant and has mutual aid agreements with the California Men's Colony and the Whale Rock Commission for emergency supply.

The groundwater basins have encountered several water quality issues, including seawater intrusion, methyl tertiary butyl ether (MTBE) contamination, and excessive nitrates, forcing the City of Morro Bay to reduce extraction from groundwater sources. In addition, the State Board permitted allocation allows withdrawals from the Chorro Basin only when creek flows exceed 1.4 cubic feet per second (cfs). Nevertheless, strategic management of these sources should allow the City of Morro Bay to reliably extract 581 AFY from the Morro Basin and 566 AFY from the wells that penetrate the Chorro Basin, for a total of 1,147 AFY, even in dry years.

The City contracts with the District for 1,313 AFY of State Water. The City also has a Drought Buffer Water Agreement with the District for 2,290 AFY that will allow the City to receive its full 1,313 AFY allocation when the SWP can deliver at least 36.5 percent of contracted allocations (see SWP discussion). The City has been noted as being potentially interested in an additional 750 AFY of State Water and 1,500 AFY of Drought Buffer, should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09).

The SWP shuts down for annual maintenance activities each fall/winter during which the City has used its alternative supplies. In 2008, the SWP shutdown took place when

groundwater quality issues were limiting the City's use of well water. The shortfall was made up for through an agreement with the California Men's Colony to provide the City with water during that period.

The desalination plant was constructed in 1993 as a secondary supply during a drought. It has been used intermittently since that time, but raw water quality problems have limited its use. Plans to modernize the desalination plant should restore capacity to 645 AFY. Future needs could be met by doubling the desalination plant's capacity.

Other potential future supplies include the jointly operated Morro Bay - Cayucos Sanitary District Wastewater Treatment Plant. The plant is slated for a major upgrade in 2014. Production of tertiary effluent will be provided, and thus will provide increased opportunity for future water recycling to augment water supplies.

Since the early 1990s, the City has implemented a rigorous water conservation program to promote more efficient use of existing water resources. The City is a member of the County's Partners in Water Conservation. The water conservation program has had a significant impact, reducing average per capita water demand from 154 to about 129 gpcd (141 gpcd in dry years) or 8 to 16 percent. As noted in the City's 2005 Sewer Collection System Master Plan Update, flows in 2005 were lower than in 1986, even with a 10 percent increase in population.

Elements of the conservation program include:

- Progressively tiered water rate structure
- Creation of a developer funded low-flow toilet retrofit program
- Adoption of multi-level drought response program with increasing limits on irrigation and non-essential uses of potable water
- Promotion of many of the Water Conservation BMPs to be pursued by all contractors of the State Water Project, including an ongoing rebate program for homeowner installation of water-efficient appliances.

As mentioned above, groundwater quality issues are an ongoing concern, but the City's ability to obtain water from multiple sources and to blend them as needed to meet State drinking water standards has lessened the concerns that water quality issues could hamper the City from meeting future water demands.

4.6.6.4.2 *Chorro Valley Water System (California Men's Colony, Cuesta College Camp SLO (National Guard) County Operations Center/Office of Education)*

The California Men's Colony (CMC) is a state prison located on Highway 1 west of San Luis Obispo. The CMC operates its own water supply, treatment and distribution system for inmates and staff. CMC also wheels water to Camp San Luis Obispo (National Guard), Cuesta College, County Operations Center (includes Fleet Services, Water Quality

Laboratory, Juvenile Detention Center, County Jail, Office of Emergency Services), and County Office of Education. This system is also known as the Chorro Valley Water System. Existing and forecast demand are summarized in Table 4.24.

The CMC water system serves an inmate and staff population of 8,456. No expansion of this service population is planned, though a reduction in staff and inmate population is currently being considered by the legislature. Cuesta College can service up to 6,500 students; however, on any given day, it is estimated that student/faculty population is around 1,500. Camp San Luis Obispo's total population/employees on base was not available.

Table 4.24 summarizes the water demands for CMC, Camp San Luis Obispo, Cuesta College and County Operations Center/Office of Education. Other minor water demands for the fire station, Achievement House and Foster Ranch (6.22 AFY in total) are excluded from the individual summaries below.

CMC operates a 3.0 MGD water treatment facility at the Chorro Reservoir, and delivers water to Camp San Luis Obispo, Cuesta College, and County Operations Center/Office of Education. These entities receive water from three sources (and a fourth source for emergencies), as follows:

- Chorro Reservoir: This reservoir is located less than one mile northeast of CMC in the upper Chorro watershed. The reservoir and treatment plant were constructed by the US Army Corps of Engineers to provide water to Camp San Luis Obispo at the beginning of World War II. The net storage capacity of Chorro Reservoir has decreased since it was constructed due to sedimentation, and is currently about 90 AF, according to recent studies. Camp San Luis Obispo holds the first 140 AFY entitlement to this surface water; during surplus water years, any excess to the 140 AFY is used by CMC. Flow must be maintained in Chorro Creek downstream of the reservoir for riparian habitat enhancement.
- Whale Rock Reservoir: CMC is one of three owners (Cal Poly and the City of San Luis Obispo are the others) holding a partial entitlement to Whale Rock Reservoir. CMC owns an 11.24 percent share of the reservoir's capacity, which allows them to withdraw approximately 420 AFY. Raw lake water is pumped from Whale Rock Reservoir in Cayucos via a 30-inch diameter steel water main to the three owners. CMC's turnout delivers water to the CMC water treatment plant for treatment, prior to distribution.
- State Water: CMC contracts with the District for 400 AFY of State Water. CMC also has a Drought Buffer Water Agreement with the District for 400 AFY that will allow CMC to receive its 400 AFY allocation when the SWP can deliver at least 50 percent of contracted allocations (see State Water Project discussion). Cuesta College contracts with the District for 200 AFY of State Water and 200 AFY of Drought Buffer; however, CMC receives 60 AFY of this 200 AFY allocation per agreement for

Table 4.24 Morro Bay and Chorro Valley Water Demand and Supply

	Morro Bay	CMC[2]	Camp San Luis Obispo (National Guard)[2]	County Operations Center/Office of Education[2]	Cuesta College[2]
Demand					
Existing Demand (AFY)	1,620[1]	1,135	138	94	125
Forecast Demand (AFY)	2,040[1]	1,135	138	94	125
Supply					
State Water Project (AFY)[3]	1,313	735[4]	0	150[4]	140[4]
Desalination Plant (AFY)	645	0	0	0	0
Whale Rock Reservoir (AFY)	0[5]	420	0	25[6]	0
Chorro Reservoir (AFY)	0	25[7]	140	0	0
Morro Valley Basin (AFY)[8]	581	0	0	0	0
Chorro Valley Basin (AFY)[9]	566	0	200[10]	0	0
Other Groundwater Supply Sources (AFY)	0	0	0	0	0
Recycled Water (AFY)	0	0	0	0	0
SWRCB Water Diversions (AFY)	0	0	0	3	0
Total Supply (AFY)	**3,105**	**1,180**	**340**	**178**	**140**

Notes:
1. Water demands based on the 2005 Urban Water Management Plan (UWMP), which will be updated for the 2010 UWMP. Year 2009 demands were less than 1,620 AFY.
2. Part of Chorro Valley Water System.
3. State Water Project average allocation assumed 66 percent of contract water service amount.
4. CMC receives 60 AFY of Cuesta College 200 AFY allocation. County Operations Center provides up to 275 AFY from their 425 AFY State Water Project allocation to CMC. Totals in table reflect these agreements.
5. Mutual aid agreements with CMC and Whale Rock Commission for emergency supply only.

Table 4.24 Morro Bay and Chorro Valley Water Demand and Supply

	Morro Bay	CMC[2]	Camp San Luis Obispo (National Guard)[2]	County Operations Center/Office of Education[2]	Cuesta College[2]

6. 25 AFY of Whale Rock water provided by CMC as part of the County Well No. 1 development agreement.
7. Rights to any Chorro Reservoir excess from Camp San Luis Obispo.
8. Estimated safe basin yield is 1,500 AFY and the groundwater is used by urban, agriculture and rural users.
9. Perennial yield estimated at 2,210 AFY and the groundwater is used by urban, agriculture and rural users.
10. County Well No. 1.

wheeling the water to Cuesta College. The County Operations Center/Office of Education has a 425 AFY allocation of State Water and a 425 AFY allocation of Drought Buffer. The County Operations Center never fully utilizes this allocation, so CMC utilizes the excess State Water allocation per agreement. This study assumes that the County Operations Center receives 150 AFY and that CMC receives 275 AFY of the 425 AFY allocation.

- Groundwater Wells: CMC is in the process of rehabilitating an on-site well (County Well No. 1). Once rehabilitated, this well water source will be allocated to Camp San Luis Obispo; however, the water quality is such that it will be conveyed to the CMC water treatment plant, treated, and wheeled back to Camp San Luis Obispo for use.
- Salinas Reservoir Waterline: The Salinas Reservoir waterline was extended from the Cuesta Water Tunnel to the Chorro Reservoir as part of the original improvements in World War II. The pipeline has only been used to convey water from the Salinas Reservoir to Camp San Luis Obispo twice since construction.

The following summarizes the pertinent water related agreements between the various agencies.

- CMC/Cuesta College: CMC and Cuesta College entered into agreement on June 19, 2000, for water supply and wastewater treatment services. The term of this contract is indefinite. As indicated above, Cuesta College has a 200 AFY SWP allocation; however, CMC at this time utilizes 60 AFY of this allocation. Cuesta's allocation includes 200 AFY drought buffer. Furthermore, in the event State Water is not available, CMC is obligated to supply Cuesta with "replacement" water in an amount equal to Cuesta's allocation of 200 AFY (not including the 60 AFY currently being utilized by CMC).
- CMC/Camp San Luis Obispo: CMC agrees to process water at no cost to Camp San Luis Obispo. Camp San Luis Obispo has first rights to water from County Well No. 1. In exchange, Camp San Luis Obispo provides 25 AFY of Chorro Reservoir entitlement to CMC and CMC has free use of Camp San Luis Obispo hospital and firing range.
- CMC/County Operations Center: County Operations Center provides up to 275 AFY from its 425 AFY of State Water in exchange for wheeling the remaining 150 AFY. If the County Operations Center provides less than 275 AF, it will reimburse CMC for a pro rata share of potable water wheeling and capital improvement costs to the WWTP. If CMC uses more than 275 AFY from the County Operations Center, CMC will reimburse the County for variable costs of excess State Water used. The County Operations Center will fund any needed improvements to CMC operated facilities if CMC wheels more than 150 AFY.
- County Operations Center/State (CMC and Camp San Luis Obispo): Allows the State (CMC) to develop and pump from County Well No. 1. CMC will provide the County

Operations Center 25 AFY after well is developed. CMC and the County Operations Center will share pumped water equally after CMC uses first 150 AFY. Water provided to the County by CMC will be Whale Rock Water. State may terminate agreement if well production is below 100 AFY or well water quality cannot be used. The County Operations Center may terminate agreement if State uses water for new non-government purposes.

The CMC wastewater treatment facility, located southwest of the Cuesta College Campus, treats wastewater from CMC, Camp San Luis Obispo, Cuesta College, and the County Operations Center. Currently, the WWTP provides up to 275 AFY of tertiary treated effluent to the Dairy Creek Golf Course, owned and operated by the County of San Luis Obispo. Recycled water is also used to provide a minimum flow of 0.75 cfs in Chorro Creek for riparian habitat enhancement.

CMC is considering participation in the Nacimiento Water Project. CMC has contacted the District requesting from 200 AFY to 400 AFY of Nacimiento Water for future supply reliability and minor demand increases. Such allocation is available; however, it is uncertain at this time if they will participate due to costs and other factors. CMC has also expressed interest in any State Water that may become available.

CMC delivers excellent quality drinking water to its customers, from the three surface water supplies (Whale Rock, State Water, and Chorro Reservoir). Water consistently meets all primary drinking water standards, and levels of nitrates are very low (<2.3 mg/L). Total dissolved solids ranged from 357 to 440 mg/L, with an average of 389 mg/L.

4.6.6.4.3 *Rural Users*

The existing rural demand for WPA 4 is approximately 120 AFY and projected future range is from 190 to 220 AFY.

4.6.6.4.4 *Agricultural Users*

The existing annual applied water for WPA 4 is approximately 2,060 AFY. The existing crops in this area include citrus, irrigated pasture, vegetable, and vineyards. The projected future annual applied water for WPA 4 ranges from approximately 1,690 to 2,440 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, vegetables, and vineyards.

4.6.6.4.5 *Environmental*

The unimpaired mean annual discharge for WPA 4 is approximately 43,430 AFY and environmental water demand is approximately 27,880 AFY. WPA 4 was divided into two sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. Creeks in these sub-watersheds include Morro and Chorro Creek.

4.6.6.4.6 *Morro Bay WPA 4 Water Demand and Supply Summary*

Table 4.25 Morro Bay WPA 4 Supply and Demand

	Morro Bay	CMC[2]	Camp San Luis Obispo (National Guard)[2]	County Operations Center/Office of Education[2]	Cuesta College[2]	Agriculture	Rural	Environmental
Demand								
Existing Demand (AFY)	1,620[1]	1,135	138	94	125	2,060	120	
Forecast Demand (AFY)	2,040[1]	1,135	138	94	125	1,690 - 2,440	190 - 220	
Supply								
State Water Project (AFY)[3]	1,313	735[4]	0	150[4]	140[4]	0	0	
Desalination Plant (AFY)	645	0	0	0	0	0	0	
Whale Rock Reservoir (AFY)	0[5]	420	0	25[6]	0	0	0	
Chorro Reservoir (AFY)	0	25[7]	140	0	0	25[8]	0	
Morro Valley Basin (AFY)[9]	581	0	0	0	0	Uncertain[9]	Uncertain[9]	
Chorro Valley Basin (AFY)[10]	566	0	200[11]	0	0	Uncertain[10]	Uncertain[10]	
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	Uncertain	Uncertain	
Recycled Water (AFY)	0	0	0	0	0	0	275[12]	
SWRCB Water Diversions (AFY)	0	0	0	3	0	[13]	[13]	
Total Supply (AFY)	**3,105**	**1,180**	**340**	**178**	**140**	**Uncertain**	**Uncertain**	
Environmental Water Demand								
Environmental Water Demand (AFY)[14][16]								27,880
Unimpaired Mean Annual Discharge (AFY)[15][16]								43,430

Notes:
1. Water demands based on the 2005 Urban Water Management Plan (UWMP), which will be updated for the 2010 UWMP. Year 2009 demands were less than 1,620 AFY.
2. Part of Chorro Valley Water System.
3. State Water Project average allocation assumed 66 percent of contract water service amount.
4. CMC receives 60 AFY of Cuesta College 200 AFY allocation. County Operations Center provides up to 275 AFY from their 425 AFY State Water Project allocation to CMC. Totals in table reflect these agreements.
5. Mutual aid agreements with CMC and Whale Rock Commission for emergency supply only.
6. 25 AFY of Whale Rock water provided by CMC as part of the County Well No. 1 development agreement.
7. Rights to any Chorro Reservoir excess from Camp San Luis Obispo.
8. Mainini Ranch has agreement with Camp San Luis Obispo for a delivery of up to 25 AFY.
9. Estimated safe basin yield is 1,500 AFY and the groundwater is used by urban, agriculture and rural users.
10. Perennial yield estimated at 2,210 AFY and the groundwater is used by urban, agriculture and rural users.
11. County Well No. 1.
12. Dairy Creek Golf Course owned and operated by the County of San Luis Obispo.
13. Diversions do not distinguish type of use. Potentially 475 AFY could be diverted for use to either agriculture or rural residential.
14. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
15. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
16. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.6.6.5 Los Osos WPA 5

The water supply source for this WPA is the Los Osos Valley Groundwater Basin and State Board water diversions.

4.6.6.5.1 *Community of Los Osos (Los Osos CSD, Golden State Water Company, S&T Mutual Water Company)*

Source: 2002 Los Osos CSD Water Master Plan, GSWC files, 2009 CHG groundwater studies, Sea Water Intrusion in the Los Osos Groundwater Basin (presentation to Regional Water Quality Control Board), and the Interlocutory Stipulated Judgment (ISJ) Working Group's May 4, 2010 Los Osos Groundwater Basin Update

The community of Los Osos lies within the unincorporated coastal area of San Luis Obispo County, just south of the City of Morro Bay. Los Osos is bordered on the northwest by the Morro Bay Estuary and Morro Bay State Park; to the east by Los Osos Creek and its riparian corridor; and to the south and southwest by the Irish Hills and Montana de Oro State Park. The Los Osos Valley lies to the east of the community.

The community of Los Osos has been subject to a building moratorium since 1988, which has resulted in only limited development since that time. Upon completion of the wastewater project by the County, the moratorium may be lifted (subject to other resource issues such as water supply and habitat conservation).

The following three water purveyors serve the community of Los Osos:

- Los Osos Community Services District (Los Osos CSD)
- S & T Mutual Water Company (S&T MWC)
- Golden State Water Company (GSWC)

Los Osos consists of a mix of residential, commercial, agriculture, and recreational areas. Table 4.26, taken from various sources shows existing and future populations/connections in the service areas. Build-out projections for the GSWC service area have been revised in its updated Master Plan prepared in 2007. The revised plan projects that once the building moratorium is lifted, the number of water service connections will increase from 2,648 in 2006 to 4,381 by 2030.

Table 4.26 Population Estimates and Connection Data for Urban Water Purveyors (2002 Los Osos CSD WMP, 2009 RMS, and GSWC Files)		
Purveyor Name	**Existing (2008) Population**	**Build-out Population**
Los Osos CSD Water Service Area	8,500	9,324
S&T Mutual Water Company	525	535
	Existing (2006) Connections	**Build-out Connections**
GSWC Service Area	2,648	4,381

Existing and forecast demand are summarized in Table 4.27. The sole source of water for the Los Osos has been its groundwater basin. The Los Osos Valley Ground Water Basin under existing conditions, with existing septic systems in place and assuming no new water development, is estimated to have a safe basin yield of 3,200 AFY. This source is shared by the three water purveyors and many overlying private well users in the valley. After subtracting 1,100 AFY in agricultural irrigation, private domestic use and golf course irrigation, the purveyors have available for their use an estimated 2,100 AFY of sustainable safe yield.

Through the development of a basin management plan, one goal of the ISJ Working Group is to “provide for a continuously updated hydrologic assessment of the Basin, its water resources and safe yield.” The ISJ Working Group will be evaluating and identifying the management strategies to implement, in coordination with the County’s wastewater project, to improve conditions in the groundwater basin. Strategies under consideration include additional conservation, well relocation, use of shallow wells, nitrate removal, rainwater harvesting and graywater systems.

The County Planning Department has implemented an indoor retrofit-upon-sale program as a result of the County Board of Supervisors certifying a Level of Severity III for the groundwater basin. A mandatory fixture replacement program, which is part of the wastewater treatment facility project, will replace all toilets and urinals in the wastewater service area (also known as the “Prohibition Zone”) with low-flow devices. This action could reduce overall water consumption by 20 to 25 percent, with similar reductions expected in wastewater flows. The objective of fixture replacement program is to reduce indoor water use to 50 gallons per capita per day within the wastewater service area.

GSWC promotes conservation by providing free water conservation kits to all customers. Their outreach program is highlighted by an educational series explaining the “Five Golden

Table 4.27 Los Osos Area Demand and Supply			
	Los Osos CSD	**S&T MWC**	**Golden State Water Co.**
Demand			
Existing Demand (AFY)	951	94	998
Forecast Demand (AFY)	835-1,044(1)	77-96(1)	1,384-1,730(1)
Supply			
Los Osos Valley Basin (AFY)	(2)	(2)	(2)
Other Groundwater Supply Sources (AFY)	0	0	0
SWRCB Water Diversions (AFY)	0	0	0
Total Supply (AFY)	(2)	(2)	(2)

Notes:
1. The low end of the forecast demand range assumes 20 percent additional conservation (beyond what has already been accomplished) at build-out of current general plan.
2. Estimated safe basin yield is 3,200 AFY and all pumping is for urban, agricultural or rural users. Purveyors have 2,100 AFY available for their use. The remaining 1,100 AFY is used for agricultural irrigation, private domestic use, and golf course irrigation. (Los Osos Groundwater Basin Update, ISJ Working Group, May 4, 2010).

Rules" for water conservation, a series of video vignettes that explain simple ways that consumers can conserve water at home. GSWC also has a full-time Water Use Efficiency Manager and is a member of the California Urban Water Conservation Council (CUWCC).

Los Osos CSD is a member of San Luis Obispo County's Partners in Water Conservation. In addition, the District employs many of the Best Management Practices (BMPs) established by the CUWCC. Some of these BMPs worth mentioning include: offering free plumbing retrofit kits, providing public information, participating in grade school education programs, conducting water audits, and pricing water using a tiered rate structure.

Over the past three decades, Los Osos groundwater has been the focus of a number of studies. The main water quality concerns in the basin are nitrate and sea water intrusion. Excessive levels of nitrate in upper levels of the groundwater system have been attributed to the high density of individual septic systems. The Regional Water Quality Control Board (Regional Board) placed a development moratorium on the community until a centralized wastewater treatment plant could be built. As these individual systems are replaced with a centralized wastewater treatment system, it is expected that nitrate levels in groundwater will decrease over the next few decades. In the meantime, purveyors have reduced pumping from the upper (contaminated) aquifer and have drawn increasing amounts from

lower aquifers to deliver water suitable for drinking. Seawater intrusion, however, continues to be a growing concern, with the average horizontal rate of intrusion between 2005 and 2010, based on the 250 mg/L isochlor, being 700 feet per year.

4.6.6.5.2 *Rural Users*

The existing rural demand for WPA 5 is 20 AFY and projected future demand is approximately the same. The majority of WPA 5 is composed of agricultural and urban areas, so there are only a small number of parcels in WPA 5 where there could be additional rural development.

4.6.6.5.3 *Agricultural Users*

The existing annual applied water for WPA 5 is approximately 3,290 AFY. The existing crops in this area include deciduous, nursery, pasture, vegetable, and vineyards. The projected future annual applied water for WPA 5 ranges from approximately 2,750 to 3,770 AFY. The existing annual applied water falls within the range of projected future agricultural demand.

4.6.6.5.4 *Environmental*

The unimpaired mean annual discharge for WPA 5 is approximately 8,200 AFY and environmental water demand is approximately 7,040 AFY. The analysis for WPA 5 analyzed the area as one watershed that includes Los Osos Creek and an area of approximately 23 square miles.

4.6.6.5.5 *Los Osos WPA 5 Water Demand and Supply Summary*

Table 4.28 Los Osos WPA 5 Demand and Supply

	Los Osos CSD	S&T MWC	Golden State Water Company	Agriculture	Rural	Environmental
Demand						
Existing Demand (AFY)	951	94	998	3,290	20	
Forecast Demand (AFY)	835-1,044[1]	77-96[1]	1,384-1,730[1]	2,750-3,770	20	
Supply						
Los Osos Valley Basin (AFY)	(2)	(2)	(2)	(2)	(2)	
Other Groundwater Supply Sources (AFY)	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	(3)	(3)	
Total Supply (AFY)	(2)	(2)	(2)	(2)	(2)	
Environmental Water Demand						
Environmental Water Demand (AFY)[4][6]						7,040
Unimpaired Mean Annual Discharge (AFY)[5][6]						8,200

Notes:

1. The low end of the forecast demand range assumes 20 percent additional conservation (beyond what has already been accomplished) at build-out of current general plan.
2. Estimated safe basin yield is 3,200 AFY and all pumping is for urban, agricultural or rural users. Purveyors have 2,100 AFY available for their use. The remaining 1,100 AFY is used for agricultural irrigation, private domestic use, and golf course irrigation (Los Osos Groundwater Basin Update, ISJ Working Group, May 4, 2010).
3. Diversions do not distinguish type of use. Potentially 46 AFY could be diverted for use to either agriculture or rural residential.
4. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
5. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
6. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.6.7 South Coast Sub-Region

This section describes water supply, water demand, and water quality for WPAs 6 through 9:

- San Luis Obispo/Avila WPA 6: City of San Luis Obispo (includes County airport), Cal Poly San Luis Obispo, Avila Beach CSD, Avila Valley MWC, San Miguelito MWC, CSA 12, and Port San Luis
- South Coast WPA 7: Golden State Water Company (Edna Valley), NCMA (Pismo Beach, Arroyo Grande, Grover Beach, Oceano CSD), NMMA (Golden State Water Company, Nipomo CSD, Rural Water Company, Woodlands MWC, ConocoPhillips), and SMVMA
- Huasna Valley WPA 8: Overlying users
- Cuyama Valley WPA 9: Overlying users

The majority of existing rural parcels identified in South Coast Sub-Region are classified as developed rural residential, rural suburban, or developed rural lands. The majority of vacant parcels could be converted to rural residential in the future with rural land use designations.

4.6.7.1 <u>San Luis Obispo/Avila WPA 6</u>

The water supply sources for this WPA include the State Water Project, Whale Rock Reservoir, Salinas Reservoir, Nacimiento Water Project, Lopez Lake Reservoir, San Luis Valley, Avila Valley and other groundwater basins, recycled water, and State Board water diversions.

4.6.7.1.1 *City of San Luis Obispo (includes County Airport)*

Source: 2005 City of SLO UWMP, 2009 Water Resources Status Report and City of San Luis Obispo 2010 General Plan Update, Chapter 8

The City of San Luis Obispo is located in a coastal valley approximately 10 miles inland from the Pacific Ocean. Historically, the City of San Luis Obispo has been the sole water purveyor within the its limits. This allowed the city to maintain uniformity of water service and distribution standards, and to be consistent in developing and implementing water policy. The City also serves the County Regional Airport and Cal Poly. Since Cal Poly has its own allocation of water from the Whale Rock Reservoir and has water resources that do not pass through the City's treatment plant, the University is discussed separately.

The City of San Luis Obispo has an existing (2010) population of 44,948 and a one percent residential growth cap which assists in projecting future annual water needs. The current General Plan estimates that the build-out population for the City will be approximately 57,200 people. The City's existing and forecast water demand are summarized in Table 4.29.

The City accounts for its water supplies by designating a portion of what is available for primary supply, reliability reserve and secondary supply. Primary supply is the average supply needed to meet build-out needs. Reliability reserve is a 20 percent buffer for future unforeseen or unpredictable long-term impacts to the City's available water resources such as loss of yield from an existing water supply source and impacts due to climate change. Secondary supply is the additional amount needed to supplement the primary and reliability supply to meet needs during short-term water supply shortages or peak demands.

The City of San Luis Obispo currently receives water from four sources; Salinas Reservoir (Santa Margarita Lake), Whale Rock Reservoir, local groundwater, and recycled water from the Water Reclamation Facility. The City has depended on imported supplies from Salinas Reservoir, located near the community of Santa Margarita, since 1944 and Whale Rock Reservoir, located near the community of Cayucos, since 1961. Whale Rock Reservoir provides water to the City of San Luis Obispo, California Poly, and the CMC as well as the members of CAWO in Cayucos. The safe yield from the Salinas and Whale Rock Reservoirs was 6,940 AFY in 2010, but siltation causes the yield to drop by approximately 10 AFY.

As a result of the onset of the drought in 1986, which lead to decreases in surface water supplies, the City activated its groundwater sources in 1989. The City currently uses a small amount of groundwater (~2 percent of total) for potable purposes, but does not count groundwater yield in its water supply portfolio. Even though the estimated safe yield of the basin is 2,000 AFY, nitrate and PCE contamination and drought make groundwater a less than reliable source.

The City of San Luis Obispo's Water Reclamation Facility (WRF) currently receives approximately 4.5 mgd (5,040 AFY) wastewater flows. The WRF provides tertiary treated effluent to an extensive recycled water distribution system that delivers recycled water to a number of customers in the southern area of the City, including Damon Garcia Sports Park, Laguna Golf Course, Laguna Middle School, Laguna Lake Park, and commercial centers such as Irish Hills Plaza. Currently, recycled water irrigation demand is 130 AFY, and the City anticipates customer demands to expand by 10 AFY to an anticipated maximum of 1,000 AFY. The City must also maintain stream flow to San Luis Obispo Creek, at a minimum average daily flow of 2.5 cfs (1.6 mgd, or 1,800 AFY). Effluent TDS quality of the recycled water is approximately 900 mg/L.

Future water sources include the Nacimiento Water Project, which is scheduled to go online in 2010/11, will supply up to 3,380 AFY to the City of San Luis Obispo. The City's Water Reclamation Facility will deliver up to 1,000 AFY of recycled water for irrigation and other approved uses. The tertiary recycled water is suitable for most uses other than swimming and drinking.

In June 1985, the City Council adopted the Annual Water Operational Plan policy, which established a procedure to monitor the City's water supply situation on an annual basis. An

integral component of the policy was the establishment of a water demand management or conservation program aimed at instituting corrective measures ahead of any projected water supply deficit to maintain a dependable supply during critically dry periods. Water demand management has played an ever increasing role in the overall water supply development and management strategies since 1985. In 1990, the City adopted a multi-source water policy in an attempt to solve both short term water shortages and meet the City's long-term water needs.

The goal of the City's water conservation program is to make efficient use of its water resources to protect both short- and long-term water supply reliability. This is accomplished by implementing water-efficiency programs that are consistent with accepted best management practices and comply with any State-mandated water use reductions, and mandatory water conservation measures when the City's water supplies are projected to last three years or less. The City is a member of Partners in Water Conservation and the CUWCC.

Surface water from both reservoirs is considered to be of high quality. Groundwater quality has been generally good, but PCE contamination and occasional spikes in the nitrate content of well water has caused the City to provide additional treatment for individual wells or to take certain wells out of production.

4.6.7.1.2 *Cal Poly San Luis Obispo*

Source: 2007 Cal Poly Master Plan and EIR

Cal Poly is located to the north of the City of San Luis Obispo. The university receives water from the City water system. Though it does not treat its own water, available supply is governed by entitlements from surface water sources. Cal Poly occupies 1,321 acres with a campus core of 155 acres. The university also owns ranches and other outlying properties comprising an additional 8,357 acres. Water demand includes extensive agricultural and landscape irrigation requirements. The supply and demand discussion below applies to the 1,321-acre campus area. In 2008, Cal Poly's population was:

- Students: 19,471
- Faculty: 1,293
- Staff: 1,752
- Total: 22,516

At build-out, the total population could reach 23,100. Water demand is summarized in Table 4.29.

Cal Poly derives its water from groundwater sources and through surface water entitlements. For general use, the university owns entitlement to 33.7 percent of the storage capacity in Whale Rock Reservoir or approximately 13,707 acre-feet when the reservoir is

full. Cal Poly's portion of the safe yield from the reservoir is calculated as 1,384 AFY, but diminishes approximately 2 AFY due to siltation. However, their allotment is based on volume and not on a flow rate, so Cal Poly is not bound by this limit. The City treats and delivers approximately 600 AFY to Cal Poly. The remainder is untreated water primarily used for agriculture and landscape irrigation, drawn directly from the Whale Rock raw water pipeline or from agricultural wells. The safe yield from groundwater is undocumented, but no decline in groundwater level has been noticed.

Future demands for domestic needs will be met by increasing the proportion of Whale Rock water treated by the City. Agricultural needs could be met in various ways, including increasing irrigation efficiency, withdrawing land from cultivation, using more groundwater, and other management practices.

Surface water from Whale Rock is considered to be of high quality. Groundwater quality has been generally good, though increases in nitrate levels have been measured in groundwater flowing through the aquifer as it passes under the Cal Poly campus.

4.6.7.1.3 *Avila Beach Community Services District*

Source: 2006 Draft Water Master Plan

The Avila Beach Community Services District (Avila Beach CSD) supplies its customers with domestic water service, wastewater service and fire protection, among other services. Avila Beach is an unincorporated coastal community. Avila Beach consists of a mix of residential, commercial, agriculture, and recreational areas. The community's population was 395 in 1998 at the beginning of the Unocal clean up of Avila Beach and reduced to 240 in 2006. The build-out population is projected to reach 672. Table 4.29 summarizes the existing and forecast water demand.

The water supply for the Avila Beach CSD is contracted through County Service Area 12 (CSA 12), and consists of both Lopez Reservoir (68 AFY) and State Water (100 AFY) allocations for a total supply of 168 AFY.

Water quality for both Lopez Lake and State Water treated sources meets both primary and secondary standards for drinking water, though regular monitoring of the treatment process is necessary to make appropriate adjustments to account for seasonal changes in the quality of Lopez Lake water.

4.6.7.1.4 *Avila Valley Mutual Water Company*

Source: 2008 Avila Valley MWC Consumer Confidence Report and personal communication with Avila Valley MWC Director Jerry Hartzell

Avila Valley Mutual Water Company (Avila Valley MWC) serves a small cluster of homes in the Avila Valley area. The service area is built out with a population of 65 residents (28 connections). The 2008 water demand was 32 AFY. Avila Valley MWC receives its water

supply from surface sources. The Avila Valley MWC contracts with the District for a 20 AFY allocation of State Water and 60 AFY of Drought Buffer, which is distributed through Zone 3 facilities. 12 AFY allocation of Lopez Lake water procured from CSA 12, bringing its total supply to 32 AFY. The Avila Valley MWC also owns two wells for emergency backup purposes, but because of water quality issues, they are not used on a regular basis. Avila Valley MWC is interested in an additional 20 to 40 AFY of State Water if it becomes available.

The quality of Avila Valley MWC water is similar to others using water from Lopez Lake. Well water is of poor quality and would only be treated and used as an emergency backup in case of disruption to the surface supply.

4.6.7.1.5 *San Miguelito Mutual Water Company*

Source: 2008 San Miguelito MWC Consumer Confidence Report and personal communication with Director Rick Koon

San Miguelito Mutual Water Company (San Miguelito MWC) serves the San Luis Bay Estates area in the community of Avila Beach. The 2008 population served was 1,385 (620 connections) and a build-out population of 2,100 (930 connections). The water demand is summarized in Table 4.29.

The San Miguelito MWC receives its water supply from both surface and groundwater sources. It contracts with the District for a 275 AFY allocation of State Water and 275 AFY of Drought Buffer, which is wheeled through Zone 3 facilities. Additional water is pumped from three local wells that draw water from the aquifer fed by San Luis Obispo Creek. The San Miguelito MWC's goal is to provide consumers with a 70/30 blend of surface/well water, but problems with the well system have limited its contribution to 10 to 20 percent in recent years.

With a fully functioning water supply system, the San Miguelito MWC has adequate supply to meet both existing and future water requirements. San Miguelito MWC has been noted as being interested in an additional 10 AFY of State Water if it became available.

Quality of San Miguelito MWC water is similar to others using water from Lopez Lake. Raw well water is treated for iron and manganese removal and mixed with Lopez Lake water prior to delivery.

4.6.7.1.6 *County Service Area 12*

Source: 2005 Zone 3 UWMP

County Service Area 12 (CSA 12) provides 61 AFY of Lopez Reservoir water to customers in the rural area east of Avila Beach and transfers up to 100 AFY of Lopez Reservoir water through its piping system to Port San Luis. Port San Luis currently uses only 35 percent

Table 4.29 San Luis Obispo (includes County airport), Cal Poly San Luis Obispo, Avila Beach CSD, Avila Valley MWC, San Miguelito MWC, CSA 12, and Port San Luis Demand and Supply

	San Luis Obispo (includes airport)	Cal Poly San Luis Obispo	Avila Beach CSD	Avila Valley MWC	San Miguelito MWC	CSA-12	Port San Luis
Demand							
Existing Demand (AFY)	6,389	1,040	51	32	263	68	35
Forecast Demand (AFY)	7,499-7,894[1]	1,479-1,557[1]	162-170[1][15]	30-32[1]	373-393[1]	65-68[1]	33 - 35[1]
Supply							
State Water Project (AFY)[2]	0	0	66[3]	20	275	7[4]	0
Whale Rock Reservoir (AFY)	6,940[5]	1,384[6]	0	0	0	0	0
Salinas Reservoir (AFY)	[5]	0	0	0	0	0	0
Nacimiento Water Project (AFY)	3,380[7]	0	0	0	0	0	0
Lopez Lake Reservoir (AFY)	0	0	68	12	0	61	100
San Luis Valley Sub-basin (AFY)[8]	100	unmetered[9]	0	0	0	0	0
Avila Valley Sub-basin (AFY)[10]	0	0	0	Uncertain	118	Uncertain[11]	0
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	0	0
Recycled Water (AFY)	130[14]	0	0	0	0	0	0
SWRCB Water Diversions (AFY)	0	45	0[12]	0	0	0	0
Loss of Availability due to Siltation to 2060 (AFY)	-500	0	0	0	0	0	0
Total Supply (AFY)	**9,950[15]**	**1,429**	**134**	**32**	**393**	**68**	**100**

Notes:
1. The low end of the forecast demand range assumes five percent additional conservation (beyond what has already been accomplished) at build-out for all urban users.
2. State Water Project average allocation assumed 66 percent of contract water service amount.
3. Avila Beach CSD has a 100 AFY allocation, but no drought buffer. Therefore, the 66 percent assumption for State Water Project delivery is 66 AFY.
4. 7 AFY of SWP water allocated to the San Luis Coastal Unified School District.
5. The City of San Luis Obispo's withdrawals from the Salinas Reservoir are coordinated with Whale Rock Reservoir. San Luis Obispo's combined safe yield of the two reservoirs was 6,940 AFY in 2010.
6. Includes 600 AFY of treated water delivered from the City of San Luis Obispo.
7. Nacimiento Water Project is scheduled to go online in 2010.
8. Estimated safe basin yield is 2,000 AFY and all pumping is for urban, agricultural or rural users. The City of San Luis Obispo's use is approximately 100 AFY, but the City does not consider their 500 AFY share of the safe yield as part of its water resource availability. The remaining 1,500 AFY is available for other urban users, agricultural irrigation, and private domestic use.
9. Cal Poly's agricultural wells contribute to the supply but are not metered. It is likely that the groundwater supply and on-going conservation measures would eliminate the possible future deficit.

Table 4.29 San Luis Obispo (includes County airport), Cal Poly San Luis Obispo, Avila Beach CSD, Avila Valley MWC, San Miguelito MWC, CSA 12, and Port San Luis Demand and Supply

	San Luis Obispo (includes airport)	Cal Poly San Luis Obispo	Avila Beach CSD	Avila Valley MWC	San Miguelito MWC	CSA-12	Port San Luis

10. No basin yield numbers have been published for the Avila Valley Sub-basin.
11. Individual water users within CSA 12 boundary could request an exemption to install a private well and pump water from the Avila Valley Sub-basin. It is unknown the number of users with private wells, but it is likely minimal.
12. SWRCB water diversions database lists “Avila Beach County Water District” (now Avila Beach CSD) for 80 AFY from Canyon Creek underflow. The conditions were that Avila Beach CSD cannot use Canyon Creek Underflow as a supply once they have State Water. The creek diversion is no longer a source of supply for them.
13. Diversions do not distinguish type of use. Potentially 207 AFY could be diverted for use to either agriculture or rural residential.
14. The City's current recycled water use is 130 AFY. Expansion of the City of San Luis Obispo Water Reclamation Facility could make 4,690 AFY of recycled water available for use, but the current plans are to use only 1,000 AFY in the future. City has been approached about using recycled water for agriculture irrigation. Recycled water for agricultural usage provides the added benefit of maintaining an agricultural buffer around the City.
15. 170 AFY includes 20 AFY from projected Tank Farm Development.

(35 AFY) of that allocation. In addition, CSA 12 transfers water through its piping system to Avila Beach CSD, Avila Valley MWC, and San Miguelito MWC (discussed separately).

Water supplies for CSA 12 also include 7 AFY from the State Water Project allocated to the San Luis Coastal Unified School District. Entities within CSA 12 have been noted as being interested in an additional 30 AFY of State Water if it becomes available.

4.6.7.1.7 *Rural Users*

The existing rural demand for WPA 6 is 450 AFY and projected future range is 610 to 660 AFY.

4.6.7.1.8 *Agricultural Users*

The existing annual applied water for WPA 6 is approximately 3,610 AFY. The existing crops in this area include deciduous, nursery, pasture, vegetable, citrus, and vineyards. The projected future annual applied water for WPA 6 ranges from approximately 2,810 to 4,120 AFY. The existing annual applied water falls within the range of projected future agricultural demand.

4.6.7.1.9 *Environmental*

The unimpaired mean annual discharge for WPA 6 is approximately 45,820 AFY and environmental water demand is approximately 33,030 AFY. WPA 6 was divided into four sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The largest creek in these sub-watersheds is San Luis Obispo Creek. San Luis Obispo Creek has an instream flow requirement of a minimum daily average of discharge 2.5 cubic feet per second (cfs), which is equivalent to approximately 1,810 AFY (NOAA, 2005).

4.6.7.1.10 *San Luis Obispo/Avila WPA 6 Water Demand and Supply Summary*

Table 4.30 San Luis Obispo/Avila WPA 6 Demand and Supply

	San Luis Obispo (includes airport)	Cal Poly San Luis Obispo	Avila Beach CSD	Avila Valley MWC	San Miguelito MWC	CSA-12	Port San Luis	Agriculture	Rural	Environmental
Demand										
Existing Demand (AFY)	6,389	1,040	51	32	263	68	35	3,610	450	
Forecast Demand (AFY)	7,499-7,894[1]	1,479-1,557[1]	162-170[1][16]	30-32[1]	373-393[1]	65-68[1]	33 - 35[1]	2,810–4,120	610–660	
Supply										
State Water Project (AFY)[2]	0	0	66[3]	20	275	7[4]	0	0	0	
Whale Rock Reservoir (AFY)	6,940[5]	1,384[6]	0	0	0	0	0	0	0	
Salinas Reservoir (AFY)	[5]	0	0	0	0	0	0	0	0	
Nacimiento Water Project (AFY)	3,380[7]	0	0	0	0	0	0	0	0	
Lopez Lake Reservoir (AFY)	0	0	68	12	0	61	100	0	0	
San Luis Valley Sub-basin (AFY)[8]	100	unmetered[9]	0	0	0	0	0	Uncertain[8]	Uncertain[8]	
Avila Valley Sub-basin (AFY)[10]	0	0	0	Uncertain	118	Uncertain[11]	0	Uncertain[10]	Uncertain[10]	
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	0	0	Uncertain	Uncertain	
Recycled Water (AFY)	130[15]	0	0	0	0	0	0	0	0	
SWRCB Water Diversions (AFY)	0	45	0[12]	0	0	0	0	[13]	[13]	
Loss of Availability due to Siltation to 2060 (AFY)	-500	0	0	0	0	0	0	0	0	
Total Supply (AFY)	**9,950[14]**	**1,429**	**134**	**32**	**393**	**68**	**100**	**Uncertain**	**Uncertain**	
Environmental Water Demand										
Environmental Water Demand (AFY)[17][19]										33,030
Unimpaired Mean Annual Discharge (AFY)[18][19]										45,820

Table 4.30 San Luis Obispo/Avila WPA 6 Demand and Supply

	San Luis Obispo (includes airport)	Cal Poly San Luis Obispo	Avila Beach CSD	Avila Valley MWC	San Miguelito MWC	CSA-12	Port San Luis	Agriculture	Rural	Environmental

Notes:
1. The low end of the forecast demand range assumes 5% additional conservation (beyond what has already been accomplished) at build-out for all urban users.
2. State Water Project average allocation assumed 66 percent of contract water service amount.
3. Avila Beach CSD has a 100 AFY allocation, but no drought buffer. Therefore, the 66 percent assumption for State Water Project delivery is 66 AFY.
4. 7 AFY of SWP water allocated to the San Luis Coastal Unified School District.
5. The City of San Luis Obispo's withdrawals from the Salinas Reservoir are coordinated with Whale Rock Reservoir. San Luis Obispo's combined safe yield of the two reservoirs was 6,940 AFY in 2010.
6. Includes 600 AFY of treated water delivered from the City of San Luis Obispo.
7. Nacimiento Water Project is scheduled to go online in 2010.
8. Estimated safe basin yield is 2,000 AFY and all pumping is for urban, agricultural or rural users. The City of San Luis Obispo's use is approximately 100 AFY, but the City does not consider their 500 AFY share of the safe yield as part of its water resource availability. The remaining 1,500 AFY is available for other urban users, agricultural irrigation, and private domestic use.
9. Cal Poly's agricultural wells contribute to the supply but are not metered. It is likely that the groundwater supply and on-going conservation measures would eliminate the possible future deficit.
10. No basin yield numbers have been published for the Avila Valley Sub-basin.
11. Individual water users within CSA 12 boundary could request an exemption to install a private well and pump water from the Avila Valley Sub-basin. It is unknown the number of users with private wells, but it is likely minimal.
12. SWRCB water diversions database lists “Avila Beach County Water District” (now Avila Beach CSD) for 80 AFY from Canyon Creek Underflow. The conditions were that Avila Beach CSD cannot use Canyon Creek Underflow as a supply once they have State Water. The creek diversion is no longer a source of supply for them.
13. Diversions do not distinguish type of use. Potentially 207 AFY could be diverted for use to either agriculture or rural residential.
14. City of San Luis Obispo's supply portfolio includes groundwater, but due to limitations on its use, the City will not consider this supply as part of its water resource availability. Siltation is expected to reduce reservoir capacity and supply by 10 acre-feet per year, or 500 af by year 2060. The water supply surplus calculation accounts for reduction in water availability due to siltation. The City includes a reliability reserve in their water supply portfolio.
15. The City's current recycled water use is 130 AFY. Expansion of the City of San Luis Obispo Water Reclamation Facility could make 4,690 AFY of recycled water available for use, but the current plans are to use only 1,000 AFY in the future. City has been approached about using recycled water for agriculture irrigation. Recycled water for agricultural usage provides the added benefit of maintaining an agricultural buffer around the City.
16. 170 AFY includes 20 AFY from projected Tank Farm Development.
17. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
18. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
19. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.6.7.2 South Coast WPA 7

The water supply sources for this WPA include the State Water Project, Lopez Lake Reservoir, Edna Valley, Pismo Creek Valley, Santa Maria Valley, Arroyo Grande Valley, Pismo Formation, Paso Robles Formation, and other groundwater basin supplies, recycled water, and State Board diversions. A future water supply might include the Nipomo supplemental water project.

4.6.7.2.1 *Golden State Water Company (Edna Valley)*

Source: *Golden State Water Company files*

Golden State Water Company (GSWC) supplies its Edna Valley customers with domestic water service. The service area is an unincorporated area south of the City of San Luis Obispo, located in along Highway 227, near the County Airport. The Edna Valley area is comprised of residential and agriculture areas and dominated by the San Luis Obispo Country Club, which includes an 18-hole golf course. Table 4.31 below summarizes existing and forecast demand for the GSWC service area.

Table 4.31 Golden State Water Company (Edna Valley) Demand and Supply

	Golden State Water Company (Edna Valley)
Demand	
Existing Demand (AFY)	410
Forecast Demand (AFY)	434-482
Supply	
Edna Valley Sub-basin (AFY)(1)	410
Other Groundwater Supply Sources (AFY)	0
Recycled Water (AFY)	87(2)
Total Supply (AFY)	**482**

Notes:
1. Edna Valley Sub-basin estimated safe basin yield is 4,000 AFY and all pumping is for urban, agricultural, rural users, golf courses, and CSA 18.
2. The golf course receives all of the WWTP's recycled water effluent for irrigation use (2009 - Range: 59,000-134,000 gpd, average flow: 78,000 gpd; permitted 120,000 gpd as a monthly average).

The GSWC Edna Road service area draws water from three wells, each with 500 gpm pumping capacity. The wells tap the Edna Valley Groundwater Basin. The golf course receives all of the wastewater treatment plant's recycled water effluent for irrigation. In 2009, the average recycled water flow was approximately 78,000 gallons per day (gpd). The groundwater supply complies with all primary and secondary MCLs; however, treatment is required. Lewis Lane Wells No. 3 and No. 4 are treated for high iron and manganese by oxidation and subsequent filtration, as well as partial treatment for intermittently high selenium by ion exchange. Nitrate and arsenic are also present in all three wells, but average less than one-half the MCL, and are removed along with selenium in the ion exchange unit.

4.6.7.2.2 *Rural Users*

The existing annual rural water demand in the WPA 7 summary table (Table 4.38 below) includes the rural demand for the areas in WPA 7 that are located outside of the NMMA, NCMA, and SMVMA boundaries. The existing rural demand for outlying areas in WPA 7 is 1,480 AFY and the projected demand for outlying areas in WPA 7 is 1,990 to 2,160 AFY. The majority of existing rural parcels identified in WPA 7 are classified as developed rural residential, rural suburban, or rural lands. The majority of vacant parcels in WPA 7 that could be converted to rural residential in the future are vacant parcels with rural land use designations.

4.6.7.2.3 *Agricultural Users*

The existing annual applied water in Table 4.38 includes the demand for the areas in WPA 7 that are located outside of the NMMA, NCMA, and SMVMA boundaries. The existing annual applied water for this part of WPA 7 is approximately 19,920 AFY. The projected future demand ranges from 16,610 to 23,830 AFY.

4.6.7.2.4 *Environmental*

The unimpaired mean annual discharge for WPA 7, inclusive of the water management areas, is approximately 49,100 AFY and environmental water demand of 32,960 AFY. WPA 7 was divided into five sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. Creeks in these sub-watersheds include Pismo and Arroyo Grande Creek. The Arroyo Grande Creek below Lopez Dam has instream flow requirements that vary from less than 3 cfs to 20 cfs (2,170 AFY to 14,480) based on time of year and amount of water in the reservoir (Stetson Engineers, 2004).

4.6.7.2.5 *Northern Cities Management Area (NCMA)*

- City of Pismo Beach
- City of Arroyo Grande
- City of Grover Beach

- Oceano Community Services District
- Rural Users
- Agricultural Users

Existing and forecast demand for the NCMA are summarized in Table 4.32 following the member descriptions.

City of Pismo Beach

Source: *2004 City of Pismo Beach Water Master Plan, 2010 City of Pismo Beach UWMP, 2008 and 2009 NCMA Annual Reports*

The City of Pismo Beach supplies its customers with domestic water service. The dominant economic activity in Pismo Beach is tourism, and as a result, the population of Pismo Beach can more than double during summer holidays. The 2010 population was 7,676 and the forecast build-out population is 11,854. Table 4.32 below summarizes existing and forecast demands.

The City receives water from three water sources: local groundwater, Lopez Reservoir and the State Water Project. 700 AFY local groundwater is extracted from the Arroyo Grande Plain, which is part of the Santa Maria Valley Groundwater Basin. Extraction rights are shared by agreement with the City of Arroyo Grande, the City of Grover Beach, and the Oceano Community Services District (Oceano CSD). As party to the Santa Maria Valley Groundwater Basin litigation, extraction rights may be increased or decreased at a future date.

Pismo Beach receives 896 AFY from the Zone 3 Lopez Project as a contractual supply. Environmental protection issues may call for increased or decreased releases to Lopez Creek, potentially reducing or increasing the allotment available for Pismo Beach and other cities. Pismo Beach also receives 1,240 AFY from the SWP via contract with the District and delivery through Zone 3 facilities. The City also has a 1,240 AFY Drought Buffer allocation.

Future water supply possibilities may include additional State Water supplies, tertiary treatment/reuse of wastewater, and extraction from local groundwater basins. Pismo Beach, in coordination with the NCMA, is also investigating the feasibility of increasing the safe yield of Lopez Reservoir. The City of Pismo Beach 2010 UWMP states that the City of Pismo Beach is “committed to employ recycled water as a beneficial resource to protect and reduce consumption of its potable water resources” and that “the City may begin regional planning efforts regarding recycled water within the next five years.” Pismo Beach has been noted as being interested in an additional 500 AFY of State Water and 1,500 AFY of Drought Buffer if it becomes available.

City of Arroyo Grande

Source: *2010 City of Arroyo Grande Final Draft UWMP and 2008 and 2009 NCMA Annual Reports*

The City of Arroyo Grande supplies its customers with domestic water service. Arroyo Grande is located in the southern portion of San Luis Obispo County along the banks of the Arroyo Grande Creek. Land use is primarily residential and agriculture with a small commercial sector. There are no agricultural or industrial water service connections. In 2010, the service population was 16,901 and the forecast build-out population is 20,000. Existing and forecast waster demand are summarized in Table 4.32 below.

Arroyo Grande has agreements in place to draw up to 3,794 AFY from four water sources: two groundwater basins, Lopez Reservoir and through Oceano CSD. Arroyo Grande's share of groundwater extracted from the Arroyo Grande Plain (which is part of the Santa Maria Valley Groundwater Basin) is 1,314 AFY (includes 112 AFY of agricultural land conversion credit). Extraction rights are shared by agreement with the City of Pismo Beach, the City of Grover Beach, and the Oceano CSD. As party to the Santa Maria Valley Groundwater Basin litigation, extraction rights may be decreased at a future date.

Arroyo Grande extracts 80 AFY of groundwater from the Pismo Formation, which is outside of the NCMA and not subject to management agreements. Its contractual supply of Zone 3 Lopez Project water is 2,290 AFY. Environmental protection issues may call for increased releases to Lopez Creek, potentially reducing the allotment available for Arroyo Grande and other cities.

Arroyo Grande and Oceano CSD have entered into an interim water supply agreement for delivery of up to 100 AFY of Oceano CSD water supplies to the Arroyo Grande. Arroyo Grande is currently using between 90 and 95 percent of their current supply allocation, and therefore is in need of temporary water transfer agreements to meet water supply needs. Oceano CSD will deliver up to 100 AFY of groundwater and/or State Water, at Oceano CSD's discretion. This temporary agreement ends in 2014.

Future water supply possibilities include desalination, recycled water and State Water. Arroyo Grande is committed to participating in a regional effort to utilize recycled water, and will continue to participate in a dialogue between regional agencies interested in a recycled water program (including but not necessarily limited to the NCMA agencies). Arroyo Grande has been noted as being interested in 200 to 400 AFY of State Water if it becomes available.

Lopez Lake water has seasonal quality fluctuations that must be addressed by adjusting treatment methods. Groundwater quality varies by depth and source, with some of the shallower wells drawing water with high nitrate levels. Water extracted from the Pismo Formation receives iron/manganese treatment prior to delivery. Through appropriate mixing, the City has been able to deliver water that meets drinking water standards.

City of Grover Beach

Source: *2005 City of Grover Beach UWMP, 2008 and 2009 NCMA Annual Reports, Draft 2010 Water Master Plan*

The City of Grover Beach supplies its customers with domestic water service. Grover Beach is primarily a residential community, with a small commercial/industrial sector. Approximately 80 percent of the water consumers are residents. No agricultural consumers are served by the City water system, though landscape irrigation consumes approximately 90 AFY. In 2010, the population was 13,156. The build-out population is expected to reach 15,000. Table 4.32 summarizes existing and forecast demands.

Grover Beach receives water from Lopez Lake and also uses groundwater from four municipal wells and one irrigation pump. The Zone 3 Lopez Project provides a contractual supply of up to 800 AFY to Grover Beach.

Three shallow wells draw water from the Paso Robles formation and a fourth well draws water from the deeper Careaga formation. Extraction rights are shared by agreement with the City of Arroyo Grande, the City of Pismo Beach, and the Oceano CSD. The City of Grover Beach is currently entitled to 1,407 AFY from this source per the agreement. This includes a 209 AFY allocation from an Agricultural Land Conversion Credit. As party to the Santa Maria Valley Groundwater Basin litigation, extraction rights may be decreased for both of these allocations at a future date.

Two hundred twenty-five AFY non-potable groundwater is pumped from irrigation wells used on the State Parks Department golf course and a large park within the City. Grover Beach had a temporary transfer agreement with Oceano CSD that allowed the City to purchase up to 100 AFY, but this agreement expired.

Potential future water supply sources under consideration include desalination, State Water and recycled wastewater.

Lopez Lake water has seasonal quality fluctuations that must be addressed by adjusting treatment methods. The ground water from the Paso Robles formation meets all state and federal standards except for nitrate concentration. Grover Beach completed construction of an ion exchange water treatment plant designed to remove nitrates from the shallow well water in 1989.

Oceano Community Services District

Source: *2009 Oceano Community Services District Draft Water Master Plan Update and 2008 and 2009 NCMA Annual Reports*

The Oceano CSD provides water services to the community of Oceano. The service area encompasses approximately 1,150 acres. The Oceano CSD service area is located immediately south of Grover Beach and Arroyo Grande. Oceano CSD includes residential,

commercial, industrial, agricultural, and public facility land uses. Existing population (as of July 2009) within the Oceano CSD service area is estimated at 8,137 and the forecast population is estimated at 12,855. Table 4.33 summarizes existing and forecast water demand.

The Oceano CSD utilizes water from three sources, including groundwater, the State Water Project and Lopez Lake water. The groundwater allocation is limited to 900 AFY by agreement with the City of Arroyo Grande, the City of Pismo Beach, and the City of Grover Beach. As party to the Santa Maria Valley Groundwater Basin litigation, extraction rights may be decreased at a future date.

Oceano CSD receives a 303 AFY allocation from Lopez Lake, subject to possible reduction if habitat requirements dictate. It also receives 750 AFY from the State Water Project, but no drought buffer. Therefore, the assumption that contractors will receive 66 percent of their State Water Project allocation reduces this supply to 495 AFY. Participation in the District's drought buffer program for State Water would improve water supply reliability for the Oceano CSD.

As discussed above for the City of Arroyo Grande, Oceano CSD entered into an interim water supply agreement, for delivery of up to 100 AFY of Oceano CSD water to Arroyo Grande. Oceano CSD will deliver up to 100 AFY of groundwater and/or State Water, at Oceano CSD's discretion. This temporary agreement ends in 2014.

In reviewing the CCR for 2008, the Oceano CSD continues to meet all Federal and State Drinking Water Standards. Selenium levels continue to be high, from two of their existing wells (Wells 4 and 5); however, drinking water standards are met through blending with other water sources.

Seawater intrusion has been measured in two the of coastal monitoring wells in the Oceano area. The rains of 2010-2011, and reduced groundwater production, pushed back the subterranean ocean interface, but the close proximity of that interface creates supply uncertainties.

Table 4.32 Pismo Beach, Arroyo Grande, Grover Beach, and Oceano CSD Demand and Supply

	Northern Cities Management Area			
	Pismo Beach[1]	**Arroyo Grande[1]**	**Grover Beach[1]**	**Oceano CSD[1]**
Demand				
Existing Demand (AFY)	1,944[2]	2,956[2]	1,787[2]	855[2]
Forecast Demand (AFY)	2,679 - 2,977[3]	3,735 - 4,150[3]	1,892 - 2,500[3]	1,277 - 1,419[3]
Supply				
State Water Project (AFY)[4]	1,240	0	0	495[5]
Lopez Lake Reservoir (AFY)	896	2,290	800	303
Arroyo Grande Plain Hydrologic Subarea (part of Santa Maria Valley Groundwater Basin) (AFY)[6]	700	1,202	1,198 + 225 [9]	900
Agricultural Land Conversion Credit (AFY)[7]	0	112	209	0
Transfers (AFY)[8]	0	100	0	-100
Pismo Formation outside the NCMA (AFY)	0	80	0	0
Other Groundwater Supply Sources (AFY)	0	0	0	0
Total Supply (AFY)	**2,836**	**3,794**	**2,432**	**1,598**

Notes:
1. Part of the Northern Cities Management Area (NCMA)
2. 2010 Annual Monitoring Report Northern Cities Management Area, Table 1. 2009 and 2008 demands listed below for reference.
   Pismo Beach reported 2,039 AFY in 2009 and 2,208 AFY in 2008
   Arroyo Grande reported 3,315 AFY in 2009 and 3,579 AFY in 2008
   Grover Beach reported 1,941 AFY in 2009 and 2,051 AFY in 2008
   Oceano CSD reported 885 AFY in 2009 and 933 AFY in 2008
   Agriculture reported 2,742 AFY in 2009 and 2008
   Rural residential reported 36 AFY in 2009 and 2008
3. Ten percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand, except for Grover Beach, which assumed 20% additional reduction.
4. State Water Project average allocation assumed 66 percent of contract water service amount.
5. Oceano CSD has a 750 AFY allocation, but no drought buffer. Therefore, the 66 percent assumption for State Water Project delivery is 495 AFY.

Table 4.32 Pismo Beach, Arroyo Grande, Grover Beach, and Oceano CSD Demand and Supply

	Northern Cities Management Area			
	Pismo Beach[1]	Arroyo Grande[1]	Grover Beach[1]	Oceano CSD[1]

6. Safe yield of 9,500 AFY with subdivisions for applied irrigation (5,300 AFY), subsurface outflow to the ocean (200 AFY), and urban use (4,000 AFY). The 2002 Groundwater Management Agreement safe yield allotment for urban use is broken down per the numbers shown.
7. 2002 Settlement Agreement provides that groundwater allocations can be increased when land within the incorporated boundaries is converted from agricultural uses to urban uses.
8. Arroyo Grande has an active agreement to purchase 100 AFY of Oceano CSD supplies from groundwater or Lopez Lake water. This temporary agreement ends in 2014.
9. Non-potable groundwater pumped from irrigation wells used on the State Parks Department golf course and a City park. The portion of the 225 AFY attributed to the golf course predates the Gentlemen's Agreement. The portion for the park is a substitute for preexisting agricultural use on the park site.

Rural Users

2008, 2009, and 2010 NCMA Annual Reports

Rural water demand includes small community water systems, domestic use, recreational use and agriculture-related business. Small community water systems using the Arroyo Grande Plain Hydrologic Subarea groundwater in the NCMA were identified initially through review of a list of water purveyors compiled in the 2005 San Luis Obispo County Integrated Regional Water Management Plan. These include the Halcyon Water System, Ken Mar Gardens, and Pacific Dunes RV Resort. The Halcyon Water System serves 35 homes in the community of Halcyon, while Ken Mar Gardens provides water supply to 48 mobile homes on South Halcyon Road. The Pacific Dunes RV Resort, with 215 RV sites, provides water supply to a largely transitory population and nearby riding stable. Two mobile home communities, Grande Mobile and Halcyon Estates, are served potable water from the City of Arroyo Grande. In addition, about 25 homes and businesses have been identified through inspection of aerial photographs of rural areas within NCMA. Irrigation of schools and parks from privately operated wells is accounted for in the applied irrigation demand section of the 2009 NCMA Annual Report. It is assumed that the number of private wells is negligible within the service areas of the four Northern Cities. The estimated rural water demand is shown in Table 4.33.

Table 4.33 Northern Cities Management Area Rural Water Use Demand

Arroyo Grande Plain Hydrologic Sub-area Groundwater User	No. of Units	Estimated Water Demand (AFY)	Notes
Halcyon Water System	35	14	(1)
Ken Mar Gardens	48	8	(2)
Pacific Dunes RV Resort	215	6	(3)
Rural Users	25	10	(1)

Table recreated from Table 3 from the 2010 Annual Monitoring Report for the NCMA.
Notes:
1. Water demand/unit based on 2000 and 2005 Grover Beach water use per connection, 2005 UWMP.
2. 2010 NCMA Annual Report.
3. Water demand/unit assumes 50 percent annual occupancy and 0.06 AFY per occupied site.

Agricultural Users

2008, 2009, and 2010 NCMA Annual Reports

Applied irrigation is private water used for non-domestic purposes. In the NCMA, applied irrigation demands are defined by agriculture and irrigated turf grass at schools and a golf course. Applied irrigation demand is estimated using crop type specific gross irrigation requirements by acre and land use data.

Gross irrigation requirements for the NCMA are from the San Luis Obispo County 1998 Master Water Plan Update. The County Master Water Report Update includes low, average, and high estimates of irrigation demand by crop type for each of the Water Planning Areas (WPAs) in the County. The range in estimated irrigation demands is based upon climactic conditions and irrigation efficiency; double cropping is included for relevant crops.

The areal extent of cultivated agricultural areas in the NCMA was quantified using the 2007 land use survey prepared by the San Luis Obispo County Agriculture Department. The land use survey map provides information on acreage and type of crops in the area. Public works personnel within the NCMA identified the areas with irrigated turf grass.

There are about 1,600 acres of irrigated agriculture within the NCMA of which approximately four acres are nursery crops, and the remainder is truck crops. There is a combined total of 44 acres of irrigated turf grass at the Oceano Elementary School, Arroyo Grande High School, Harloe Elementary School, and the Le Sage Riviera Golf Course.

For 2009, the annual precipitation and evapotranspiration was compared to average conditions to determine if the year in question had a low, average, or high irrigation water demand. For the 2009 NCMA Annual Report, average irrigation efficiencies were assumed. Therefore, the annual irrigation demand for each crop type is assumed to be dependant only on that year's precipitation and evapotranspiration. The range of demand estimates for all applied irrigation uses were as follows:

- Wet years: 2,056 AFY (2005, 2006, and 2010)
- Average years: 2,397 AFY (2004)
- Dry years: 2,742 AFY (2007, 2008, and 2009)

NCMA Water Demand and Supply Summary

Table 4.34 Northern Cities Management Area Demand and Supply

	Pismo Beach[1]	Arroyo Grande[1]	Grover Beach[1]	Oceano CSD[1]	Agriculture	Rural
Demand						
Existing Demand (AFY)	1,944[2]	2,956[2]	1,787[2]	855[2]	2,056[2][3]	38
Forecast Demand (AFY)	2,679 - 2,977[11]	3,735 - 4,150[11]	1,892 - 2,500[11]	1,277 - 1,419[11]	2,742	38
Supply						
State Water Project (AFY)[4]	1,240[5]	0	0	495[6]	0	0
Lopez Lake Reservoir (AFY)	896	2,290	800	303	0	0
Arroyo Grande Plain Hydrologic Sub-area (part of Santa Maria Valley Groundwater Basin) (AFY)[7]	700	1,202	1,198 + 225 [12]	900	5,300[9]	36
Agricultural Land Conversion Credit (AFY)[8]	0	112	209	0	0	0
Transfers (AFY)[9]	0	100	0	-100	0	0
Pismo Formation outside the NCMA (AFY)	0	80	0	0	0	0
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	0
SWRCB Water Diversions (AFY)	0	0	0	0	[10]	[10]
Total Supply (AFY)	**2,836**	**3,794**	**2,432**	**1,598**	**Uncertain**	**Uncertain**

Notes:
1. Part of the Northern Cities Management Area (NCMA)
2. 2010 Annual Monitoring Report Northern Cities Management Area, Table 1. 2009 and 2008 demands listed below for reference.
   Pismo Beach reported 2,039 AFY in 2009 and 2,208 AFY in 2008
   Arroyo Grande reported 3,315 AFY in 2009 and 3,579 AFY in 2008
   Grover Beach reported 1,941 AFY in 2009 and 2,051 AFY in 2008

Table 4.34 Northern Cities Management Area Demand and Supply

	Pismo Beach[1]	Arroyo Grande[1]	Grover Beach[1]	Oceano CSD[1]	Agriculture	Rural

Oceano CSD reported 885 AFY in 2009 and 933 AFY in 2008
Agriculture reported 2,742 AFY in 2009 and 2008
Rural residential reported 36 AFY in 2009 and 2008

3. Agriculture is grouped in a category referred to as "Applied Irrigation" which is private water used for non domestic purposes. In the NCMA, Applied Irrigation demands are defined by agriculture and irrigated turf grass at schools and a golf course. Of the 2,056 AFY Applied Irrigation demand, agriculture likely accounted for 1,933 AFY (or 94 percent).
4. State Water Project average allocation assumed 66 percent of contract water service amount.
5. 140 AFY of the 1,240 AFY contracted amount has been allocated for Pismo Ranch.
6. Oceano CSD has a 750 AFY allocation, but no drought buffer. Therefore, the 66 percent assumption for State Water Project delivery is 495 AFY.
7. Safe yield of 9,500 AFY with subdivisions for applied irrigation (5,300 AFY), subsurface outflow to the ocean (200 AFY), and urban use (4,000 AFY). The 2002 Groundwater Management Agreement safe yield allotment for urban use is broken down per the numbers shown.
8. 2002 Settlement Agreement provides that groundwater allocations can be increased when land within the incorporated boundaries is converted from agricultural uses to urban uses.
9. Arroyo Grande has an active agreement to purchase 100 AFY of Oceano CSD supplies from groundwater or Lopez Lake water. This temporary agreement ends in 2014.
10. Diversions do not distinguish type of use. Potentially 1,243 AFY could be diverted for use to either agriculture or rural residential in WPA 7.
11. 10% additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand, except for Grover Beach, which assumed 20% additional reduction.
12. Non-potable groundwater pumped from irrigation wells used on the State Parks Department golf course and a City park. The portion of the 225 afy attributed to the golf course predates the Gentlemen's Agreement. The portion for the park is a substitute for preexisting agricultural use on the park site.

4.6.7.2.6 *Nipomo Mesa Management Area (NMMA)*

- Golden State Water Company (Nipomo Area)
- Nipomo Community Services District
- Rural Water Company
- Woodlands Mutual Water Company
- ConocoPhillips
- Rural Users
- Agricultural Users

Existing and forecast demand for the NMMA are summarized in Table 4.35 following the member descriptions.

Golden State Water Company

Source: *GSWC files, 2005 Santa Maria Groundwater Litigation Stipulation and 2008, 2009, and 2010 NMMA Annual Report*

The Golden State Water Company (GSWC) provides water service to approximately 1,475 households on the south side of Nipomo. GSWC serves a rural population that is undergoing development and is expected to grow at a projected rate of 1.42 percent over the next two decades until build-out. Existing and future water demands are summarized in Table 4.35.

GSWC currently uses groundwater for 100 percent of its supply. Groundwater is pumped from the Nipomo Mesa Hydrologic Sub-area that is part of the Santa Maria Valley Groundwater Basin using five active wells. Litigation involving use of this groundwater basin, which began in 1997, has resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. In addition, the stipulated judgment required GSWC to join with Nipomo CSD to develop alternative sources to import a minimum of 2,500 AFY. Once the supplemental water system is in place, GSWC will be required to purchase 8.33 percent (208.25 AFY) of that supply.

Water quality is formally monitored as part of the requirements of the NMMA stipulation. Wells are monitored regularly and reported publicly. The 2009 NMMA report has concluded that there is no evidence of seawater intrusion into the NMMA portion of the groundwater basin. Localized areas of the NMMA have reported nitrate concentrations as high as 90 percent of the MCL. Three of the GSWC wells are currently being treated for iron and manganese.

Nipomo Community Services District

Source: 2007 Nipomo CSD Water and Sewer Master Plan Update, 2008, 2009, and 2010 NMMA Annual Reports, and 2009 Nipomo CSD Waterline Intertie Project Narrative Report, 2010 Public Review Draft Urban Water Management Plan (UWMP)

The town of Nipomo is an unincorporated area located in southern San Luis Obispo County. The Nipomo Community Services District (Nipomo CSD) provides water service to approximately 12,000 residents. Development is expected to continue to expand in the future, more than doubling water demands at build-out, as shown in Table 4.35.

Nipomo CSD currently uses groundwater for 100 percent of supply requirements. Groundwater is pumped from the Nipomo Mesa Hydrologic Sub-area that is part of the Santa Maria Valley Groundwater Basin, using eight active wells and one standby. Litigation involving use of this groundwater basin, which began in 1997, resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. The stipulation also requires the Nipomo CSD to develop alternative sources to import a minimum of 2,500 AFY.

The Nipomo CSD has investigated multiple sources of supplemental water and, as a result, signed an agreement with the City of Santa Maria to pursue an intertie project. The January 5, 2010 Wholesale Water Supply Agreement established the basis for purchase and delivery of water from the City to the Nipomo CSD. The project EIR has been certified, and the project is going through its final design stages. If constructed, it will be capable of delivering up to 3,000 AFY and could be completed in two and a half years. Once the supplemental water system is in place, Nipomo CSD will be required to purchase 2,167 AFY of that supply. Three other water purveyors, Woodlands MWC, Golden State Water Company, and Rural Water Company will share in the project costs and will together receive one-third of the mandated minimum water delivery (833 of 2,500 AFY). The additional 500 AFY capacity has been reserved for use by the Nipomo CSD for infill but no annexations or General Plan Amendments. Additional water via the City of Santa Maria (if possible), desalination and recycled water are also being considered as a long-term alternative source for the Nipomo CSD and others in the region.

Water quality discussion is similar to that described for GSWC. Also, there is a concern that nitrate levels are increasing in wells near the Southland WWTF. Though studies have not tied this increase to current effluent disposal practices, the WWTF is investigating alternative effluent disposal methods that will enhance groundwater recharge without increasing nitrate levels.

Rural Water Company

Source: *2008, 2009, and 2010 NMMA Annual Reports and 2005 Santa Maria Groundwater Litigation Stipulation*

Rural Water Company (RWC) provides water to consumers on the northwest side of the Nipomo Mesa, including Cypress Ridge, a planned development consisting of approximately 380 homes and a golf course. RWC serves a residential community that includes both densely spaced homes and numerous large lot rural residences. It also provides non-potable water to the Cypress Ridge Golf Course to supplement irrigation from recycled wastewater. The golf course is irrigated partially by effluent from the Cypress Ridge Wastewater Treatment Facility (Cypress Ridge WWTF), which in turn uses some of the golf course water features as finishing ponds in the waste treatment process. Existing and future water are summarized in Table 4.35.

RWC currently uses groundwater for 100 percent of supply requirements. Groundwater is pumped from the larger Nipomo Mesa Hydrologic Sub-area that is part of the Santa Maria Valley Groundwater Basin, using several active wells. Litigation involving use of this groundwater basin, which began in 1997, resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. The stipulation requires RWC to join with Nipomo CSD to develop alternative sources to import a minimum of 2,500 AFY. Once the supplemental water system is in place, RWC will be required to purchase 8.33 percent (208.25 AFY) of that supply. The Cypress Ridge WWTF currently produces about 50 AFY of irrigation quality effluent, which is used on the golf course.

Water quality discussion is similar to that described for GSWC.

Woodlands Mutual Water Company

Source: 2004 *Water Master Plan, 2005 Santa Maria Groundwater Litigation Stipulation and 2008, 2009, and 2010 NMMA Annual Reports*

The Woodlands is a relatively new housing and commercial development located on the Nipomo Mesa in southern San Luis Obispo County. The Woodlands Mutual Water Company (Woodlands MWC) was organized to provide water to customers within the Woodlands development. The Woodlands MWC currently supplies its customers with domestic water service and wastewater reclamation.

The Woodlands has a tentative map allowing for 1,320 residential units, plus additional commercial facilities. Currently, there are 685 residential lots that have been recorded in final maps. Commercial facilities for the golf course are also constructed at this time. Other facilities that may be constructed in the future include commercial facilities at the business park, a hotel, and a possible school. The planned development also currently has an 18-hole golf course and a smaller 12-hole executive course. The on-site wastewater treatment plant provides the golf courses with recycled water for irrigation; however, the golf courses are also supplemented with groundwater. Another 18-hole golf course is planned for the future, which will be irrigated with groundwater. Existing and future water demands are summarized in Table 4.35.

Currently, the Woodlands MWC relies on groundwater as the sole source of water. The Woodlands MWC owns and operates four wells, three of which produce potable water and the fourth serves irrigation needs. Groundwater is pumped from the larger Nipomo Mesa Hydrologic Sub-area that is part of the Santa Maria Valley Groundwater Basin. Litigation involving use of this groundwater basin, which began in 1997, resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. The stipulation requires Woodlands MWC to join with Nipomo CSD to develop alternative sources to import a minimum of 2,500 AFY.

Woodlands MWC has agreed to purchase a portion of the NMMA supplemental water (determined according to the percentage of completion of the project and rising to a total of 417 AFY at such time as its service area is fully developed). Woodlands MWC has also agreed to pay a portion of the operating costs, capital costs and replacement costs of the project based on the amount of water purchased by Woodlands MWC relative to the total amount purchased from the City of Santa Maria. Woodlands MWC also has the right to exercise an option for an additional 300 AFY from the Nipomo supplemental water project at a future date.

Twenty-four AFY of recycled water was used in 2008 to partially irrigate the golf course. As more residential units are completed, increased quantities of wastewater will be available for recycling. The build-out flow of the WWTP is 774 AFY. Well water will continue to be required during periods in which the recycled water available is less than the golf course demand.

Water quality discussion is similar to that described for GSWC. The most recent Consumer Confidence Report indicated that Woodlands MWC supplied water that met both primary and secondary drinking water standards. One of the wells exceeds the standards for iron, but mixing with water from other wells produces water that meets the iron standard.

ConocoPhillips

Source: *2008, 2009, and 2010 NMMA Annual Reports and 2005 Santa Maria Groundwater Litigation Stipulation*

ConocoPhillips uses water for industrial operations at its refinery on the Nipomo Mesa. Water demand has decreased in recent years due to infrastructure changes resulting in more water-efficient operations. Planned expansion will increase water demand, but demand will remain less than historical peak pumping rates. Existing and forecast demands are summarized in Table 4.35.

ConocoPhillips uses groundwater for 100 percent of supply requirements. Though it is a party to the Santa Maria Groundwater stipulation, it is not required to participate in the development of supplemental water. It has rights to reasonable and beneficial use of

Table 4.35 Golden State Water Company, Nipomo CSD, Rural Water Company, and Conoco-Phillips Demand and Supply

	Nipomo Mesa Management Area				
	Golden State Water Company [3]	**Nipomo CSD[3]**	**Rural Water Company[4]**	**Woodlands Mutual Water Company[3]**	**Conoco-Phillips[3]**
Demand					
Existing Demand (AFY)	1,060[4]	2,698[6]	720[4]	850[4]	1,200[4]
Forecast Demand (AFY)	1,750-1,944[5]	2,984	Not available	1,440-1,600[5]	1,260-1,400[5]
Supply					
Nipomo supplemental water project (AFY)[1]	208	2,167	208	417	0
Nipomo Mesa Hydrologic Sub-area (part of Santa Maria Valley Groundwater Basin) (AFY)[2]	852	457	462	405	1,400
Other Groundwater Supply Sources (AFY)	0	0	0	0	0
Recycled Water (AFY)	0	60-74	49-50	24-28	0
SWRCB Water Diversions (AFY)	0	0	0	0	0
Total Supply (AFY)	**1,060**	**2,698**	**720**	**850**	**1,200**

Notes:

1. Nipomo supplemental water project includes Nipomo CSD, Woodlands MWC, Golden State Water Company, and Rural Water Company. Nipomo CSD will receive approximately 1,667 AFY and has reserved an additional 500 AFY. The other three will receive 833 AFY.
2. For the NMMA purveyors, the groundwater supply was calculated as the difference between the current demand and the other sources of supply (e.g. recycled water, the Nipomo supplemental water project).
3. Part of the Nipomo Mesa Management Area (NMMA)
4. 2010 Annual Monitoring Report Nipomo Mesa Management Area. 2008 and 2009 demands listed below for reference.
   Golden State Water Company reported 1,380 AFY in 2008 and 1,290 AFY in 2009
   Nipomo CSD reported 2,700 AFY in 2008 and 2,370 AFY in 2010 (NCSD existing demand based on 2010 UWMP)
   Rural Water Company reported 900 AFY in 2008 and 880 AFY in 2009
   Woodlands Mutual Water Company reported 540 AFY in 2008 and 810 AFY in 2009
   ConocoPhillips reported 1,100 AFY in 2008 and 1,200 AFY in 2009

Table 4.35 Golden State Water Company, Nipomo CSD, Rural Water Company, and Conoco-Phillips Demand and Supply					
	Nipomo Mesa Management Area				
	Golden State Water Company (3)	Nipomo CSD(3)	Rural Water Company(4)	Woodlands Mutual Water Company(3)	Conoco-Phillips(3)
Agriculture reported 4,300 AFY in 2008 and 3,800 AFY in 2009 Rural residential reported 1,700 AFY in 2008 and 1,700 AFY in 2009 5. Ten percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand. 6. Nipomo CSD 2010 Urban Water Management Plan					

groundwater without limitation, except in the event of a severe water shortage, as defined in the stipulation.

Water quality discussion is similar to that described for GSWC. One of the ConocoPhillips wells reported a high (1,000 mg/L) TDS value. The well is used for industrial processing.

Rural Users

2008, 2009, and 2010 NMMA Annual Reports

Rural land uses within the NMMA are made up primarily of residential land uses (single family, suburban, and rural). Groundwater production was estimated for rural landowners not served by a purveyor. The total estimated production for the rural landowners is 1,950 AF for 2010.

Agricultural Users

2008, 2009, and 2010 NMMA Annual Reports

The estimated groundwater production for agricultural crops in the NMMA is 2,800 AF for 2009, computed by multiplying the crop area and the crop specific unit production (Table 3-4). A detailed explanation of the methodology used for this estimate is provided in Appendix E of the 2010 NMMA Annual Report.

Table 4.36 Agricultural Demand

Crop Type	2010 Area (acres)	2010 Unit Production (ac-ft/acre)	2010 Production (ac-ft/year)
Deciduous	2	2.5	5
Pasture	2	2.8	6
Vegetable rotational	225	2.0	450
Avocado and Lemon	277	1.6	440
Strawberries	1,393	1.1	1,540
Nursery	332	1.1	360
Un-irrigated Ag Land	356	0.0	0
Total	**2,587**		**2,800**[1]

Notes:
1. This number has been rounded to reflect accuracy in estimation.

NMMA Water Demand and Supply Summary

Table 4.37 NMMA Demand and Supply

	Nipomo Mesa Management Area						
	Golden State Water Company (4)	Nipomo CSD(4)	Rural Water Company(4)	Woodlands Mutual Water Company(4)	Conoco-Phillips(4)	Agriculture (4)	Rural(4)
Demand							
Existing Demand (AFY)	1,060(5)	2,698(7)	720(5)	850(5)	1,200(5)	2,800(5)	1,950(5)
Forecast Demand (AFY)	1,750 - 1,944(6)	2,984	Not available	1,440 - 1,600(6)	1,260 - 1,400(6)	2,800 - 4,300	1,700 – 1,950
Supply							
Nipomo supplemental water project (AFY)(1)	208	2,167	208	417	0	0	0
Nipomo Mesa Hydrologic Sub-area (part of Santa Maria Valley Groundwater Basin) (AFY)(2)	852	457	462	405	1,400	4,300	1,950
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	0	0
Recycled Water (AFY)	0	60-74	49-50	24-28	0	0	0
SWRCB Water Diversions (AFY)	0	0	0	0	0	(3)	(3)
Total Supply (AFY)	**1,060**	**2,698**	**720**	**850**	**1,400**	**Uncertain**	**Uncertain**

Notes:
1. Nipomo supplemental water project includes Nipomo CSD, Woodlands MWC, Golden State Water Company, and Rural Water Company. Nipomo CSD will receive approximately 1,667 AFY and has reserved an additional 500 AFY. The other three will receive 833 AFY.
2. For the NMMA purveyors, the groundwater supply was calculated as the difference between the current demand and the other sources of supply (e.g. recycled water, the Nipomo supplemental water project).
3. Diversions do not distinguish type of use. Potentially 1,243 AFY could be diverted for use to either agriculture or rural residential in WPA 7.
4. Part of the Nipomo Mesa Management Area (NMMA)
5. Demand based on 2010 Annual Monitoring Report Nipomo Mesa Management Area. 2008 and 2009 demands listed below for reference.

Table 4.37 NMMA Demand and Supply

	Nipomo Mesa Management Area						
	Golden State Water Company (4)	Nipomo CSD(4)	Rural Water Company(4)	Woodlands Mutual Water Company(4)	Conoco-Phillips(4)	Agriculture (4)	Rural(4)

Golden State Water Company reported 1,380 AFY in 2008 and 1,290 AFY in 2009
Nipomo CSD reported 2,700 AFY in 2008 and 2,370 AFY in 2010 (NCSD existing demand based on 2010 UWMP)
Rural Water Company reported 900 AFY in 2008 and 880 AFY in 2009
Woodlands Mutual Water Company reported 540 AFY in 2008 and 810 AFY in 2009
ConocoPhillips reported 1,100 AFY in 2008 and 1,200 AFY in 2009
Agriculture reported 4,300 AFY in 2008 and 3,800 AFY in 2009
Rural residential reported 1,700 AFY in 2008 and 1,700 AFY in 2009

6. Ten percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand.
7. Nipomo CSD 2010 Urban Water Management Plan

4.6.7.2.7 *Santa Maria Valley Management Area (SMVMA)*

Rural Users

The water demand in the San Luis Obispo section of SMVMA is primarily classified as agricultural demand (Luhdorff and Scalmanini, 2009). Based on the County Land Use GIS, the existing rural water demand in SMVMA is approximately 37 AFY and future demand is approximately 110 AFY. Both existing and future rural demand is less than 0.5 percent of the total demand for the SMVMA within San Luis Obispo County.

Agricultural Users

In 2008, the crops within the San Luis Obispo portion of SMVMA consisted of approximately 9,649 acres of vegetables, 798 acres of strawberries, and 63 acres of nurseries. The 2008 SMVMA Annual Report established annual applied crop water duties for these crop groups of 2.50, 1.55, and 2.1 AF/Ac/Yr, respectively (Luhdorff and Scalmanini, 2009). Based on the applied water duties established in the SMVMA 2008 Annual Report and the crop acreage, the existing agricultural water demand would be approximately 25,540 AFY. The future agricultural water demand in SMVMA is not expected to change significantly from existing water usage. These users pump groundwater from unconsolidated alluvial deposits (Quaternary Alluvium, Paso Robles Formation, and Careaga Sand), which are part of Santa Maria Valley Groundwater Basin.

4.6.7.2.8 *South Coast WPA 7 Water Demand and Supply Summary*

Table 4.38 South Coast WPA 7 Demand and Supply

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach [1]	Arroyo Grande [1]	Grover Beach [1]	Oceano CSD[1]	Agriculture	Rural	Golden State Water Company[16]	Nipomo CSD[16]	Rural Water Company[16]	Woodlands Mutual Water Company[16]	Conoco Phillips[16]	Agriculture[16]	Rural[16]	Agriculture /Rural	Agriculture	Rural	Environmental
Demand																		
Existing Demand (AFY)	410	1,944[2]	2,956[2]	1,787[2]	855[2]	2,056[2][3]	38	1,060[17]	2,698[23]	720[17]	850[17]	1,200[17]	2,800[17]	1,950[17]	25,540/37	19,920	1,480	
Forecast Demand (AFY)	434-482	2,679-2,977[19]	3,735-4,150[19]	1,892-2,500[19]	1,277-1,419[19]	2,742	36	1,750-1,944[19]	2,984	Not Available	1,440-1,600[19]	1,260-1,400[19]	2,800-4,300	1,950	25,540/110	16,610-23,830	1,990-2,160	
Supply																		
State Water Project (AFY)[4]	0	1,240[5]	0	0	495[6]	0	0	0	0	0	0	0	0	0	0	0	0	
Lopez Lake Reservoir (AFY)	0	896	2,290	800	303	0	0	0	0	0	0	0	0	0	0	0	0	
Edna Valley Sub-basin (AFY)[7]	410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pismo Creek Valley Sub-basin (AFY)[8]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Arroyo Grande Plain Hydrologic Sub-area (part of Santa Maria Valley Groundwater Basin (AFY)[9]	0	700	1,202	1,198+225[14]	900	5,300[9]	36	0	0	0	0	0	0	0	0	Uncertain	Uncertain	
Arroyo Grande Valley Sub-basin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Uncertain	Uncertain	

Table 4.38 South Coast WPA 7 Demand and Supply

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach [1]	Arroyo Grande [1]	Grover Beach [1]	Oceano CSD[1]	Agriculture	Rural	Golden State Water Company[16]	Nipomo CSD[16]	Rural Water Company[16]	Woodlands Mutual Water Company[16]	Conoco Phillips[16]	Agriculture[16]	Rural[16]	Agriculture /Rural	Agriculture	Rural	Environmental
Agricultural Land Conversion Credit (AFY)[10]	0	0	112	209	0	0	0	0	0	0	0	0	0	0	0	0	0	
Transfers (AFY)[11]	0	0	100	0	-100	0	0	0	0	0	0	0	0	0	0	0	0	
Pismo Formation outside the NCMA (AFY)	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	Uncertain	Uncertain	
Nipomo supplemental water project (AFY)[12]	0	0	0	0	0	0	0	208	2,167	208	417	0	0	0	0	0	0	
Nipomo Mesa Hydrologic Sub-area (part of Santa Maria Valley Groundwater Basin) (AFY)[13]	0	0	0	0	0	0	0	852	457	462	405	1,400	4,300	1,950	0	Uncertain	Uncertain	
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,540/37	Uncertain	Uncertain	
Recycled Water (AFY)	87[18]	0	0	0	0	0	0	0	60-74	49-50	24-28	0	0	0	0	0	0	
SWRCB Water Diversions (AFY)	0	0	0	0	0	[15]	[15]	0	0	0	0	0	[15]	[15]	[15]	0	0	
Total Supply (AFY)	**482**	**2,836**	**3,794**	**2,432**	**1,598**	**Uncertain**	**Uncertain**	**1,060**	**2,698**	**720**	**850**	**1,400**	**Uncertain**	**Uncertain**	**Uncertain**	**Uncertain**	**Uncertain**	
Environmental Water Demand																		

Table 4.38 South Coast WPA 7 Demand and Supply

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach (1)	Arroyo Grande (1)	Grover Beach (1)	Oceano CSD(1)	Agriculture	Rural	Golden State Water Company(16)	Nipomo CSD(16)	Rural Water Company(16)	Woodlands Mutual Water Company(16)	Conoco Phillips(16)	Agriculture(16)	Rural(16)	Agriculture /Rural	Agriculture	Rural	Environmental
Environmental Water Demand (AFY)(20)(22)																		32,960
Unimpaired Mean Annual Discharge (AFY)(21)(22)																		49,100

Notes:

1. Part of the Northern Cities Management Area (NCMA)
2. 2010 Annual Monitoring Report Northern Cities Management Area, Table 1. 2009 and 2008 demands listed below for reference.
   Pismo Beach reported 2,039 AFY in 2009 and 2,208 AFY in 2008
   Arroyo Grande reported 3,315 AFY in 2009 and 3,579 AFY in 2008
   Grover Beach reported 1,941 AFY in 2009 and 2,051 AFY in 2008
   Oceano CSD reported 885 AFY in 2009 and 933 AFY in 2008
   Agriculture reported 2,742 AFY in 2009 and 2008
3. Rural residential reported 36 AFY in 2009 and 2008. Agriculture is grouped in a category referred to as "Applied Irrigation" which is private water used for non domestic purposes. In the NCMA, Applied Irrigation demands are defined by agriculture and irrigated turf grass at schools and a golf course. Of the 2,056 AFY Applied Irrigation demand, agriculture likely accounted for 1,933 AFY (or 94 percent).
4. State Water Project average allocation assumed 66 percent of contract water service amount.
5. 140 AFY of the 1,240 AFY contracted amount has been allocated for Pismo Ranch.
6. Oceano CSD has a 750 AFY allocation, but no drought buffer. Therefore, the 66 percent assumption for State Water Project delivery is 495 AFY.
7. Edna Valley Sub-basin estimated safe basin yield is 4,000 AFY and all pumping is for urban, agricultural, rural users, golf courses, and CSA 18.
8. There is no estimate of the Pismo Creek Valley Sub-basin (basin-wide yield). The yield of the alluvial basin in the Spanish Spring ranch area has been estimated at 200 AFY.
9. Safe yield of 9,500 AFY with subdivisions for applied irrigation (5,300 AFY), subsurface outflow to the ocean (200 AFY), and urban use (4,000 AFY). The 2002 Groundwater Management Agreement safe yield allotment for urban use is broken down per the numbers shown.
10. 2002 Settlement Agreement provides that groundwater allocations can be increased when land within the incorporated boundaries is converted from agricultural uses to urban uses.
11. Arroyo Grande has an active agreement to purchase 100 AFY of Oceano CSD supplies from groundwater or Lopez Lake water. This temporary agreement ends in 2014.
12. Nipomo supplemental water project includes Nipomo CSD, Woodlands MWC, Golden State Water Company, and Rural Water Company. Nipomo CSD will receive approximately 1,667 AFY and has reserved an additional 500 AFY. The other three will receive 833 AFY.
13. For the NMMA purveyors, the groundwater supply was calculated as the difference between the current demand and the other sources of supply (e.g. recycled water, Nipomo supplemental water project).
14. Non-potable groundwater pumped from irrigation wells used on the State Parks Department golf course and a City park. The portion of the 225 AFY attributed to the golf course predates the Gentlemen's Agreement. The portion for the park is a substitute for preexisting agricultural use on the park site.
15. Diversions do not distinguish type of use. Potentially 1,243 AFY could be diverted for use to either agriculture or rural residential in WPA 7.
16. Part of the Nipomo Mesa Management Area (NMMA)
17. 2010 Annual Monitoring Report Nipomo Mesa Management Area. 2008 and 2009 demands listed below for reference.
    Golden State Water Company reported 1,380 AFY in 2008 and 1,290 AFY in 2009
    Nipomo CSD reported 2,700 AFY in 2008 and 2,370 AFY in 2010 (NCSD existing demand based on 2010 UWMP)
    Rural Water Company reported 900 AFY in 2008 and 880 AFY in 2009
    Woodlands Mutual Water Company reported 540 AFY in 2008 and 810 AFY in 2009
    ConocoPhillips reported 1,100 AFY in 2008 and 1,200 AFY in 2009
    Agriculture reported 4,300 AFY in 2008 and 3,800 AFY in 2009
    Rural residential reported 1,700 AFY in 2008 and 1,700 AFY in 2009
18. The golf course receives all of the WWTP's recycled water effluent for irrigation use (2009 - Range: 59,000-134,000 gpd, average flow: 78,000 gpd; permitted 120,000 gpd as a monthly average)
19. Ten percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand, except for Grover Beach, which assumed 20% additional reduction.

Table 4.38 South Coast WPA 7 Demand and Supply

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach (1)	Arroyo Grande (1)	Grover Beach (1)	Oceano CSD(1)	Agriculture	Rural	Golden State Water Company(16)	Nipomo CSD(16)	Rural Water Company(16)	Woodlands Mutual Water Company(16)	Conoco Phillips(16)	Agriculture(16)	Rural(16)	Agriculture /Rural	Agriculture	Rural	Environmental

20. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
21. Mean daily flow values from stream gauging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
22. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.
23. Nipomo CSD 2010 Urban Water Management Plan.

4.6.7.3 Huasna Valley WPA 8

The water supply sources for this WPA include the Huasna Valley Groundwater Basin, other groundwater supply sources, and State Board water diversions.

4.6.7.4 Urban Users

WPAs 8, 9, 10, 11, and 15 do not have urban demand because there are no large population centers in these WPAs.

4.6.7.4.1 *Rural Users*

For WPA 8, the existing annual rural water demand is 90 AFY and the range of projected future demand is 360 to 450 AFY. The majority of existing rural parcels identified in WPA 8 are classified as developed rural lands. The majority of vacant parcels in WPA 8 that could be converted to rural residential in the future are vacant parcels with rural land use designations.

4.6.7.4.2 *Agricultural Users*

The existing annual applied water for WPA 8 is approximately 1,550 AFY. The existing crops in this area include citrus, deciduous, vegetables, and vineyards. The projected future annual applied water for WPA 8 ranges from approximately 2,060 to 2,820 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of nursery, pasture, and vineyards.

4.6.7.4.3 *Environmental*

The unimpaired mean annual discharge for WPA 8 inclusive of the water management areas is approximately 34,220 AFY and environmental water demand of 25,020 AFY. WPA 8 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. Some of the creeks in these sub-watersheds included Huasna River and Alamo Creek.

4.6.7.4.4 *Huasna Valley WPA 8 Water Demand and Supply Summary*

Table 4.39 Huasna Valley WPA 8 Demand and Supply

	Urban	Agriculture	Rural	Environmental
Demand				
Existing Demand (AFY)	0	1,550	90	
Forecast Demand (AFY)	0	2,060-2,820	360-450	
Supply				
Huasna Valley Basin (AFY)(1)	0	Uncertain	Uncertain	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	(2)	(2)	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)(3)(5)				25,020
Unimpaired Mean Annual Discharge(AFY)(4)(5)				34,220

Notes:
1. There is no existing estimate of basin safe yield or hydrologic budget items.
2. Diversions do not distinguish type of use. Potentially 48 AFY could be diverted for use to either agriculture or rural residential.
3. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
4. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
5. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.6.7.5 Cuyama Valley WPA 9

The water supply sources for this WPA include the Cuyama Valley Groundwater Basin, other groundwater supply sources, and State Board water diversions.

4.6.7.5.1 *Urban Users*

WPAs 8, 9, 10, 11, and 15 do not have urban demand because there are no large population centers in these WPAs.

4.6.7.5.2 *Rural Users*

For WPA 9, the existing annual rural water demand is 10 AFY and the range of projected future demand is 80 to 100 AFY. The majority of existing rural parcels identified in WPA 9 are classified as developed rural lands. The majority of vacant parcels in WPA 9 that could be converted to rural residential in the future are vacant parcels with rural land use designations.

4.6.7.5.3 *Agricultural Users*

The existing annual applied water for WPA 9 is approximately 28,870 AFY. The existing crops in this area include deciduous, vegetables, and vineyards. The projected future annual applied water for WPA 9 ranges from approximately 25,320 to 32,410 AFY. The existing annual applied water falls within the range of projected future agricultural demand.

4.6.7.5.4 *Environmental*

The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.7.5.5 *Cuyama Valley WPA 9 Water Demand and Supply Summary*

Table 4.40 Cuyama Valley WPA 9 Demand and Supply

	Urban	Agriculture	Rural	Environmental[2]
Demand				
Existing Demand (AFY)	0	28,870	10	
Forecast Demand (AFY)	0	25,320-32,410	80-100	
Supply				
Cuyama Valley Basin (AFY)[1]	0	10,000[1]	10,000[1]	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)				Uncertain
Unimpaired Mean Annual Discharge(AFY)				Uncertain

Notes:
1. Demands include demands in the San Luis Obispo County portion of the basin and the remaining water planning area. Perennial yield for the entire basin has been estimated between 9,000 and 13,000 AFY. Recent work reported a perennial yield on the order of 10,000 AFY. 22 percent of basin is in San Luis Obispo County. Remainder of the basin resides in Santa Barbara, Kern, and Ventura County. There is no separate yield estimate for the San Luis Obispo County portion.
2. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8 Inland Sub-Region

This section describes water supply, water demand, and water quality for WPAs 10 through 16:

- Carrizo Plain WPA 10: Overlying users
- Rafael/Big Spring WPA 11: Overlying users
- Santa Margarita WPA 12: County Service Area 23 and Santa Margarita Ranch
- Atascadero/Templeton WPA 13: Templeton CSD, Atascadero MWC, Garden Farms Community Water District
- Salinas/Estrella WPA 14: San Miguel CSD, Camp Roberts, and County Service Area 16 (Shandon)
- Cholame WPA 15: Overlying Users
- Nacimiento WPA 16: Oak Shores and Heritage Ranch CSD

The majority of existing rural parcels identified in the Inland Sub-Region are classified as developed rural lands. The majority of vacant parcels in these WPAs that could be converted to rural residential in the future are vacant parcels with rural land use designations.

4.6.8.1 Carrizo Plain WPA 10

The primary source of water supply for this WPA is the Carrizo Plain Groundwater Basin, and to a limited extent, other groundwater basins and State Board water diversions.

4.6.8.1.1 *Urban Users*

WPAs 8, 9, 10, 11, and 15 do not have urban demand because there are no large population centers in these WPAs.

4.6.8.1.2 *Potential Overlying Users*

Source*: John Kessler, California Energy Commission (excerpts from Carrizo Energy Solar Farm); John Larson, URS Corporation (SunPower Project); Tim Cleath, Cleath-Harris Geologist, Inc. (SunPower Project); SunPower - California Valley Solar Ranch Environmental Impact Report (EIR), Topaz Solar Farm (First Solar) Draft Environmental Impact Report.*

The Carrizo Plain WPA has no large water purveyors. Water usage in this WPA is analyzed as overlying use. Due to the age of previous water studies for this area, potential demands and groundwater characterization from water studies completed for two proposed solar power projects are included in this discussion. The modeling completed for these two projects analyzes a significant portion of the Carrizo Plain Groundwater Basin.

These two large solar farms are referred to as the Topaz Solar Farm, and the SunPower-California Valley Solar Ranch. These proposed projects are 550 and 250 megawatt solar power plants, respectively. Both projects propose to use photovoltaic technology, which will consume less water than steam-producing plants. During operation of the facilities, (long-term) water demand would be required for washing solar panels if needed, potable water for employees, service water for general site uses including irrigation, and fire protection.

Table 4.41 Solar Farm Demand Estimates

Project	Demand During Construction	Operations
Topaz Solar Farm	48-273	4.5
Sun Power	41	9.3
	Total	**13.8**

The reported safe yield of the Carrizo Plain Groundwater Basin reported by was 600 AFY (based on water demand in 1954). The Kemnitzer safe yield was estimated at 59,000 AFY (based on 1967 inflow/outflow analysis). Taking into consideration the methodologies used in previous studies, current and historical groundwater levels, and water quality, the solar project EIRs' water analyses conclude that a more reasonable safe yield on which to base planning decisions is between 8,000 – 11,000 AFY.

Groundwater quality has a wide range of qualities, as noted in the groundwater resources discussion for the Carrizo Plain. Additionally, according to the Sun Power EIR, the results of groundwater quality testing conducted on samples for the proposed Sun Power solar project well indicate TDS content of 4,940 mg/L at the proposed project site. The EIR concludes that the groundwater quality, with treatment (reverse osmosis is proposed), is useable for the proposed project, particularly considering historic land uses of the area and understanding of aquifer characteristics. Similarly, according to the Topaz Farm EIR, the results of groundwater quality testing conducted on samples for the proposed Topaz Farm solar project well indicate water from the lower aquifer is not suitable for drinking water without treatment and primarily exceed the drinking water standard for nitrate.

4.6.8.1.3 *Rural Users*

The estimated rural demand for the Carrizo Plain, WPA 10, is 210 AFY and future demand ranges from 9,610 to 12,740. The majority of existing rural parcels identified in WPA 10 are classified as developed rural lands. According to existing zoning, it is possible that Carrizo Plain could have extensive residential development. However, it is unlikely that the number of residential units that are zoned as potential residential will be developed due to limited water availability and other factors.

4.6.8.1.4 *Agricultural Users*

The existing annual applied water for WPA 10 is approximately 800 AFY. The existing crops in this area are primarily citrus crops. The projected future annual applied water for WPA 10 ranges from approximately 680 to 890 AFY. The existing annual applied water falls within the range of projected future agricultural demand.

4.6.8.1.5 *Environmental*

The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8.1.6 *Carrizo Plain WPA 10 Water Demand and Supply Summary*

Table 4.42 Carrizo Plain WPA 10 Demand and Supply

	Urban	Solar Power[1]	Agriculture	Rural	Environmental[5]
Demand					
Existing Demand (AFY)	0	0	800	210	
Forecast Demand (AFY)	0	13.8	680-890	9,610-12,740[2]	
Supply					
Carrizo Plain Basin (AFY)[3]	0	0	800	210	
Other Groundwater Supply Sources (AFY)	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	(4)	(4)	
Total Supply (AFY)	**0**	**Uncertain[1]**	**800**	**210**	
Environmental Water Demand					
Environmental Water Demand (AFY)					Uncertain
Unimpaired Mean Annual Discharge(AFY)					Uncertain

Notes:
1. Potential demands from two identified future solar power projects (Topaz Solar Farm and Sun Power-California Valley Solar Ranch), which have yet to be approved.
2. Carrizo Plain rural demand projections are based on existing zoning, which includes the potential for extensive California Valley development. The actual development may be much lower than the range shown due to water quality and other considerations.
3. The safe seasonal yield was estimated at 8,000 - 11,000 AFY.
4. Diversions do not distinguish type of use. Potentially 81 AFY could be diverted for use to either agriculture or rural residential.
5. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8.2 Rafael/Big Spring WPA 11

The primary source of water supply for this WPA is the Rafael Valley and Big Spring Valley Groundwater Basins, and to a limited extent, State Board water diversions.

4.6.8.2.1 *Urban Users*

WPAs 8, 9, 10, 11, and 15 do not have urban demand because there are no large population centers in these WPAs.

4.6.8.2.2 *Rural Users*

There is minimal or no existing rural demand for WPA 11, but in the future, if water is available and development occurs, there could be from approximately 470 to 620 AFY.

4.6.8.2.3 *Agricultural Users*

There are minimal or no agricultural demands in this WPA.

4.6.8.2.4 *Environmental*

The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8.2.5 *Rafael/Big Spring WPA 11 Water Demand and Supply Summary*

Table 4.43 Rafael/Big Spring WPA 11 Demand and Supply

	Urban	Agriculture	Rural	Environmental[4]
Demand				
Existing Demand (AFY)	0	Minimal	Minimal	
Forecast Demand (AFY)	0	0	470-620	
Supply				
Rafael Valley Basin (AFY)[1]	0	Uncertain[2]	Uncertain[2]	
Big Spring Area Basin[1]	0	Uncertain[2]	Uncertain[2]	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	[3]	[3]	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)				Uncertain
Unimpaired Mean Annual Discharge(AFY)				Uncertain

Notes:
1. There is no information describing the basin yield.
2. It is uncertain which basins are used and the quantity of water pumped from each basin. Future studies should invest the resources to quantify the location and use of each basin.
3. Diversions do not distinguish type of use. Potentially 59 AFY could be diverted for use to either agriculture or rural residential.
4. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8.3 Santa Margarita WPA 12

The primary source of water supply for this WPA is the Santa Margarita, Rinconada, and Pozo Valley Groundwater Basins, Santa Margarita Creek Alluvial Aquifer, and to a limited extent other groundwater supplies and State Board water diversions.

4.6.8.3.1 *Santa Margarita Ranch*

Source: *Santa Margarita Ranch Agricultural Residential Cluster Subdivision Project and Future Development Program EIR*

The Santa Margarita Ranch (Ranch) encompasses approximately 14,000 acres and is located immediately east of U.S. Highway 101, and surrounds the community of Santa Margarita. The land currently functions as ranch and vineyard with minimal residential water use. Approximately 96 percent of the water is used by vineyards and other farm operations. An Agricultural Residential Cluster Subdivision (ARCS) is proposed, including 3,778 acres near the middle of the Ranch, southeast of the community of Santa Margarita. A Future Development Program (FDP) is planned in various locations throughout the balance of the property. The proposed ARCS includes 111 large-lot residential units and agricultural reserves. The FDP covers a variety of development types, including 402 residences, a golf course, guest ranch, wineries, and other commercial and recreational facilities.

The existing Ranch water use is estimated at 1,621 AFY based on land use water factors. Planned expansion of orchards and vineyards will increase water use to 4,263 AFY. The proposed development's EIR states that the ARCS would increase water demand by 161 AFY. Implementation of the FDP would add an additional 1,466 AFY of demand. Based on these values, the total build-out demand is 5,890 AFY.

Existing Santa Margarita Ranch water demands are supplied entirely by groundwater. The Ranch property is currently served by approximately 27 wells, located primarily along the east side of the Ranch, west of West Pozo Road. Individual well yields typically range between 200 and 400 gpm with some wells capable of rates of up to 1,000 gpm. Supplemental water supply options for Santa Margarita Ranch are State Water and Nacimiento water.

Environmental water requirements may limit the use of groundwater to meet the needs of expanded agricultural production and eventual residential development. Trout and Rinconada Creeks, which are upper tributaries of the Salinas River, are important spawning habitat for steelhead, a federally declared endangered species. The National Marine Fisheries Service (NMFS) has previously received complaints that the creeks have allegedly been dewatered as a result of vineyard development on Ranch property.

TDS concentrations in wells in the area are relatively high. Nitrates have measured concentrations below the MCL of 45 mg/L. Total coliform, fecal coliform, and Escherichia

coli data have been found to be suggestive, although not conclusive, of small impacts on both shallow and deep aquifer wells from local wastewater disposal systems.

4.6.8.3.2 *County Service Area 23*

Source: 2003 CSA 23 Water Master Plan, several County staff memos, County Public Works-compiled consumption data and Planning Department land use projections

County Service Area 23 (CSA 23) provides water service to the community of Santa Margarita. Santa Margarita has a population of approximately 1,400 and covers an area of approximately 265 acres. CSA 23 supplies the community with water via groundwater wells located in the center and south-eastern corner of the community. The community is completely reliant on groundwater for its supply.

In 2009, the CSA served a total of 525 connections, predominantly residential. Future build-out is estimated to be 619 connections. CSA 23 receives its water supply from two wells; Well No. 3 and No. 4. Well No. 3 is a deep, fractured-rock well and Well No. 4 is a relatively shallow well that pumps from the alluvial deposits of Santa Margarita Creek. Two other wells, No. 1 and No. 2, are near No. 4, but are not built to current health standards, and can only be used in an emergency with a boil water order.

During periods of low seasonal rainfall, water level in the shallow well typically drops, triggering various voluntary conservation methods. Although the community is better than 85 percent built out according to the current general plan, there is concern that existing groundwater supplies may not be adequate to supply additional residents and that they are inadequate during periods of less than normal rainfall. There is also the concern that the reliance on essentially a single supply source (groundwater) may be placing the community in a tenuous public health and safety position.

The 2003 Master Plan recommended securing an additional 100 AFY of reliable supply. Based on community input, concerns over cost and need, CSA 23 is currently investigating several options to secure an additional source of water to be used only during a drought or other emergency. These include State Water, Lake Nacimiento water or additional groundwater wells. Any one of these sources could potentially supply water demand at build-out given the community's support.

CSA 23 has been able to deliver water that meets State Drinking Water Standards.

4.6.8.3.3 *Rural Users*

The existing rural demand for WPA 12 is approximately 240 AFY and future demand ranges from approximately 450 to 520 AFY.

Table 4.44 Santa Margarita Area Demand and Supply		
	CSA 23	**Santa Margarita Ranch**
Demand		
Existing Demand (AFY)	164	1,621
Forecast Demand (AFY)	173-192[4]	5,301-5,890[4]
Supply		
Santa Margarita Valley Basin (AFY)[1]	164	1,621
Rinconada Valley Basin[2]	0	0
Pozo Valley Basin[3]	0	0
Other Groundwater Supply Sources (AFY)	0	0
SWRCB Water Diversions (AFY)	0	22
Total Supply (AFY)	**164**	**1,643**

Notes:
1. No comprehensive studies to determine the perennial yield are known to exist. However, some reports indicate an average annual yield may range between 400 to 600 AFY.
2. There is no information describing the basin yield.
3. The safe available storage has been reported to be 1,000 AFY. There is insufficient information to characterize water availability.
4. Ten percent water conservation assumed for the low end of the forecast build-out demand.

4.6.8.3.4 *Agricultural Users*

The existing annual applied water for WPA 12 is approximately 1,770 AFY. The existing crops in this area include alfalfa, deciduous, pasture, and vineyards. The projected future annual applied water for WPA 12 ranges from approximately 1,720 to 2,680 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, deciduous, pasture, and vineyards.

4.6.8.3.5 *Environmental*

The unimpaired mean annual discharge for WPA 12 inclusive of the water management areas is approximately 46,630 AFY and environmental water demand of 32,850 AFY. WPA 12 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The Salinas River is the major river in these sub-watersheds.

4.6.8.3.6 *Santa Margarita WPA 12 Water Demand and Supply Summary*

Table 4.45 Santa Margarita WPA 12 Demand and Supply

	CSA 23	Santa Margarita Ranch	Agriculture	Rural	Environmental
Demand					
Existing Demand (AFY)	164	1,621	1,770	240	
Forecast Demand (AFY)	173-192[6]	5,301-5,890[6]	1,720-2,680	450-520	
Supply					
Santa Margarita Valley Basin (AFY)[1]	164	1,621	Uncertain[2]	Uncertain[2]	
Rinconada Valley Basin[3]	0	0	Uncertain[2]	Uncertain[2]	
Pozo Valley Basin[4]	0	0	Uncertain[2]	Uncertain[2]	
Other Groundwater Supply Sources (AFY)	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	22	[5]	[5]	
Total Supply (AFY)	**164**	**1,643**	**Uncertain**	**Uncertain**	
Environmental Water Demand					
Environmental Water Demand (AFY)[7][9]					32,850
Unimpaired Mean Annual Discharge(AFY)[8][9]					46,630

Notes:
1. No comprehensive studies to determine the perennial yield are known to exist. However, some reports indicate an average annual yield may range between 400 to 600 AFY.

Table 4.45 Santa Margarita WPA 12 Demand and Supply

	CSA 23	Santa Margarita Ranch	Agriculture	Rural	Environmental

2. It is uncertain which basins are used and the quantity of water pumped from each basin. Future studies should invest the resources to quantify the location and use of each basin.
3. There is no information describing the basin yield.
4. The safe available storage has been reported to be 1,000 AFY. There is insufficient information to characterize water availability.
5. Diversions do not distinguish type of use. Potentially 417 AFY could be diverted for use to either agriculture or rural residential.
6. Ten percent water conservation assumed for the low end of the forecast build-out demand.
7. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
8. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
9. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.6.8.4 Atascadero/Templeton WPA 13

The primary source of water supply for this WPA is the Atascadero Groundwater Sub-basin (Paso Robles Formation and Salinas River Underflow), recycled water, Nacimiento Water Project, and to a limited extent, other groundwater supplies and State Board water diversions.

4.6.8.4.1 *Templeton Community Services District*

Source: *2005 Templeton CSD Water System Master Plan Update, 2010 Paso Robles Groundwater Basin Water Balance Review and Update*

The Templeton Community Services District (Templeton CSD) supplies its customers with domestic water service. Templeton is an unincorporated community located along Highway 101 between the City of Paso Robles and City of Atascadero. Templeton consists of a mix of residential, commercial, agriculture, and recreational areas. The Templeton area has a number of homes on larger lots, and thus exhibits a relatively large per capita water demand as a result.

Population projections are based on only those areas served by, and within, the Templeton CSD service area boundary. Thus, there will likely be discrepancies between these projections and those provided by the County or census data. The existing service area population was estimated at 6,417 persons. Based on the 2005 estimated population of 6,417 persons determined by the Templeton CSD's water service connections, plus 2,180 persons from the commercial mixed-use component, and an additional 900 persons from the residential component, the Templeton CSD's estimated build-out population (within its existing service area boundary) is 9,497 persons. The existing and forecast demands are summarized in Table 4.47 following the discussion on Garden Farms.

The Templeton CSD depends on water from eleven wells that extract water from two groundwater sources: the Paso Robles Formation and the Salinas River Underflow. Nine of the eleven wells that extract water from the Paso Robles Formation are extracting from the Atascadero Groundwater Sub-basin.

The Templeton CSD currently is permitted to extract 500 AFY from the Salinas River Underflow between October 1 and April 1. Two wells tap this aquifer, though only the Smith Well is in service. The Templeton CSD may request from CDPH an extended permit to continue to pump from the river wells through May 15 if sufficient water is available and flowing during that time.

An additional source of water for Templeton CSD comes from their re-use program with disposal of treated wastewater effluent from the Meadowbrook WWTP percolation ponds. This program allows the Templeton CSD to percolate treated effluent into the groundwater basin/Salinas River Underflow and subsequently extract the same amount of water 28 months later. According to the 2005 Water Master Plan, wastewater flow to the

Meadowbrook WWTP at that time was 148,000 gpd (165 AFY) with 30 AF being used to irrigate an alfalfa field. Therefore, the Templeton CSD at that time had been withdrawing approximately an additional 135 AFY from the Salinas River allocation (above the 500 AFY permitted Salinas River underflow). Table 4.46 below (Table 4-3 from the 2005 Water Master Plan) summarizes the existing water supply and allocations for Templeton CSD.

Table 4.46 Summary of Existing Water Supplies for Templeton CSD

	Summer Allocation (AFY) (April 1 through September 30)	Winter Allocation (AFY) (October 1 through March 31)	Total Allocation (AFY)
Paso Robles Formation	Included in total	Included in total	1,700/1,550[1]
Salinas River			
Salinas River Underflow	0	500	500
Riparian Rights	No increase to water supply	No increase to water supply	No increase to water supply
Greer Riparian Rights	94 AF	0	94
Re-Use Program	66 AF[2]	66 AF[2]	132
		Total	**2,246**

Notes:
1. The Templeton CSD can extract water from the Paso Robles Formation any time during the year, however, the Templeton CSD extracts the majority of the water during the summer months when the main river water allocation is not available. The Paso Robles Formation is only used during the winter to help meet peak demands that the Smith Well is unable to meet.
2. Allocation based on the existing wastewater demand minus the irrigated effluent to alfalfa fields minus 2 percent water loss.

Future water supply for the Templeton CSD will likely come from the Nacimiento Water Project (NWP). The Templeton CSD is under contract to receive 250 AFY from the NWP. Templeton CSD plans to receive raw water from the NWP and percolate this water into the Salinas River Underflow, in a similar manner that they percolate effluent from the Meadowbrook WWTP percolation ponds (Selby Pond site). This 250 AFY of percolated NWP water will then be extracted from the Templeton CSD's downstream potable water well field. In addition, the Templeton CSD might divert additional wastewater flows to the Meadowbrook WWTP (which currently flow to the City of Paso Robles WWTP), which will allow them to increase percolation into and extraction from the Salinas River Underflow by as much as 343 AFY. These future water supply provisions are referenced in the 2005 Water Master Plan, and are included as recommendations for future water supply.

Based on the 2005 Water Master Plan, and review of current consumer confidence reports (CCRs), the Templeton CSD's water supply to its customers meets all water quality standards. In general, the river wells have lower total dissolved solid levels than the Atascadero Groundwater Sub-basin; however, all of the wells are below the upper limits of the drinking water standard of 1,000 mg/L. The Templeton CSD's overall aggregate TDS quality to its customers, as reported in the 2004 CCR, was 653 mg/L. This is based on how the Templeton CSD distributes and blends the various water supplies to its customers.

4.6.8.4.2 *Atascadero Mutual Water Company*

Source: *2005 Atascadero MWC UMWP and Draft 2009 Master Water Plan*

The Atascadero Mutual Water Company (Atascadero MWC) is a corporation organized under the laws of California for providing water service to property owners, known as the shareholders, within a geographical service area. Atascadero MWC supplies its customers with domestic water service and fire protection. Atascadero MWC's service boundary includes the City of Atascadero limits and some unincorporated areas (e.g. communities such as the Eagle Ranch Property, the West San Marcos Development, and the area south of Santa Rosa Road known as the Random Oaks area). In 2008, the Atascadero MWC served a population of 30,595 with 10,505 service connections. The Atascadero MWC projects a 2030 population of 37,436.

The City of Atascadero is located along Highway 101, between the City of Paso Robles and City of San Luis Obispo. The City of Atascadero consists of a mix of residential, commercial, agriculture, and recreational areas. Eagle Ranch, a large proposed development on the southwest side of the City of Atascadero, is only partially within Atascadero MWC's service area boundary. Atascadero MWC will serve the existing portion of the development within its boundary and another small portion proposed for inclusion. Adequate water supply for all of Eagle Ranch has yet to be confirmed.

According to Atascadero MWC records and demand forecasts, average annual per capita demand has fluctuated in the range of 188 to 213 over the past decade, with lower water use possibly linked to mandatory conservation measures. It is anticipated that water conservation programs will cause lower per capita demands to become the rule rather than the exception. A per capita demand of 199 gpcd is used to estimate a future peak demand of 7,600 AFY in 2019 with a population of 34,016. Thereafter, conservation measures are predicted to more than compensate for population growth, resulting in a build-out demand of 7,511 AFY in 2030 for a population of 37,436. The existing and forecast demands are summarized in Table 4.47 following the discussion on Garden Farms.

The Atascadero MWC's water source is the Atascadero Groundwater Sub-basin (of the Paso Robles Groundwater Basin) and Salinas River Underflow. Water is pumped from 17 active wells with two additional wells on standby status. Atascadero MWC derives approximately half of its supply from the Atascadero Groundwater Sub-basin, with the remainder coming from the Salinas River Underflow. Atascadero MWC has rights to

3,372 AFY from the Salinas River Underflow. As the Salinas River Underflow is more sensitive to rainfall, during dry years the proportionate withdrawal from the deeper Atascadero Groundwater Sub-basin increases.

The current water supply system is under stress due to the ongoing drought. During the spring of 2009, the Atascadero MWC issued a stage 2 water shortage condition alert when reserve production capacity fell to less than 10 percent of the maximum day demand. Stage 2 mandatory conservation measures include a ban on daytime landscape watering, required alternate irrigation schedules, and a prohibition of irrigation runoff.

The Atascadero MWC is a major partner of the Nacimiento Water Project, having contracted for a 2,000 AFY allotment of this future supply. The water will be used to recharge the groundwater table in the vicinity of the deep wells that pump from the Atascadero Groundwater Sub-basin. The Atascadero MWC is also exploring the expansion of its current well fields.

Atascadero MWC continues to aggressively promote water conservation, as it has since 1993. Atascadero MWC's program has reduced per capita indoor water use and the use of potable water for landscape irrigation. Atascadero MWC provides educational resources on its website, in its offices, and in periodic brochures included with water bills. In 1997, Atascadero MWC signed a memorandum of understanding (MOU) with the California Urban Water Conservation Council (CUWCC) and continues to implement and meet the goals of Best Management Practices for water conservation, including:

- Conservation Rate Structure (i.e. Tier Water Rates)
- Turf conversion rebates
- Lawn aeration rebates
- Sprinkler nozzle replacement rebates
- Irrigation controller rain sensor rebates
- Weather based irrigation controller and soil moisture sensor rebates
- Rainwater harvesting system rebates
- High efficiency clothes washing machine rebates
- High efficiency toilet rebates
- School education programs
- Free seminars on water conserving landscape design and plant selection
- Free landscape/home water surveys
- Annual Water-Conserving Landscape awards

Atascadero MWC is also a member of the Groundwater Guardian Program, Alliance for Water Efficiency, Water Education Foundation, and San Luis Obispo County Partners in Water Conservation.

Atascadero MWC's water supply to its customers meets all primary and secondary water quality standards.

4.6.8.4.3 *Garden Farms Community Water District*

Source: *Garden Farms CWD Well logs and 2007 CCR*

The Garden Farms Community Water District (Garden Farms CWD) provides water to consumers in and around the unincorporated community of Garden Farms, located along the old El Camino Real between Santa Margarita and Atascadero. Garden Farms is a small residential community of 240 residents with 113 water service connections. Besides two small commercial establishments, all connections are residential.

Demand has fluctuated between 48 and 93 AFY over the past four years. The service area is fully built out. Garden Farms CWD draws all of its supply from three wells (though the third well is rarely used) which tap the Atascadero Groundwater Sub-basin. Water levels have dropped several feet in the past year, likely due to the ongoing drought in the region.

Groundwater quality is typical for the sub-basin, with no contaminants exceeding the primary drinking water standards. High levels of manganese (70 ppb reported in 2007) have been detected, but do not currently exceed the secondary drinking water standard of 50 ppb.

Table 4.47 Garden Farms CWD, Templeton CSD, Atascadero MWC, and Paso Robles Demand and Supply

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles[9]
Demand				
Existing Demand (AFY)	48-93	1,682	6,565	4,063
Forecast Demand (AFY)	48-93	2,034-2,260[8]	6,840-7,600[8]	3,728
Supply				
Atascadero Groundwater Sub-basin (AFY)[7]				
Paso Robles Formation (AFY)[1]	48 - 93	1,050[2]	3,193	Included with Salinas River Underflow
Salinas River Underflow (AFY)[1]	0	500[3]	3,372[4]	4,063/3,728[9]
Recycled Water (AFY)[5]	0	132/475	0	0
Other Groundwater Supply Sources (AFY)	0	0	0	0
SWRCB Water Diversions (AFY)	0	0	0	0
Nacimiento Water Project (AFY)[6]	0	250	2,000	0
Total Supply (AFY)	**48-93**	**1,932**	**8,565**	**4,063**

Notes:
1. The perennial yield was estimated to be 16,400 AFY. Extractions from the Sub-basin occur primarily from the Salinas River Underflow and deeper formations. Depending on the estimated use for the Agricultural and Rural sectors, future hydrology and whether additional Nacimiento supplies are utilized, Sub-basin studies are indicating that the perennial yield may be exceeded in the future.
2. Nine of Templeton CSD's wells extract groundwater from the Atascadero Groundwater Sub-basin of the Paso Robles Formation.
3. Templeton CSD is permitted to extract 500 AFY from the Salinas River Underflow between October 1 and April 1.
4. Atascadero MWC rights to 3,372 AFY from Salinas River underflow.

Table 4.47 Garden Farms CWD, Templeton CSD, Atascadero MWC, and Paso Robles Demand and Supply				
	Garden Farms CWD	**Templeton CSD**	**Atascadero MWC**	**Paso Robles[9]**

5. Percolation of treated wastewater effluent into the Salinas River underflow and extraction of the same amount 28 months later. Currently about 132 AFY is percolated and extracted. This could increase to 475 AFY in the future.
6. Nacimiento Water Project is scheduled to go online in 2010.
7. The agencies, County, District, and local land owners intend to actively and cooperatively manage the Paso Robles Groundwater Basin (which includes the Sub-basin) via the development of a Groundwater Management Plan.
8. Ten (10) percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand.
9. Paso Robles discussed in Water Planning Area 14 but included here because Paso Robles wells extract water from this water planning area. For the purposes of this analysis, it was assumed that half (4,063 AFY) of the existing demand of 8,126 AFY was extracted from the Salinas River Underflow via the Thunderbird Well Field in WPA 13. Paso Robles is permitted to extract 4,600 AFY from Salinas River Underflow, but not all is pumped from the WPA 13. Part is extracted from within WPA 14. At build-out, it was assumed that Paso Robles would extract half (3,728 AFY) of its total future groundwater supply of 7,456 AFY from the Atascadero Sub-basin.

4.6.8.4.4 *Rural Users*

The existing rural demand for WPA 13 is approximately 1,480 AFY and future demand ranges from 1,810 to 1,930 AFY.

4.6.8.4.5 *Agricultural Users*

The existing annual applied water for WPA 13 is approximately 10,620 AFY. The existing crops in this area include citrus, deciduous, nursery, pasture, vegetable, and vineyards. The projected future annual applied water for WPA 13 ranges from approximately 9,740 to 14,600 AFY. The projected future agricultural demand could exceed existing annual applied water due to increases in acreage of all existing crop groups.

4.6.8.4.6 *Environmental*

The unimpaired mean annual discharge for WPA 13 inclusive of the water management areas is approximately 74,090 AFY and environmental water demand of 41,010 AFY. WPA 13 was divided into two sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The major water bodies in these sub-watersheds include the Salinas River and Paso Robles Creek.

4.6.8.4.7 *Atascadero/Templeton WPA 13 Water Demand and Supply Summary*

Table 4.48 Atascadero/Templeton WPA 13 Demand and Supply

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles (12)	Agriculture	Rural	Environmental
Demand							
Existing Demand (AFY)	48-93	1,682	6,565	4,063	10,620	1,480	
Forecast Demand (AFY)	48-93	2,034-2,260(11)	6,840-7,600(11)	3,728	9,740-14,600	1,810-1,930	
Supply							
Atascadero Groundwater Sub-basin (AFY)(10)							
Paso Robles Formation (AFY)(1)	48-93	1,050(2)	3,193	Included with Salinas River Underflow	(3)	(3)	
Salinas River Underflow (AFY)(1)	0	500(4)	3,372(5)	4,063/ 3,728(12)	745(6)	0	
Recycled Water (AFY)(7)	0	132/475	0	0	0	0	
Other Groundwater Supply Sources (AFY)	0	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	0	(8)	(8)	
Nacimiento Water Project (AFY)(9)	0	250	2,000	0	0	0	

Table 4.48 Atascadero/Templeton WPA 13 Demand and Supply

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles (12)	Agriculture	Rural	Environmental
Total Supply (AFY)	**43-93**	**1,932/2,275**	**8,565**	**4,063**	**Uncertain**	**Uncertain**	
Environmental Water Demand							
Environmental Water Demand (AFY)(13)(15)							41,010
Unimpaired Mean Annual Discharge(AFY)(14)(15)							74,090

Notes:

1. The perennial yield was estimated to be 16,400 AFY. Extractions from the Sub-basin occur primarily from the Salinas River Underflow and deeper formations. Depending on the estimated use for the Agricultural and Rural sectors, future hydrology and whether additional Nacimiento supplies are utilized, Sub-basin studies are indicating that the perennial yield may be exceeded in the future.
2. Nine of Templeton CSD's wells extract groundwater from the Atascadero Groundwater Sub-basin.
3. It is assumed that the majority of water supply for rural users and about 13 percent of the supply for agricultural users comes from the Sub-basin.
4. Templeton CSD is permitted to extract 500 AFY from the Salinas River Underflow between October 1 and April 1.
5. Atascadero MWC rights to 3,372 AFY from Salinas River underflow.
6. SWRCB records indicate that 745 AFY could have been diverted from the Salinas River (direct diversion or underflow). It is assumed that the entire amount is used for agriculture.
7. Percolation of treated wastewater effluent into the Salinas River underflow and extraction of the same amount 28 months later. Currently about 132 AFY is percolated and extracted. This could increase to 475 AFY in the future.
8. Diversions do not distinguish type of use. Potentially 1,431 AFY could be diverted for use to either agriculture or rural residential. Diversions were not analyzed as to whether they are within or outside the Sub-basin.
9. Nacimiento Water Project is scheduled to go online in 2010.
10. The agencies, County, District, and local land owners intend to actively and cooperatively manage the Paso Robles Groundwater Basin (which includes the Sub-basin) via the development of a Groundwater Management Plan.
11. Ten (10) percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand.
12. Paso Robles discussed in Water Planning Area 14 but included here because Paso Robles wells extract water from this water planning area. For the purposes of this analysis, it was assumed that half (4,063 AFY) of the existing demand of 8,126 AFY was extracted from the Salinas River Underflow via the Thunderbird Well Field in WPA 13. Paso Robles is permitted to extract 4,600 AFY from Salinas River Underflow, but not all is pumped from the WPA 13. Part is extracted from within WPA 14. At build-out, it was assumed that Paso Robles would extract half (3,728 AFY) of its total future

Table 4.48 Atascadero/Templeton WPA 13 Demand and Supply

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles (12)	Agriculture	Rural	Environmental

groundwater supply of 7,456 AFY from the Atascadero Sub-basin.

13. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
14. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
15. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.6.8.5 Salinas/Estrella WPA 14

The primary source of water supply for this WPA is the Paso Robles Groundwater Basin (Paso Robles Formation (and/or alluvium) and Salinas River Underflow), Nacimiento Water Project, and to a limited extent, other groundwater supplies and State Board water diversions.

4.6.8.5.1 *San Miguel Community Services District*

Source: *2002 San Miguel CSD Water Master Plan*

The San Miguel CSD supplies its customers with domestic water service. The unincorporated community of San Miguel is located along Highway 101, north of the City of Paso Robles. According to the 2002 Water Master Plan, the current population within the San Miguel CSD boundary was approximately 1,500 and is expected to increase to 3,742 at build-out (2040) within the existing CSD boundary. The San Miguel CSD service area covers approximately 1,530 acres of land zoned residential, office, commercial, recreation, public facility, agriculture, and industrial. The existing and forecast demands are summarized in Table 4.49 presented following the discussion on County Service Area 16 (Shandon).

The water supply for the San Miguel CSD is obtained solely from groundwater pumping of the Paso Robles Formation. There are three wells within the district; the two primary wells are Well No. 3 and Well No. 4. Well No. 5, a smaller well, historically exhibited high nitrate levels and was removed from service. In 2007, the District replaced Well 5 with a new well in the same location, but installed it deeper (approximately 800 feet). This new well has experienced occasional high nitrate concentrations and possibly high arsenic concentrations. This new well is temporarily out of service while the district conducts further evaluation.

The presence of gross alpha emitters approaching the MCL in the San Miguel water supply is of growing concern. The presence of gross alpha emitters is from naturally occurring decay of Uranium-238 and Thorium-232. The two main wells have shown increasing levels of gross alpha particles through the years, although the average is currently below the proposed MCL. Several of these samples indicate gross alpha levels that exceed the proposed MCL of 15 pCi/L.

4.6.8.5.2 *Camp Roberts*

Source: *San Miguel CSD/Camp Roberts Water System Consolidation Study, 2002*

Camp Roberts is operated by the California Army National Guard, and covers approximately 42,784 acres. Camp Roberts, located north of the community of San Miguel, is situated in both San Luis Obispo and Monterey Counties. When fully mobilized, the base supports 8,500 people. In the event of a nuclear disaster at Diablo Canyon Nuclear Power

Plant, Camp Roberts is an evacuation and staging area for about 23,000 residents within San Luis Obispo County. No growth is expected for Camp Roberts, however, based on the above discussion, water demand and temporary service population can vary widely. Base population can be a combination of on-base personnel and civilian personnel that do not live on Base. The existing and forecast demands are summarized in Table 4.49 following the discussion on County Service Area 16 (Shandon).

Camp Roberts water supply is from groundwater pumping, with three active wells. TDS and arsenic levels in the groundwater are marginal. According to 2001 reports, the TDS concentration was about 900 mg/L. Also, the arsenic levels in 2001 were noted to be 9.6 µg/L, just below the MCL of 10 µg/L.

4.6.8.5.3 *City of Paso Robles*

Source: *2005 City of Paso Robles UWMP and correspondence from Christopher Alakel*

The City of Paso Robles is located along Highway 101 in northern San Luis Obispo County. Paso Robles is situated on the upper Salinas River. Paso Robles encompasses a total area of 11,985 acres on both sides of the Salinas River. The City also is situated on the western margin of the Paso Robles Groundwater Basin.

Paso Robles has a strong agricultural base, and remains the major service center for ranching and agriculture in the North County, particularly areas to the east along Highway 46. The City proper is a mix of residential, commercial and industrial land uses, with significant areas devoted to parks and open space. Paso Robles, with a 2005 population of 27,361, is a growing community that could attain a population of 44,000 at build-out. The existing and forecast demands are summarized in Table 4.49 following the discussion on County Service Area 16 (Shandon).

The City of Paso Robles has historically relied upon local water supplies from the Salinas River Underflow and from the Paso Robles Formation (which is part of the Paso Robles Groundwater Basin) for its municipal water supply. The deeper Paso Robles Formation currently contributes 2,856 AFY to City supply. The City plans to maintain this extraction rate in the future. Salinas River Underflow refers to shallow subterranean flows in direct connection with the Salinas River. This underflow is subject to appropriative water rights and permitting by the State Water Resources Control Board (State Board). An approved State Board application allows the City to extract up to 8 cfs (3,590 gpm) with a maximum extraction of 4,600 AFY (January 1 to December 31).

The City participates in the Paso Robles Groundwater Basin Agreement (Agreement) with the District, CSA 16 – Shandon, San Miguel CSD, and approximately 20 landowners that have organized as the Paso Robles Imperiled Overlying Rights (PRIOR) group. Key elements of the Agreement are a clear acknowledgement that the Paso Robles Groundwater Basin is not in overdraft now, and that the parties will not take court action to establish any priority of groundwater rights over another party as long as the Agreement is

in effect. In addition, the parties agree to participate in a meaningful way in groundwater management activities, and to develop a plan for monitoring groundwater conditions in the groundwater basin.

To assure its water supply into the future, the City of Paso Robles will purchase water from the Nacimiento Water Project, which is projected to deliver 4,000 AFY of raw water. The City is progressing with its plans for a water treatment plant. In November 2011, the City Council authorized the implementation of a plant capable of treating 2,000 AFY of NWP water. This phase should be completed by 2015/16. The City will have the option of increasing its allotment of Nacimiento water to 8,000 as demand increases.

Another supply alternative being pursued by Paso Robles is the use of recycled wastewater. The City owns its own wastewater treatment plant, which currently provides secondary treatment. Several alternatives have been studied to upgrade treatment to the tertiary level, and it is assumed that one of these alternatives will eventually be pursued. 5,000 AFY of wastewater could ultimately be treated, but only 944 AFY would be needed to meet build-out demand. This margin of safety serves as a backup source in case of limitations on any of the other sources of supply.

The City has implemented a number of mandatory water conservation measures that were in force throughout the water service area. They include mandatory recycling or recirculation of water for car washes, cooling systems, and decorative fountains and several other practices designed to curb water waste. In the summer of 2011, the City lifted many of the mandatory requirements. Paso Robles is also a member in the San Luis Obispo County Partners in Water Conservation.

The City has targeted landscape irrigation as the water use practice with the highest potential for water conservation. Educational resources are available on the City website, in City offices, and in periodic brochures included with water bills. The City also sponsors a school education program that includes water conservation as a key component.

In general, City water quality is good, but has relatively high TDS and hardness. With regard to regional groundwater quality, the Estrella subarea of the Paso Robles Groundwater Basin is characterized locally by increasing TDS, chloride and nitrate concentrations. These adverse water quality trends are unlikely to affect the City's water supply in the near future, given that groundwater currently provided by the City meets all drinking water standards and the increases in TDS, chloride and nitrate are localized. Nonetheless, salt loading to the groundwater basin is an important long-term concern. Recognizing that the City's wastewater disposal is one source of salt loading, the Paso Robles has made the reduction of salt loading one of their water resource goals. Major means to reduce salt in the city wastewater include planned use of high-quality Lake Nacimiento supply, reduced use of home water softeners, strategic use of wells with lower salt concentrations, and implementation of an industrial waste discharge ordinance.

4.6.8.5.4 *County Service Area 16 (Shandon)*

Source: *2004 CSA 16 Water Master Plan, plus written updates provided by Jay Johnson, County of San Luis Obispo*.

County Service Area No. 16 (CSA 16) was formed in 1972 to furnish potable water to customers in the Shandon area. Narrative and data are based on the 2004 Water System Master Plan. CSA 16 provides water service to 284 residential customers, 11 public authorities, and one business. Shandon's urban reserve line encompasses areas outside of the existing service boundary, so the future size and composition of the customer base will likely change. Within the existing community of Shandon, build-out service is expected to reach up to 547 service connections. However, the Shandon Community Plan is being updated that could result in a total of 2,200 residential connections and over 50 commercial and public authority service connections. The projected population is approximately 8,125.

The current source of supply for the community of Shandon is groundwater from the Paso Robles Groundwater Basin. Two wells provide all the current needs of the community and the groundwater supply is deemed sufficient to meet water needs at build-out in the current service area. Additional wells and storage will be needed to meet peak demand requirements for build-out.

CSA 16 has no supplemental water source, but does have an allocation of 100 AFY from the State Water Project. Because of the high cost to develop this supply and the lack of need at the time, in 1995, the Board of Supervisors approved offering their 100 AFY allocation for sale to other entities in the County. Since that time, only 15 AF of the 100 AFY has been secured via a transfer option agreement. This agreement expired in 2009 without the transfer taken.

The water in Shandon meets all Federal and State drinking water requirements and overall can be considered very good quality water.

Table 4.49 San Miguel CSD, Camp Roberts, CSA 16, and Paso Robles Demand and Supply

	San Miguel CSD	Camp Roberts	Paso Robles	CSA 16 (Shandon)
Demand				
Existing Demand (AFY)	235	190	4,063[7]	147
Forecast Demand (AFY)	466-582[6]	190	8,422-9,772[6][7]	271-1,100[8]
Supply				
Paso Robles Groundwater Basin(AFY)[1]				
Paso Robles Formation and/or alluvium (AFY)	235	190	2,856[2]	147
Salinas River Underflow (AFY)	0	0	537/872[3]	0
Other Groundwater Supply Sources (AFY)	0	0	0	0
SWRCB Water Diversions (AFY)	0	0	0	0
State Water Project (AFY)	0	0	0	66[4]
Nacimiento Water Project (AFY)[5]	0	0	4,000	0
Total Supply (AFY)	**235**	**190**	**7,728**	**213**

Notes:

1. The perennial yield was estimated to be 97,700 AFY (includes 16,400 AFY from the Atascadero Groundwater Sub-basin). Previous studies estimated that the total groundwater pumping in the basin during 2006, including Monterey County demands, was 88,154 acre-feet, which is 90 percent of the basin perennial yield.
2. The deeper formations of the Paso Robles Groundwater Basin contributes approximately 2,856 AFY to the City of Paso Robles supply. The City plans to maintain this extraction rate in the future.
3. The City of Paso Robles is permitted to extract up to 8 cfs (3,590 gpm) with a maximum extraction of 4,600 AFY (January 1 to December 31). For the purposes of this analysis, it was assumed that half (4,063 AFY) of the existing demand of 8,126 AFY was extracted from the Salinas

Table 4.49 San Miguel CSD, Camp Roberts, CSA 16, and Paso Robles Demand and Supply

	San Miguel CSD	Camp Roberts	Paso Robles	CSA 16 (Shandon)

River Underflow via the Thunderbird Wellfied in WPA 13. The remaining permitted extraction of 537 AFY was pumped from wells within WPA 14. At build-out, it was assumed that Paso Robles would extract 3,728 AFY from the Salinas River Underflow in WPA 13 and the remaining 872 AFY would be extracted from Salinas River Underflow within WPA 14.

4. CSA 16 has an allocation of 100 AFY of State Water Project (but no drought buffer), but has not developed this supply due to high cost. State Water Project average allocation assumed 66 percent of contract water service amount, which equate to 66 AFY.
5. Nacimiento Water Project is scheduled to go online in 2010.
6. Twenty (20) percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand for San Miguel and 10% for Paso Robles.
7. Existing demand was 8,126 AFY, but half (4,063 AFY) was supplied by the Thunderbird Wellfied in WPA 13. Therefore, the net demand in WPA 14 is 4,063. Of this 4,063 AFY demand, 537 AFY was supplied by Salinas River Underflow and 2,856 AFY was supplied by the deeper Paso Robles Formation aquifer. The build-out forecast demand ranged between 12,150 and 13,500 AFY. This analysis assumed that 3,728 AFY would be supplied by the Thunderbird Wellfield in WPA 13. Therefore, the net forecast demand is 8,422 to 9,772 AFY.
8. Upper end of the range reflects demand projected in accordance with the draft Shandon Community Plan should it be approved by the Board of Supervisors in the future.

4.6.8.5.5 *Rural Users*

The existing rural demand for WPA 14 is approximately 3,590 AFY and future demand ranges from 5,570 to 6,230 AFY.

4.6.8.5.6 *Agricultural Users*

The existing annual applied water for WPA 14 is approximately 67,610 AFY. The existing crops in this area include commodities from all crop groups. The projected future annual applied water for WPA 14 ranges from approximately 60,740 to 86,820 AFY. The projected future agricultural could exceed existing annual applied water due to increases in acreage of citrus, deciduous, pasture, vegetables, and vineyards.

4.6.8.5.7 *Environmental*

The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8.5.8 *Salinas/Estrella WPA 14 Water Demand and Supply Summary*

Table 4.50 Salinas/Estrella WPA 14 Demand and Supply

	San Miguel CSD	Camp Roberts	Paso Robles	CSA 16 (Shandon)	Agriculture	Rural	Environmental (11)
Demand							
Existing Demand (AFY)	235	190	4,063(10)	147	67,610	3,590	
Forecast Demand (AFY)	466-582(9)	190	8,422-9,772(9)(10)	271-1,100(12)	60,740-86,820	5,570-6,230	
Supply							
Paso Robles Groundwater Basin (AFY)(1)							
Paso Robles Formation and/or alluvium (AFY)	235	190	2,856(2)	147	(3)	(3)	
Salinas River Underflow (AFY)	0	0	537/872(4)	0	738(5)	0	
Other Groundwater Supply Sources (AFY)	0	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	0	(6)	(6)	
State Water Project (AFY)	0	0	0	66(7)	0	0	
Nacimiento Water Project (AFY)(8)	0	0	4,000	0	0	0	
Total Supply (AFY)	**235**	**190**	**7,728**	**213**	**Uncertain**	**Uncertain**	
Environmental Water Demand							

Table 4.50 Salinas/Estrella WPA 14 Demand and Supply

	San Miguel CSD	Camp Roberts	Paso Robles	CSA 16 (Shandon)	Agriculture	Rural	Environmental (11)
Environmental Water Demand (AFY)(11)							Uncertain
Unimpaired Mean Annual Discharge(AFY)(11)							Uncertain

Notes:

1. The perennial yield was estimated to be 97,700 AFY (includes 16,400 AFY from the Atascadero Groundwater Sub-basin). Previous studies estimated that the total groundwater pumping in the basin during 2006, including Monterey County demands, was 88,154 acre-feet, which is 90 percent of the basin perennial yield.
2. The deeper formations of the Paso Robles Groundwater Basin contributes approximately 2,856 AFY to the City of Paso Robles supply. The City plans to maintain this extraction rate in the future.
3. It is assumed that the majority of water supply for agriculture and rural users comes from the Paso Robles Groundwater Basin.
4. The City of Paso Robles is permitted to extract up to 8 cfs (3,590 gpm) with a maximum extraction of 4,600 AFY (January 1 to December 31). For the purposes of this analysis, it was assumed that half (4,063 AFY) of the existing demand of 8,126 AFY was extracted from the Salinas River Underflow via the Thunderbird Wellfied in WPA 13. The remaining permitted extraction of 537 AFY was pumped from wells within WPA 14. At build-out, it was assumed that Paso Robles would extract 3,728 AFY from the Salinas River Underflow in WPA 13 and the remaining 872 AFY would be extracted from Salinas River Underflow within WPA 14.
5. SWRCB records indicate that 738 AFY could be diverted from the Salinas River (direct diversion or underflow). It is assumed that the entire amount is used for agriculture.
6. Diversions do not distinguish type of use. Potentially 4,884 AFY could be diverted for use to either agriculture or rural residential.
7. CSA 16 has an allocation of 100 AFY of State Water Project (but no drought buffer), but has not developed this supply due to high cost. State Water Project average allocation assumed 66 percent of contract water service amount, which equate to 66 AFY.
8. Nacimiento Water Project is scheduled to go online in 2010.
9. Twenty (20) percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand for San Miguel and 10% for Paso Robles.
10. Existing demand was 8,126 AFY, but half (4,063 AFY) was supplied by the Thunderbird Wellfied in WPA 13. Therefore, the net demand in WPA 14 is 4,063. Of this 4,063 AFY demand, 537 AFY was supplied by Salinas River Underflow and 2,856 AFY was supplied by the deeper Paso Robles Formation aquifer. The build-out forecast demand ranged between 12,150 and 13,500 AFY. This analysis assumed that 3,728 AFY would be supplied by the Thunderbird Wellfield in WPA 13. Therefore, the net forecast demand is 8,422 to 9,772 AFY.
11. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.
12. Upper end of the range reflects demand projected in accordance with the draft Shandon Community Plan should it be approved by the Board of Supervisors in the future.

4.6.8.6 Cholame WPA 15

The primary source of water supply for this WPA is the Cholame Valley Groundwater Basin, and to a limited extent, other groundwater supplies and State Board water diversions.

4.6.8.6.1 *Urban Users*

WPAs 8, 9, 10, 11, and 15 do not have urban demand because there are no large population centers in these WPAs.

4.6.8.6.2 *Rural Users*

The existing rural demand for WPA 15 is approximately 10 AFY and future demand ranges from 150 to 190 AFY.

4.6.8.6.3 *Agricultural Users*

The existing annual applied water for WPA 15 is approximately 80 AFY. The existing crops in this area are primarily citrus (olive) crops. The projected future annual applied water for WPA 15 ranges from approximately 60 to 80 AFY. The projected future agricultural demand is approximately equal to the existing agricultural demand in this planning area. Given the current land use, the projection for WPA 15 in particular could be refined significantly by taking ranching operations water use and conservation easement provisions into account.

4.6.8.6.4 *Environmental*

The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8.6.5 *Cholame WPA 15 Water Demand and Supply Summary*

Table 4.51 Cholame WPA 15 Demand and Supply

	Urban	Agriculture	Rural	Environmental[2]
Demand				
Existing Demand (AFY)	0	80	10	
Forecast Demand (AFY)	0	60-80	150-190	
Supply				
Cholame Valley Basin (AFY)[1]	0	80	10	
Other Groundwater Supply Sources (AFY)	0	Unlikely	Uncertain	
SWRCB Water Diversions (AFY)	0	41	0	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)				Uncertain
Unimpaired Mean Annual Discharge(AFY)				Uncertain
Water Supply Versus Demand Balance	**0**	**Uncertain[2]**	**Uncertain[2]**	**Uncertain**

Notes:
1. There is no information describing the basin yield.
2. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.6.8.7 Nacimiento WPA 16

The primary source of water supply for this WPA is Lake Nacimiento, and to a limited extent, other groundwater supplies and State Board water diversions.

4.6.8.7.1 *Oak Shores*

The Nacimiento Water Company (NWC) serves the community of Oak Shores, which is on the banks of Nacimiento Lake. The NWC currently serves a population of 275 residents with water drawn from the lake, which is then treated prior to distribution. Plans to develop an additional 345 lots as part of Oak Shores Estates are currently on hold. The water supply allocation for Oak Shores is part of the 1,750 AFY reserved for County residents in the Lake Nacimiento area. The existing and forecast demands are summarized in Table 4.53.

4.6.8.7.2 *Heritage Ranch Community Services District*

Source: *2008 Heritage Ranch Water Master Plan with updates*

The Heritage Ranch Community Services District (Heritage Ranch CSD) was formed in 1990 to oversee water and sewer services for the Heritage Ranch community. It supplies its customers with domestic water service. Heritage Ranch is an unincorporated community located on the east side of Lake Nacimiento, approximately 15 miles northwest of the City of Paso Robles. Land use at Heritage Ranch consists mostly of residential, recreational, and open space areas with some commercial and public facility areas. A community that was originally started as a remote vacation destination with the vast majority of part-time residents has now become a bedroom community to neighboring cities with full-time residents.

As of September 2010, the Heritage Ranch CSD serves approximately 1,778 water customers. Based on a density of 2.0 persons per household, this equates to an existing population of approximately 3,556 persons. The Adopted Specific Plan for the Heritage Ranch CSD, prepared in 1972 and revised in 1980, limited the total number of developable units to 4,000. In 2004, the maximum number of developable units was revised a second time to its current maximum value of 2,900 units. Based on the average household size of 2.0 persons per household, it is anticipated that the Heritage Ranch CSD's total build-out population will reach 5,800 persons. The existing and forecast demands are summarized in Table 4.52.

The Heritage Ranch CSD only has one water supply source, the Gallery Well, which is fed via three horizontal wells located in the Nacimiento River bed just downstream of the Nacimiento Dam. Typically, the Nacimiento River is fed year-round by the release of water through the upper and/or lower outlet works in the dam at Lake Nacimiento. Monterey County Water Resources Agency monitors and controls the release of the water until the water level of the lake drops below 687 feet, at which time San Luis Obispo County may obtain control over the lake releases. The water is primarily released to sustain habitat in the river, provide water to farmers in the Salinas Valley, and halt sea water intrusion into the Salinas Valley, in addition to providing a water supply source to the Heritage Ranch CSD. If no water is released from the lake, which has rarely occurred in the past 50 years, the Heritage Ranch CSD will not

have a water supply. Even though the water level of Lake Nacimiento has never dropped below the dam outlet, it has come close. The last time this occurred was in October of 1989, when the lake level dropped to within two feet above the lower outlet works.

The 1,100 AFY of allocation of Nacimiento Reservoir water designated for use in Heritage Ranch's service area is part of the 1,750 AFY reserved for County residents in the Lake Nacimiento area. It is sufficient to provide water for build-out demand, but the configuration of the delivery system leaves the Heritage Ranch CSD vulnerable to a termination in water supply in an extreme drought. Alternative sources are under consideration, including taking water directly from the lake and connecting to the Nacimiento Pipeline. A possible tie-in with Camp Roberts was explored, but is now considered as not being a feasible option due to the reluctance of Camp Roberts to consider any emergency water supply options.

Water demands over the last 3 years have decreased due to an increase in water rates and implementation of water conservation programs such as for toilet retrofits and turf conversion. While the Heritage Ranch CSD's water supply to its customers has historically met all primary water quality standards, it currently exceeds the limits for Disinfection Byproducts (DBP). The treatment plant has been ineffective in removing sufficient natural organic matter to prevent the formation of DBP. The District Board hired a water treatment process engineering consultant and received a report with recommendations on new treatment equipment to better control DBP in September 2010.

4.6.8.7.3 *Rural Users*

The existing rural demand for WPA 16 is approximately 280 AFY and future demand ranges from 730 to 880 AFY.

4.6.8.7.4 *Agricultural Users*

The existing annual applied water for WPA 16 is approximately 3,860 AFY. The existing crops in this area are citrus, deciduous, pasture, and vineyards. The projected future annual applied water for WPA 16 ranges from approximately 4,740 to 7,120 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, deciduous, and vineyards.

4.6.8.7.5 *Environmental*

The unimpaired mean annual discharge for WPA 16 inclusive of the water management areas is approximately 251,124 AFY and environmental water demand of 108,390 AFY. WPA 16 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The major river in these sub-watersheds is the Nacimiento River.

4.6.8.7.6 *Nacimiento WPA 16 Water Demand and Supply Summary*

Table 4.52 Nacimiento WPA 16 Demand and Supply

	Nacimiento Water Company[1]	Heritage Ranch CSD	Agriculture	Rural	Environmental
Demand					
Existing Demand (AFY)	[2]	619	3,860	280	
Forecast Demand (AFY)	[2]	935-1,039	4,740-7,120	730-880	
Supply					
Lake Nacimiento (AFY)	600[3]	1,100[3]	0	0	
Other Groundwater Supply Sources (AFY)	0	0	Uncertain[4]	Uncertain[4]	
SWRCB Water Diversions (AFY)	0	0	[5]	[5]	
Total Supply (AFY)	**600**	**1,100**	**Uncertain**	**Uncertain**	
Environmental Water Demand					
Environmental Water Demand (AFY)[6][8][9]					108,390
Unimpaired Mean Annual Discharge (AFY)[7][8][9]					251,120

Notes:
1. Nacimiento Water Company serves the community of Oak Shores.
2. No estimate available for the current or forecast demand.
3. The 600 AFY water supply allocation for Oak Shores is part of the 1,750 AFY reserved for San Luis Obispo County residents in the Lake Nacimiento area. Heritage Ranch CSD's allocation of Lake Nacimiento is 1,100 AFY.
4. Groundwater supply sources around Lake Nacimiento are the typical sources of supply for wells that serve agricultural and rural users. There

Table 4.52 Nacimiento WPA 16 Demand and Supply

	Nacimiento Water Company[1]	Heritage Ranch CSD	Agriculture	Rural	Environmental

is no information describing the yield for these groundwater supplies.

5. Diversions do not distinguish type of use. Potentially 1,048 AFY could be diverted for use to either agriculture or rural residential.
6. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
7. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
8. Estimates for environmental water demand include the watershed area for the Nacimiento River Index-station (162 square miles); though the Index-station is within WPA 16, most of the watershed area is not.
9. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.7 ANALYSIS CRITERIA

The criteria below were used to determine whether a supply shortfall exists and to evaluate how well the proposed water management strategies address the shortfall.

4.7.1 Criteria for Declaring a Water Resource Shortfall

1. Do the existing water demands equal or exceed the dependable supply? (consistent with current criteria for RMS water supply)
2. Do the forecast build-out demands equal or exceed the available supply?

4.7.2 Criteria for Evaluating and Ranking Water Resource Management Strategies (management, projects, programs, policies)

1. The strategies should result in a sustainable and reliable water supply.
2. The strategies should optimize management of existing supply resources and infrastructure.
3. The strategies should reduce the dependency on imported supplies and promote local control.
4. The strategies should be consistent with and support existing County goals, policies, and documents, such as: the “Strategic Growth” principles adopted by the Board of Supervisors, the Conservation and Open Space Element (COSE), Integrated Regional Water Management Plan (IRWMP), Agriculture Element, and Climate Action Plan.
5. When comparing different strategies, the preferred strategy should have the least environmental impact with or without mitigation when compared to other options.
6. A strategy’s benefits and costs should be verifiable

The water management strategies were assigned scores from 0 to 5 for each criterion, depending on how well the strategy met the goals of the criteria. For example, if a strategy uses existing supply/infrastructure to a greater extent, and/or modernizes antiquated/inefficient supplies, then it received the maximum score of 5 for criteria number one. If on the other hand, a water management strategy makes minimal use of existing supplies and requires significant new infrastructure, then it received a 1 for the first criterion. The strategy received a 0 if it was not an existing supply or resource.

The process of assigning points to the water management strategies based on how well they met the goals of the criteria was conducted over two WRAC workshops. The outcome of these WRAC workshops resulted in the following ranking of the proposed strategies (from those that best addressed criteria to those that did not):

1. Conservation

2. Optimize use of the Nacimiento Water Project
3. Land Use Management
4. Recycled Water
5. Optimize use of State Water
6. Groundwater Banking/Recharge
7. Groundwater Supply Sources
8. Salinas Reservoir Expansion/Exchanges
9. Desalination
10. Lopez Lake Expansion/Exchanges
11. New Off-Stream Storage
12. Nipomo supplemental water project optimization
13. Precipitation Enhancement
14. New On-Stream Storage

4.7.3 Water Management Strategies

Presented below are conceptual water management strategies that were considered in this study to provide long-term water reliability and supply for the County. A brief description of each strategy is provided below, followed up with a more detailed discussion later in this section of the report.

4.7.3.1 Conservation Programs

Consistent with State Water Code and County Conservation Element Policies, a potential 20 percent reduction in demand could be achieved by some cities/districts and other water users in the county. Some of the potential challenges include:

- Some coastal communities and cities that have aggressively implemented conservation programs expect limited or no further reduction in demand due to conservation
- Tiered rate structures will likely be necessary to achieve conservation goals, which might meet resistance from some cities and agencies
- Cities and agencies need not to only pass policies that promote conservation, but also provide users the “tools” to conserve, such as free home water surveys and landscape audits, sustainable landscape workshops, and education campaigns
- Insufficient voluntary conservation by some rural and agricultural users and resistance to County/District implementation of mandatory conservation programs

This management strategy is consistent with and supports existing County goals, policies, and documents, such as: the “Strategic Growth” principles adopted by the Board of Supervisors, the Conservation and Open Space Element (COSE), Integrated Regional Water Management Plan (IRWMP), Agriculture Element, and Climate Action Plan. Local cities/agencies would implement conservation programs. The County would promote rural and agricultural conservation.

4.7.3.2 Optimize Use of the Nacimiento Water Project (NWP)

Six thousand, ninety-five (6,095) AFY of contractual supply and infrastructure capacity (northern reaches) is available to existing participants or other entities for direct delivery and treatment, groundwater banking/recharge, or other reliability programs. Some of the potential challenges include:

- Participation requests of other entities depend on whether or not the entity was part of the EIR. If entity was part of the EIR, then the request can proceed to the District Board of Supervisors for consideration. If not, then the entity must receive support of existing participants that represent at least 55 percent of existing subscription amounts before consideration by the District Board.
- Infrastructure capacity reduces in the southern reaches of the pipeline

This strategy optimizes management of an existing supply resource and infrastructure by using the NWP supply to its fullest before building new supplies. Additional allocations would be purchased by project participants or other entities.

4.7.3.3 Land Use Management

Integrating land use and water management consists of planning for the housing and economic development needs of a growing population while providing for the efficient use of water, water quality, energy, and other resources. The way in which we use land- the pattern and type of land use and transportation and the level of intensity- have a direct relationship to water supply. This strategy promotes reducing municipal and industrial water demand through water use efficiency, recycling, capturing and reusing storm water, recharging and protecting groundwater, protecting ground and surface water from failed septic systems, and encouraging growth in areas with sufficient reliable water supplies. Some of the potential challenges include:

- Resistance to mandatory actions and property rights issues.
- Lack of voluntary action to implement low impact development (LID) strategies

This strategy is consistent with and supports existing County goals, policies, and documents, such as: the “Strategic Growth” principles adopted by the Board of Supervisors, the COSE, IRWMP, Agriculture Element, and Climate Action Plan.

4.7.3.4 Recycled Water

Recycled water is a supply option available to all cities and agencies with a wastewater treatment plant. Some of the potential challenges include:

- Upgrade to existing wastewater treatment plant (WWTP) required. Level of treatment depends on the intended use.
- Sufficient users are needed to justify a recycled water project.
- Public perception to using recycled water for irrigation.

This strategy reduces the dependency on imported supplies and promotes local control. Local cities and agencies would implement recycled water projects.

4.7.3.5 Optimize Use of State Water Project (SWP)

Fifteen thousand, two hundred seventy-three (15,273) AFY of unsubscribed allocation could be used by SWP contractors, entities seeking to become contractors, and/or for groundwater banking/recharge or other reliability programs. Some of the potential challenges include:

- Hydraulic and treatment plant capacity constraints put limits on how this excess can be used
- Study to evaluate available capacity in SWP pipeline is on-going
- Construction of a raw water pipeline to transmit SWP water to the Paso Robles Groundwater Basin from Polonio Pass water treatment plant for groundwater recharge could be cost prohibitive
- Future reliability of SWP allocations (MWR assuming 66 percent as the average allocation)

This strategy optimizes management of an existing supply resource and infrastructure by using the SWP supply to its fullest before building new supplies. Negotiations between the State Department of Water Resources, District, Santa Barbara County Flood Control and Water Conservation District, the Central Coast Water Authority (CCWA) and existing participants regarding available capacity in the SWP Coastal Branch pipeline and contract revisions are required.

4.7.3.6 Groundwater Banking/Recharge

Groundwater management is the planned and coordinated management of a groundwater basin with a goal of long-term sustainability of the resource. Managed recharge occurs when water is placed into constructed recharge or spreading ponds or basins, or when water is injected into the subsurface by wells. Recharge basins are frequently used to recharge unconfined aquifers. Water is spread over the surface of a basin or pond in order to increase the quantity of water infiltrating into the ground and then percolating to the water

table. This strategy optimizes the use of an existing supply and increases reliability. Recharge and banking could also be implemented by delivering surface water to a groundwater user in lieu of use of that groundwater. Some of the potential challenges include:

- Effects of land use changes on cost and siting of new or enlarged recharge facilities
- Water quality compatibility and regulations
- Infrastructure and operational costs
- Effect of operations on nearby overlying groundwater users
- Water accounting
- CEQA review and environmental permitting process

4.7.3.7 Groundwater Supply Sources

This water supply option is available to all entities that overlie or are near a groundwater basin. Examples include a community in need of a water supply coordinating with a landowner or other agency that overlies a basin with sufficient yield to transfer water; treating groundwater from a basin that is not typically used due to water quality; forming an organization to supply water to a group of homes or agricultural operations; an existing organization extracting more groundwater to meet demands; or individually extracting water from a groundwater basin the property owner overlies. Some of the potential challenges include:

- Ability to develop agreements for land and easements to locate utilities.
- Legality of/regulations regarding pumping groundwater from one basin for use in another basin needs to be investigated.
- For groundwater basins that are not typically used due to water quality problems, adding water treatment can be a short or long-term solution to address needs.
- Conflicts with overlying users and County policies
- Future use and safe yield

This strategy reduces the dependency on imported supplies and promotes local control.

4.7.3.8 Salinas Reservoir Expansion/Exchanges

Santa Margarita Lake/Salinas Reservoir could potentially increase its safe yield by 1,650 AFY. Some of the potential challenges include:

- Transfer of ownership from the Army Corps of Engineers to the District is under consideration.
- Major structural improvements to the dam would be necessary to install the spillway gates.

- Water rights issues and the ability to renew the expansion right.

This strategy optimizes management of existing supply resource and infrastructure by using Santa Margarita Lake/Salinas Reservoir supply to its fullest before building new supplies. At this time, it is uncertain which agency would lead the installation of spillway gates.

4.7.3.9 Desalination

Desalination is used to treat seawater as well as brackish water (water with a salinity that exceeds normally acceptable standards for municipal, domestic, and irrigation uses, but less than that of seawater). Desalination can be a reliable water supply alternative and a part of the solution for meeting current and future water needs. Some of the potential challenges include:

- Permitting and environmental issues could be complex, and implementation could take years.
- Brine disposal and energy use

This strategy reduces the dependency on imported supplies and promotes local control. Local cities and agencies would implement desalination projects.

4.7.3.10 Lopez Lake Expansion/Exchanges

There is a potential to increase the safe yield for existing project participants. Some of the potential challenges include:

- Arroyo Grande Habitat Conservation Plan may require additional downstream releases and affect available supply.
- Current study to evaluate the feasibility of modifying the dam to increase reservoir capacity ongoing.
- Increase in safe yield depends on the results of the feasibility study and the habitat conservation plan.

This strategy optimizes management of existing supply resources and infrastructure by using Lopez Lake supply to its fullest before building new supplies. The District would likely lead implementation of dam modifications to increase yield for existing participants.

4.7.3.11 New Off-stream Storage

This water supply option would capture surface water runoff for use during high demand periods. There a numerous challenges including, but not limited to:

- Substantial funding required
- Significant environmental and regulatory issues
- Lack of suitable sites

This strategy reduces the dependency on imported supplies and promotes local control.

4.7.3.12 Nipomo Supplemental Water Project Optimization

The Nipomo supplemental water project will consist of waterlines, a pump station and reservoir, flow meter facilities and an interconnect between the City of Santa Maria and Nipomo Community Services District water systems that is designed to deliver 3,000 acre-feet per year (AFY). The project will utilize regional water supplies to slow the depletion of groundwater, reduce the potential for sea water intrusion, be consistent with the settlement agreement and the judgment related to the groundwater adjudication, and increase the reliability of water supply by providing a diversity of water sources. The portion of the waterline that crosses under the Santa Maria River has a capacity of 6,200 AFY, providing a potential for increased deliveries in the future to further benefit the groundwater basin in the Nipomo area.

Some of the potential challenges with utilizing the additional capacity include:

- Negotiations between Nipomo area participants, the City of Santa Maria, Central Coast Water Authority, the District and DWR to determine a source of supply, which would likely include a portion of the District's excess State Water.
- Cost of additional infrastructure and the cost of the water.

This strategy optimizes management of existing supply resources and infrastructure by using the intertie to the fullest extent before building new supplies, but would likely use additional State Water.

4.7.3.13 Precipitation Enhancement

This supply option, commonly called "cloud seeding", artificially stimulates clouds to produce more rainfall than they would naturally. Some of the potential challenges:

- Proof of actual results from such a program
- Fear of environmental impacts associated with use of chemicals

This management strategy reduces the dependency on imported supplies and promotes local control.

4.7.3.14 New On-stream Storage

This water supply option would require the construction of a dam across an active river or stream to capture water for use during high demand periods. There a numerous challenges including, but not limited to:

- Substantial funding required
- Significant environmental and regulatory issues
- Lack of suitable sites

This strategy reduces the dependency on imported supplies and promotes local control.

4.7.4 Conservation Programs

4.7.4.1 Agriculture Conservation

The strategy to achieve agricultural water savings and benefits primarily includes improvements in on-farm technology and management. The strategy may be dependent on an array of factors such as labor, demographics, changes in government policies, funding availability, environmental stresses, desire to increase yield, education, energy costs, water supply development, water delivery systems, legal issues, economics, and land use issues. Improvements in agricultural water use efficiency primarily occur from three activities:

1. Hardware. Improving on-farm irrigation systems and water supplier delivery systems.
2. Water Management. Improving management of on-farm irrigation.
3. Crop Water Consumption. Reducing non-beneficial evapotranspiration.

Hardware Upgrades. Due to water delivery systems limitations, growers are often unable to apply the optimal amount of irrigation water. Water delivery system improvements such as integrated supervisory control and data acquisition systems (SCADA), and other hardware and operational upgrades, can provide flexibility to deliver water at the time, quantity, and duration required by the grower. At the on-farm level, many old and most new orchards and vineyards, as well as some annual fruits and vegetables, are irrigated using pressurized irrigation systems. Almost all trees and vines established since 1990 are irrigated using micro-irrigation. Between 1990 and 2000, the crop area under micro-irrigation in California grew from 0.8 million to 1.9 million acres, a 138 percent increase.

Many growers use advanced systems for irrigation, fertilizer application, and pest management. Advanced technologies include geographic information system (GIS), global positioning system (GPS), and satellite crop and soil moisture sensing systems. These technologies allow growers to improve overall farm management.

Water Management. On-farm delivery systems must be managed to take advantage of new technologies, science and hardware. Personal computers connected to real time communication networks and local area networks allow transmission of data to a centralized location. These features enable irrigation staff to monitor and manage water flow and to log data. With such systems, the irrigation staff spends less time manually monitoring and controlling individual sites, allowing them to plan and coordinate system operation, and potentially reduce costs. Such systems improve communications and provide for flexible irrigation, distribution, measurement and accounting.

Some of today's growers use satellite weather information and forecasting systems to schedule irrigation. Many growers employ evapotranspiration and soil moisture data for irrigation. Users generate more than 70,000 inquires per year to the California Irrigation Management Information System (CIMIS), DWR's weather station program provides

evapotranspiration (ET) data. Universities, water suppliers, and consultants also make this information available to a much wider audience via newspapers, Web sites, and other media.

Reducing Evapotranspiration (ET). ET is the amount of water that evaporates from the soil and transpires from the plant. Growers can reduce ET by reducing unproductive evaporation from the soil surface, eliminating weed ET, and shifting crops to plants that need less water, or reducing transpiration through deficit irrigation. In addition, some growers deficit irrigate their crops during water short periods and for agronomic purposes. Management practices such as mulching, use of cover crops, no till and minimum tillage, dust mulching associated with dry farming reduce unnecessary evaporation from the soil surfaces. Some of these management/ cultural practices have energy conservation components as well.

4.7.4.1.1 *Potential Benefits of Agricultural Water Use Efficiency*

Growers may reduce pumping costs and preserve groundwater resources.

4.7.4.1.2 *Potential Cost of Agricultural Water Use Efficiency*

The CALFED (The CALFED Bay-Delta Program is a collaboration among 25 State and Federal agencies that came together with a mission to improve California's water supply and the ecological health of the San Francisco Bay/Sacramento-San Joaquin River Delta) Programmatic Record of Decision (ROD) estimates of 2000 estimated that efficiency improvements could result in statewide water savings ranging from 120,000 to 563,000 AFY by 2030 at a cost ranging from $35 to $900 per acre feet (CALFED 2000a). The analysis was based on improving on-farm efficiency up to 85 percent. It was assumed that the achieved 85 percent efficiency would be maintained afterward. Technical management and hardware limitations to achieve high performance levels for irrigation systems restrict irrigation distribution uniformities and on-farm efficiencies up to 85 percent, beyond which a sustainable and healthy soil environment cannot be maintained. It is possible that higher than 85 percent irrigation efficiencies could result in soil salinity, soil degradation, and loss of productivity.

4.7.4.1.3 *Major Issues Facing Agricultural Water Use Efficiency*

Funding and Implementation. Implementation of agricultural water use efficiency depends on many interrelated factors. Farmers strive to optimize agricultural profits per unit land and water without compromising agricultural economic viability, water quality, or the environment. Success depends not only on availability of funds but also on technical feasibility and cost-effectiveness, availability of technical assistance, and ability and willingness of growers. Other factors such as soils and topography, micro-climate, markets, etc., play important roles as well. Implementation of efficiency measures requires consideration for crops grown, groundwater and/or surface water availability, and water quality, flow and timing, energy efficiency, and other benefits to the growers to provide

regional benefits. Comprehensive implementation of efficiency measures must, to the extent of possible, include multi-purpose and multi-benefit projects.

Reducing ET requires precise application of water. Stressing crops through regulated deficit irrigation (RDI) is one approach that requires careful scheduling and application of water and may have additional costs and adverse impacts on crop quality or soil salinity.

Many growers are concerned about existing and potential water use efficiency legislation and believe that implementing efficiency measures could affect their water rights. They believe that conserved water may be used by others, causing loss of rights to the conserved water. This belief may impede implementation of water use efficiency strategies. It is believed that the water rights of agencies implementing efficiency measures will be protected, however, there are claims that the State Board has not recognized and protected conserved water.

Measurement and Evaluation. Lack of data is an obstacle for assessing irrigation efficiencies and planning for further improvement. The County lacks comprehensive County-wide data on cropped area under various methods of irrigation, applied water, crop water use, irrigation efficiency, water savings, and the cost of irrigation improvements per unit of saved water. Collection, management and dissemination of data to growers, and water resource planners are necessary for promoting increased water use efficiency.

Dry-Year Considerations. In dry years, growers that rely on state water deliveries are compelled to reduce irrigated acreage to cope with the lack of water and implement extraordinary water use efficiency or even land fallowing. While agricultural water suppliers deal in a variety of ways with water shortages and droughts, there is a need for an agricultural drought book.

4.7.4.1.4 *Recommendations to Achieve More Agricultural Water Use Efficiency*

1. Coordinate with appropriate local entities to disseminate information on conservation best management practices and identify and establish priorities for grant programs and other incentives. Priority funding may be for technical, planning and financial assistance to improve water use efficiency including implementation, monitoring and reporting of certain programs.
2. Coordinate with appropriate local entities to improve online data collection and dissemination networks to provide growers with immediate meteorological and hydrological information on climate, soil conditions, and crop water needs.
3. Coordinate with the appropriate local entities to develop methods to quantify water savings and costs associated with hardware upgrades, water management, and ET reduction projects identified in this strategy.

4.7.4.2 Urban and Rural Water Use Efficiency

Urban and rural water use efficiency results in benefits to water supply and water quality through technological and behavioral improvements that decrease indoor and outdoor residential, commercial, industrial, and institutional water use. Water use efficiency has multiple benefits. Excessive urban and rural water use result in increased runoff, groundwater overdraft, groundwater contamination, excessive flows to wastewater treatment plants, and increased green waste in the landfills. The volume and timing of surface water diversions to meet excessive use of water can produce environmental impacts. The impacts have substantial economic and financial consequences for water suppliers and consumers.

The recent challenges to California's water supply include:

4. Environmental Degradation
5. Legal and Regulatory Actions
6. Climate Change
7. Drought
8. Water Quality

In response to these challenges, California's government has responded in different ways over the past decade and has made substantial progress in developing mechanisms for further water conservation by 2020 that affect County water users. The major actions taken are the Governor's 2009 plan for 20 percent water use reduction target by 2020 which led to major water conservation legislation in 2009. Also of significance is the updating of the best management plans (BMPs) and the development of and requirements specified in the updated Model Water Efficient Landscape Ordinance, which is expected to result in significant water conservation in landscape irrigation.

The draft 20X2020 Water Conservation Plan recommendations include:

1. Establish a foundation for a statewide conservation strategy
2. Reduce landscape irrigation demand
3. Reduce water waste
4. Reinforce efficiency codes and related BMPs
5. Provide financial incentives
6. Implement statewide conservation public information and outreach campaigns
7. Provide new or exercise exhibiting enforcement mechanisms to facilitate water conservation
8. Investigate potential flexible implantation measures

9. Increase the use of recycled water and non-traditional sources of water

4.7.4.2.1 *Potential Benefits of Urban and Rural Water Use Efficiency*

Drought Preparedness. The primary benefit of improving water use efficiency is the lowering of demand and the ability to cost-effectively stretch existing water supplies. Once viewed and invoked primarily as a temporary source of water supply in response to drought or emergency water shortage situations, water use efficiency and conservation approaches have become viable long-term "supply options", saving considerable capital and operating costs for utilities and consumers, avoiding environmental degradation, and creating multiple benefits. Reduced water demand will free up water in normal and wet years. Saved water can be carried over to another time if a supplier has surface or groundwater bank and returns it for use during drought years.

Sustainability. Water use efficiency is a foundational action for water use sustainability. In order to ensure that water uses are sustainable, water management at all levels-State, federal, regional, and local- must be based on three foundational actions: use water efficiently, protect water quality, and support environmental stewardship.

Environmental Benefits. Conservation of applied water may result in increased stream flows and water quality benefits. Conservation has the added benefit of increasing the amount of developed water available for human uses at no added cost to other users or the environment. The timing of such additional flows is often critical to maintaining endangered habitats. Water use efficiency can also reduce peak demand, curb runoff from landscape irrigation, and reduce green waste caused by inefficient watering of landscape.

Economic and Financial Benefits. One way to assess the benefits of a conservation measure is to compare the cost of producing an acre-foot of water supply savings implemented under the measure to the cost of acquiring and using one more acre-foot of supply. The avoided costs of developing a new supply, including the cost of distribution systems, water supply treatment facilities, and wastewater treatment facilities are benefits at the water agency level. These avoided costs include energy costs, which can be substantial component of water development, delivery, treatment, and use cost.

4.7.4.2.2 *Potential Costs of Urban and Rural Water Use Efficiency*

According to the CALFED report, costs can range from $223 per acre-foot to $522 per acre foot (CALFED 2006). Conservation's role in water management depends on a variety of regional and local considerations.

4.7.4.2.3 *Major Issues Facing Urban and Rural Water Use Efficiency*

Funding. Even in less challenging times it has been difficult to secure funding on the scale required to reap the full water supply and the economic and environmental benefits of water use efficiency. Also, as water use efficiency increases, revenue through rates decreases.

Increases in rates could be needed to offset the reduction in water sales and to fund various conservation programs.

Program Implementation. There are a number of challenges faced by agencies when implementing water conservation programs. A study sponsored by the California Urban Water Agencies (CUWA) identified a number of these implementation challenges for urban water conservation programs. The CUWA-sponsored study recommends collaborative action by agencies, further research, and continued State or federal support to address the implementation challenges. The CUWA study concludes that the program should be as easy as possible for customers; its design should be simple; it should provide customers with guidance on water efficient fixtures; it should be coordinated with other agencies regarding permitting or potential funding; and it should emphasize a high level of customer service.

Implementation of urban and rural water conservation measures requires local and state investment in not only changing the traditional water use fixtures and technologies to more water and advanced technologies, but changing water use behavior by customers. These actions require substantial investments, but sufficient funding has not been available and the recent State budget deficits and delays in grant program implementation. Changing water use habits requires public education, outreach, incentives and disincentives.

Data Collection. Easily retrievable, standardized, and comprehensive baseline data can be challenging to implement and maintain. Documentation and evaluation of the achievements attributed to water use facility projects and programs- vital elements of successful; water use efficiency efforts- need to be improved. Tracking water use in order to document savings is necessary to gain an accurate understanding of the full cost, value, impact, and direction of urban and rural water use efficiency strategies. The measurement of water use and providing it to the water user are essential to efficient water management. The quantification of benefits for many projects lacks the necessary level of scientific rigor.

At the State level, DWR has organized a statewide network of people to improve California's analytical capabilities in support of water management decisions and investments. Improving these analytical capabilities will require significant participation by local, state, and federal agencies, organizations and governments. DWR will collaborate with interested stakeholder to improve analytical tools and share data through a Statewide Water Analysis Network (SWAN). Due to lack of data integration among various planning efforts, in cooperation with the SWAN, DWR agreed to begin the effort improving information exchange. DWR has also developed the Digital Online Submittal Tool (DOST), Water Plan Information Exchange (WaterPIE), and Integrated Water Resources Information System (IRWIS). All of these databases will serve as important data collection and dissemination tools for water resources agencies throughout the State.

At a regional level, the County collects information for the Resource Management System.

Landscape uses significant amount of water. Without a water meter or a landscape dedicated water meter, it is difficult to accurately assess landscape water use and implement appropriate programs to prevent water waste. AB 1881 (2006) requires that retail water suppliers require a dedicated water meter for landscapes with area greater than 5000 square feet for all but single family residential new connections. This requirement will allow monitoring and collection of water use data for local agencies' implementation and enforcement of the agency's landscape ordinance.

4.7.4.2.4 *Recommendations to Achieve Urban and Rural Water Use Efficiency*

1. Agencies should continue to support the California Urban Water Conservation Council and participation of other stakeholders, to improve upon the best management practices reporting and standardize utility billing and reporting systems by customer type and units of measure and identify industrial water use customers by North American Industry Classification System (NAICS).
2. Continue with public outreach efforts by being a part of such agencies as Partners in Water Conservation (PIWC), a County group that takes part in activities such as distributing brochures and hosting workshops to promote smarter landscaping to conserve water.

4.7.4.3 Economic Incentives

Economic incentives include financial assistance, water pricing, and water market policies intended to influence water management. Economic incentives can influence the amount of use, time of use, wastewater volume, and source supply.

Examples of economic incentives include low interest loans, grants, and water rates and rate structures. Free services, rebates, and the use of tax revenues to partially fund water services also have a direct effect on the price paid by water users. Government financial assistance can provide incentives for integrated resource plans by regional and local agencies. Also, government financial assistance can help water suppliers make incentives available to their water users for a specific purpose. Assistance programs can also help align the economic and financial drivers (e.g. marginal costs) affecting local, regional, and statewide water management decisions to minimize working at cross-purposes and maximize the benefits of working cooperatively with consistent goals and objectives. As opposed to incentives, promote economic disincentive that can be used to discourage undesirable water use behavior.

Marginal cost pricing is one strategy to help promote more efficient water use. With marginal cost pricing, instead of being based on average unit costs, the volumetric rates to all customers would be based on the unit cost to the water purveyor of the last, and probably most expensive, source of supply. In a much milder form, marginal cost pricing for "new" customers (e.g. residents of a new subdivision) might reflect the average cost after factoring in the cost of the additional water supply needed for those customers. This price would be higher than that for existing customers.

DWR and the State Water Resource Control Board (State Board), and the California Department of Public Health (CDHP) have run multimillion dollar bond-funded programs which have provided grant and low interest rate loan money to many local agencies for integrated regional management, water conservation, water recycling, distribution system rehabilitation, groundwater storage, water quality improvement, conjunctive use projects, and drinking water treatment. These programs are intended to encourage local agencies to adopt water management practices which have a statewide as well as local benefit.

4.7.4.3.1 *Potential Benefits of Economic Incentives*

A major purpose of economic incentives is to promote water management practices that meet federal, State, regional, and local policy goals. Incentives may produce environmental or social benefits, or avoid or delay construction of new water supply projects by promoting water use efficiency. When water costs increase, for example, customers have a choice to either pay the higher water bill or find ways to use less water, such as using a broom and a blower to clean sidewalks instead of a hose. Residential customers might install smart irrigation controllers or change to drought resistant landscaping. Industrial users may adopt process technologies that use less water or move to on-site recycling. Agricultural users may shift crop types, change their irrigation technology or reduce acreage they irrigate.

It is difficult to quantify benefits provided by economic incentives since the incentives influence decisions on other management strategies that produce their own benefits. Economic incentives can be used to influence development of water supply augmentation or demand reduction programs that promote regional self sufficiency. For example, grant funds from a State agency can help promote recycling by reducing its cost to local suppliers. Similarly, a wholesale water agency might make financial assistance available to retail water purveyors to encourage implementation of projects or programs that would benefit the region. Financial assistance can also be used to achieve beneficial changes in water system storage, conveyance, and treatment operations. The willingness of a water agency to participate in water marketing can also influenced by economic incentives.

4.7.4.3.2 *Potential Costs of Economic Incentives*

One financial cost of an incentive program to a water purveyor or government agency is the cost of its creation and administration, including the costs of arranging bond funding or low interest rate financing. Grant programs include the cost to the taxpayers of obtaining and repaying grant funds. Other costs would be associated with the adoption of water management strategies or water use behaviors- including forgoing some after use- that may result. The costs of the economic incentives will depend on how the incentives are integrated with other management strategies. As with other management strategies, economic incentives must be specific to the circumstances and water management goals of each individual water supplier.

Another type of cost can arise from the possibility that an incentive will result in actions not aligned with policy goals or that incentives will operate at cross purposes (i.e. have

unintended consequences). To the extent that resources are misallocated, a loss in economic, social and/ or environmental well-being will be incurred compared with fewer losses, if any, from a better allocation of resources.

4.7.4.3.3 *Major Issues Facing Additional Economic Incentives*

Selecting Appropriate Water Rates. A major consideration is determining what rates to charge customers while ensuring that costs of providing the water (including conveyance, treatment, and distribution) and treating and disposing of the wastewater are recovered. Also, managing water rate changes during water shortages can be challenging since incremental costs of supply can both increase dramatically and change rapidly, making it more difficult to recover costs.

Incidence of Costs of Incentives. Economic incentives can affect social equity when those incurring the costs of providing incentives through higher taxes or fees do not receive a fair share of the benefits that the incentives are expected to generate. As an example, increasing the costs for agricultural water supplies increase the efficiency of on-farm water use, but can also induce changes in crop patterns that result in lower farm employment. Communities dependent on farm production may by disproportionately affected. In the urban sector, if water rate changes reduce the use of ornamental landscaping, jobs that depend on establishing and maintaining landscaping could be lost.

Incentives for water transfers can result in more water moving out of agricultural production and into other uses on a temporary or permanent basis. Communities supplying inputs to farm production through farm labor, farm equipment sales and repair, crop harvesting, hauling, and storage services; and banking, legal, and farm management services may be adversely affected. This is a bigger issue in communities more heavily dependent on supplying these inputs.

Environmental Justice. Pricing policies that are designed to promote efficiency may affect the ability of disadvantaged populations to purchase sufficient water to maintain a minimal lifestyle. Some type of lifeline rate may be desirable in these cases. Also, obligations placed on the general fund through bond measures adopted to provide financial incentives creates repayment burdens that jeopardize funding capacity available for social programs that benefit the disadvantageous.

4.7.4.3.4 *Recommendations to Help Promote Economic Incentives.*

1. Institute water rates that support better water management based on the unique conditions in each water service area.
    a. Use volumetric pricing wherever practicable and economically efficient
    b. Use tiered pricing to the extent that it improves water management, including consideration of higher prices for water in excess of agricultural and urban vegetation management requirements.
    c. Recover more costs from variable charges and fewer costs from taxes and fixed water charges as is financially prudent

2. The County should consider coordinating with local agencies in using planning methods and adopting policies that promote long-run water use efficiency on a regional basis while accounting for policies on environmental and social well-being.

4.7.5 Optimize Use of the Nacimiento Water Project

The Nacimiento Water Project (NWP) is described in Section 3.2.4. Currently, 9,655 AFY of water available from the project is subscribed for and 6,095 AFY is unsubscribed for. The following are examples of how the use of the NWP could be optimized.

Unsubscribed Urban Use: This would entail direct delivery of the unsubscribed water to existing or new urban participants.

Unsubscribed Non-Urban Use: This would entail delivery to new rural and/or agricultural participants directly or via wheeling through existing participants' infrastructure.

Groundwater Banking or Recharge: This would entail direct or in-lieu delivery of subscribed and/or unsubscribed water to a recharge location for later extraction and/or to benefit the groundwater basin. In-lieu delivery refers to delivering additional NWP water to existing participants in-lieu of those existing participants pumping groundwater.

Exchanges: This would entail using the unsubscribed water in exchange of a currently used water resource. Examples include connecting CMC or Cal Poly to the NWP and freeing up State Water and/or Whale Rock Reservoir water for use by others; the City of San Luis Obispo utilizing additional water from the NWP and freeing up Salinas Reservoir water for use by others; or delivering unsubscribed water to urban areas to free up groundwater for rural and/or agricultural users.

4.7.5.1 <u>Potential Benefits of Optimizing the use of the Nacimiento Water Project</u>

Unsubscribed Urban/Non-Urban Use: Direct delivery of the unsubscribed water may offset demand on another water resource, such as groundwater, and/or eliminate the need to implement additional water supply projects, depending on the projected water supply deficiency.

Groundwater Banking or Recharge: Since unused NWP water, per contract provisions, cannot be "stored" in the reservoir and accumulated for later use, taking delivery of the unused water for recharge into the Paso Robles Groundwater Basin could improve basin conditions and improve supply reliability for participants in the banking and/or recharge program. Such a program could also make NWP water available annually for beneficial use.

Exchanges: Exchanges would allow those entities with water supply needs that would not feasibly be able to connect directly to the NWP to receive a supply from a source that they are already connected to, or that would be more feasible to connect to. Such an exchange promotes use of existing water supply systems ahead of developing new supplies.

4.7.5.2 Potential Cost of Optimizing the use of the Nacimiento Water Project

Unsubscribed Urban/Non-Urban Use: Costs include those for NWP operations and maintenance and the costs of any improvements to local treatment and/or delivery systems needed to convey the additional water. New participants in the NWP, or existing participants seeking to use more than their proportionate share of the unsubscribed water available, would also need to consider the cost to "buy-in" to the NWP, essentially reimbursing the original participants for the cost of the existing infrastructure. Costs would also be incurred if the water is wheeled through the existing infrastructure of an entity to the new participant.

Groundwater Banking or Recharge: Costs include those for NWP operations and maintenance and the costs of developing (or improving in the case of an in-lieu banking/recharge program) a local treatment and/or delivery system to and into (if direct) the recharge locations. A cost to "buy-in" to the NWP may also be incurred depending on the program participants. Costs may also be incurred if the water is wheeled through the existing infrastructure of an entity. Additional costs for groundwater banking or recharge projects are described in Section 3.8.9, which include the legal and institutional issues involved with groundwater banking while preserving the water rights of the overlying users.

Exchanges: Costs to consider include those associated with the difference in cost between an existing NWP participant to take additional NWP water versus the supply to be exchanged, and any other costs that participant may require. The exchange beneficiary may also incur costs for modifying their local treatment and/or delivery systems to take the water from the exchanged source of supply.

4.7.5.3 Major Issues Facing Optimization of the use of the Nacimiento Water Project

The affordability, potential participants/beneficiaries, and mechanism for funding the options for optimizing the NWP would need to be considered and determined.

Unsubscribed Urban Use: Existing participants have evaluated their future water needs and have subscribed for a quantity of water to meet their needs. Additional use of NWP water by existing participants would more likely occur via mechanisms discussed below.

Challenges for new urban participants include the affordability of buying in to the NWP and developing adequate infrastructure to take delivery of the water since it is a raw water supply, determining a fair buy-in cost, and the process by which new participants are considered (i.e. in the EIR versus not in the EIR) as described in Section 3.2.4. The quantity of water available depends on where along the NWP infrastructure the new participant is located.

Unsubscribed Non-Urban Use: In addition to the challenges for new urban participants, non-urban participants may face challenges due to local agency and/or County policies regarding wheeling water, annexations and use of surface water in rural and agricultural

areas. Rural and agricultural water users are largely individualized, which adds to the institutional and financial challenges of implementing a project to deliver NWP to rural and agricultural areas.

Groundwater Banking or Recharge: Challenges to implementing a groundwater banking or recharge project include defining the project participants and beneficiaries, institutional considerations regarding those that would be affected by the project but are unwilling to participate, determining fair costs for all beneficiaries, and, mainly for direct delivery, the ability of the groundwater basin to accept recharge, the environmental impacts of developing recharge facilities, accountability of the recharged water and water quality compatibility. For a banking project, appropriate design, operation and monitoring would be necessary to ensure extractions of banked water would not have a negative impact on the groundwater basin with respect to without project conditions.

While there are some losses to the basin that result in an overall benefit to its safe yield if done in perpetuity, banking projects are generally a reliability improvement option versus an option to provide additional supply since the amount of NWP water available annually would likely be taken directly to meet demands over time. The same may be true for a recharge project, unless there was agreement to utilize unsubscribed water for recharging the basin on a permanent basis.

Additional issues for groundwater banking or recharge projects are described in Section 3.8.9.

Exchanges: In addition to those listed in Unsubscribed Urban/Non-Urban Use above, challenges to implementing an exchange program include the feasibility of connecting to an exchanged supply source if not connected already, water rights issues regarding the place of use of the exchanged supply source, determining the institutional arrangements needed and associated costs, affordability, and stakeholder impacts.

4.7.5.4 Recommendations to Optimize the use of the Nacimiento Water Project

The NWP is a reliable source of water due to the nature of contract provisions and the quantity of the District's allocation as compared to the capacity of the reservoir. It is less likely that any of the District's allocation would be permanently set aside for reliability purposes. Given the affordability and institutional challenges associated with new urban or non-urban participants, and associated with a banking/recharge program that would likely only have a short-term benefit, and that potential direct urban participants would conduct their own evaluation regarding the NWP as a water supply option, the District should coordinate with interested entities to evaluate the potential for optimizing the use of the NWP by implementing exchange programs utilizing existing water supply systems that the District operates. Steps for evaluating exchange opportunities may include:

- Developing exchange scenarios and evaluating each scenario regarding the needs, willingness of participants, capacity availability, stakeholder review and/or approval, exchange valuation assessments, and water rights issues
- Conducting flow tests or reservoir releases to evaluate the benefit of exchange scenarios

4.7.6 Land Use Management

More efficient and effective land use patterns promote integrated regional water management (IRWM). Integrating land use and water management consists of planning for the housing and economic development needs of a growing population while providing for the efficient use of water, water quality, energy, and other resources. The way in which we use land- the pattern and type of land use and transportation and the level of intensity- have a direct relationship to water supply and quality, flood management, and other water issues.

The County's projected growth, urban, and rural development increases the pressure on natural resource conservation and amplifies the need for a comprehensive land use decision-making process. Managing rural development and promoting strategic growth to govern the conversion of agricultural land to rural development should reduce the stress on limited groundwater resources. This advisory resource management strategy describes how sustainable land use decision can improve water supply and quality, increase flood protection, conserve vital natural habitat, and lead to more efficient energy use.

Pollution Prevention. Proper land use management practices are important for pollution prevention, preventing sediment and pollutants from entering the source water. These pollutants are generated from land use activities associated with development, animal grazing, uncontrolled urban and rural runoff from development activities, and discharges from marinas and recreational boating activities. The Regional Water Quality Control Board has several point and non-point source pollution control programs to manage pollution.

Salt Management. Salts have been managed and mismanaged over the centuries in all parts of the globe. Mismanagement has often been attributable to a poor understanding of the dynamics of salt movement (how displaced salt can accumulate over time to salinize soils and aquifers; in much the same way as sweeping a room displaces dust). Unless sufficient dust is picked up and taken out of the room at some point, it will continue to accumulate and re-disperse, ultimately making the room unfit for use. Traditional irrigation practices, residential users (e.g. water softeners), and some industries can lead to salt accumulation and degradation of groundwater quality.

Developed Area Runoff Management. Developed area runoff management is a broad series of activities to manage both storm water and dry weather runoff for urban and rural areas. Dry weather runoff occurs when, for example, excess landscape irrigation flows to the storm drain. Traditionally, urban or rural runoff management was viewed as a response

to flood control concerns resulting from the effects of development or urbanization. Concerns about water quality impacts of runoff led water agencies to look at watershed approaches to control runoff and provide other benefits.

Urbanization and rural development alter flow pathways, water storage, pollutant levels, rates of evaporation, groundwater recharge, surface runoff, the timing and extent of flooding, the sediment yield of rivers, and the suitability and viability of aquatic habitats. Development creates impervious surfaces resulting in the loss of infiltration of storm water into subsurface aquifers. These impervious surfaces collect pollutants that are washed off to surface waters during rain events. The impervious surfaces also increase runoff volumes and velocities, resulting in stream bank erosion, and potential flooding problems downstream. Because of the emphasis on removing the water quickly, the opportunity to use storm-generated runoff for multiple benefits is reduced.

Agricultural Lands Stewardship. Agricultural lands stewardship broadly means the conservation and protection of the environment. Land managers practice stewardship by conserving and improving land for food, fiber and biofuels production, watershed functions, soil, air, energy, plant and animal and other conservation purposes. Agricultural lands stewardship also protects open space and the traditional characteristics of rural communities. Moreover, it helps landowners maintain their farms and ranches rather than being forced to sell their land because of pressure from urban development.

There are many ways that agricultural lands can be managed to conserve and/or protect water resources. Croplands can be managed to reduce or avoid stream bank erosion or storm water runoff. Stream bank stabilization may include a buffer strip of riparian vegetation which slows bank erosion and filters drainage water from the fields. Measures such as these can minimize or reduce the effects of agricultural practices on the environment and help meet governmental regulatory requirements while also reducing long-term maintenance problems for the landowner.

While good agricultural land management can successfully prevent many problems discussed above, implementing such measures are costly in terms of time, money or productive lands for crop production. Such costs are often immediate while the potential problems associated with soil erosion or other issues are long-term costs.

Recharge Areas Protection. Recharge areas are those areas that provide the primary means of replenishing groundwater. Good natural recharge areas are those where good quality surface water is able to percolate through the sediments and rocks to the saturated zone, which contains groundwater. If recharge areas cease functioning properly, there may not be sufficient groundwater for storage or use. Protection of recharge areas requires a number of actions based on two primary goals:

1. Ensuring that areas suitable for recharge continue to be capable of adequate recharge rather than covered by urban infrastructure, such as buildings and roads

2. Preventing pollutants from entering the groundwater to avoid expensive treatment that may be needed prior to potable, agricultural, or industrial beneficial uses.

Water Dependent Recreation Planning. By incorporating planning for water-dependent recreation activities in water projects, water managers play a critical role in ensuring that people today and into the future are able to enjoy such activities. For example, acquiring land for picnic tables and accessible trails near a planned reservoir can provide visitors a relaxing day by the water. If these were not included, a valuable water dependent recreation opportunity is missed.

Demand for water dependent recreation opportunities can become so great that it exceeds the capacity of the current infrastructure. As a result, many of these facilities could be overused, jeopardizing natural and cultural resources and degrading the recreational experience.

Watershed Management. Watershed management is the process of creating and implementing plans, programs, projects, and activities to restore, sustain, and enhance watershed functions. These functions provide the goods, services and values desired by the community affected by the conditions within a watershed boundary. In California, the practice of community-based watershed has evolved as an effective approach to natural resource management practiced in hundreds of watersheds throughout the state. These community-based efforts are carried out with the active support, assistance, and participation of numerous state agencies and programs.

4.7.6.1 Potential Benefits from Land Use Management

Land use management has many topics that can have benefits to local and regional water supply. While the benefits from these topics are different they all lead to these four main benefits:

1. Water Supply. Reducing municipal and industrial water demand through water use efficiency, recycling, capturing and reusing storm water, recharging and protecting groundwater, protecting ground and surface water from failed septic systems, and encouraging growth in areas with sufficient reliable water supplies.
2. Flood Management. Keeping people and structures out of flood hazard zones, reducing runoff volumes and intensity, and preserving ecological resources.
3. Water Quality. Reducing runoff volumes and improving runoff water quality.
4. Climate Change. Reducing green house gas emissions.

Some additional benefits from land use management are included below.

Environmental Benefits. Environmental benefits from land use management include improved efficiency, reduced energy consumption while maintaining working landscapes, habitats, and open spaces. In addition to these direct environmental benefits of land

stewardship, farmlands proximate to urban populations can benefit the environment by providing local sources of food requiring less transportation and storage, thereby conserving energy and land. While environmental benefits can successfully prevent many problems discussed above, implementing such measures are costly. Such costs are often immediate while the potential problems are long-term costs.

Recreational Opportunities. Preserving open spaces provides a source of public recreational activities.

4.7.6.2 Potential Cost of Land Use Management

Costs to local individuals for pollution prevention can be cost prohibitive and exceed the financial resources available to local agricultural operations.

Cost Associated with Pollution Prevention. According to the 2008 USEPA Clean Water Needs Survey, California has more than $21 billion of needs to prevent both point source and non-point source (NPS) pollution. This survey though, emphasized the point source discharges, which represents $20 billion of the needs, and likely underestimated the cost of measure to adequately prevent NPS pollution. An assessment of water quality conditions in California shows that NPS pollution has the greatest effect on water quality. It affects some of the largest economic segments of the state's economy, from agricultural development to the tourist industry.

Salt Management. A 2007 study illustrates the wide range of costs that a single industry might face in dealing with salt management. Rubin, Sundig, and Berkman (2007) investigated the cost of managing TDS at food processing plants and found that costs for removing total dissolved solids (TDS) by various means ranged from $258 per ton (deep well injection of collected untreated effluent) to over $8,000 per ton (end of pipe effluent treatment). While cost variability is high, multiple salt management options are necessary because the least-cost salt management option appropriate for a given area may be inconsistent with sustainability when considered in a broader context of local, regional or statewide salt management, energy consumption, water availability or other resource issues.

Recharge Areas Protection. Some of the costs that may be associated with protecting recharge areas are:

- Purchase or lease price of the land that is to be used for a recharge area
- Design and construction of facilities
- Land that is reserved for recharge areas cannot be used for other purposes that might provide a significant income for the land owner and tax revenues for the government
- If a local government agency owns the land, there is no tax income for the county

By not protecting recharge areas, water supply can be lost. The growth of urban areas, with roads, freeways, parking lots, and large warehouse type buildings, means that many more areas no longer allow runoff to infiltrate into the ground. Instead, the runoff flows rapidly into streams which peak more quickly and at higher flow rates than before the urban facilities were built. This runoff may create flood flows and is lost to groundwater recharge and may require the expense of other facilities to provide a substitute for that lost recharge. In a few urban areas, injection wells have been built to take the place of recharge areas that were lost to urban development. Injection wells are expensive, require careful technical control, and are not always successful, but they may be cost effective in the face of the high costs of urban land in many cities.

Water Dependent Recreation. Information is not readily available on the statewide costs of water-dependent recreation. Yet there is a need to increase the available recreation facilities and services to accommodate population growth. However, it is difficult to translate this increased need into specific recreation costs. Since the population is estimated to nearly double, costs will likely escalate accordingly. But population growth is not the only concern. California's climate continues to change, causing varied impacts, the public's demand for water will increase, and new facilities will also be necessary to meet that demand. The potentially large costs due to climate change have also yet to be calculated.

Watershed Management. Costs associated with watershed management depend on many factors, such as the size of the watershed; the land and water use activities occurring in the watershed; the condition and trends of the watershed; and the values, goods, and services demanded from the watershed.

Much of the cost of watershed management is associated with the specific land or water use activities occurring within the watershed on a recurring basis and is coincidental with these uses. Additional or external costs of watershed management tend to be associated with interventions designed to influence management or improve the results of management, to offer specific protection for certain functions and values, or to restore the functional conditions and associated uses of a watershed.

Agricultural Land Management. While good agricultural land management can successfully prevent many problems, implementing such measures are costly in terms of time, money or productive lands for crop production. Such costs are often immediate while the potential problems associated with soil erosion or other issues are long-term costs.

4.7.6.3 Major Issues Facing Land Use Management

Disincentives for Change. Local governments may not promote or implement resource-efficient development patterns for many legitimate reasons. Their decisions are guided by one or more of the following reasons:

- Landownership
- Marketing of perceived consumer preferences for single family homes with yards

- Community resistance to infill projects and/or higher density development
- Traditional and antiquated local and zoning ordinances that segregate retail uses from residential uses
- The added cost to conduct coordinated regional planning efforts
- The cost and potential liability associated with pursuing infill projects
- Environmental mitigation strategies that encourage lower density development

Given all of these factors in the equation of local land use planning and development, changing standards could be a significant and expensive public policy undertaking .

Funding. Funding to support salt management planning, project development, project operation and maintenance and salinity monitoring has been absent or insufficient. With very few exceptions, public funding dispersed through grants or loans to agencies and organizations has excluded or severely limited funding for planning efforts. Salt management on the scale needed for sustainability in the County may require a great deal of coordination planning at the local and regional level.

The two main aspects of implementing urban or rural runoff management measures are source control, including education, and structural controls. In highly urbanized areas, major costs for structural control include purchasing land for facilities and constructing, operating and maintaining treatment facilities. Local municipalities have limited ability to pay for retrofitting existing developed areas within existing budgets. Some are concerned about the economic impacts of raising taxes and requiring residents and businesses to pay for retrofitting existing development.

Financing can transcend all other issues affecting outdoor recreation, including water-dependent recreation. Funding issues fall into two categories:

1. Planning and development of new recreational sites financed through water and other development projects
2. The operation and maintenance of recreation sites once they are in place.

When water resources projects are being built or upgraded, there may not be enough funding to fully incorporate recreation. One reason for this is that the beneficiaries of recreation may be different from the other beneficiaries of the water project, requiring complex funding mechanisms to fully support recreation planning.

Maintenance of recreation facilities may be more susceptible to funding cuts in a bad economy than for other resources thought to be more essential. Without reliable funding, it is difficult for recreation provides to deliver quality, consistent and relevant facilities and services to meet growing demand.

Lack of Integration of Developable Area Runoff Management. Land use planning is not conducted on a watershed basis. Many agencies spend millions of dollars annually addressing urban or rural runoff problems with very little interagency coordination (both within the municipality and with other neighboring municipalities) even though downstream communities can be impacted by the activities upstream. Internal communications within local government can be improved to ensure that program goals and direction of one branch do not conflict with those of another; and local governments need to communicate with one another to ensure that land use planning on a regional level is complimentary across jurisdictional boundaries. Retrofitting existing development may not be feasible and may be only implementable on a voluntary basis.

Water Quality. The movement of pollutants in urban or rural runoff is a concern. Runoff contains chemical constituents and pathogenic indicator organisms that could impair water quality. Studies by EPA and the U.S. Geological Survey indicate that all monitored pollutants stayed within the top 16 centimeters of the soil in the recharge basins. The actual threat to groundwater quality from recharging urban or rural runoff is dependent on several factors, including soil type, source control, pretreatment, and solubility of pollutants, maintenance of recharge basins, current and past land use, depth to groundwater, and the method of infiltration used.

Water quality can both affect and be affected by water-dependent recreation. Untreated sewage released into the ocean has led to highly publicized closures of public beaches. Fertilizers and chemicals from agricultural runoff also contribute to poor water quality in recreation areas. Contaminated lakes, rivers, and streams not only present health risks to those participating in water-contact recreation, but can affect water quality. Human source contamination, such as body contact, untreated sewage, and petroleum products discharged from houseboats and other pleasure craft can be significant problem to reservoirs storing drinking water.

Land Use Alter Hydrologic Cycles. The hydrologic cycle includes snow or rain, the flow of water into the atmosphere. How the land is managed can reduce rainwater infiltration and the timing and, in some cases, the volume of runoff. Storms, especially in urban areas but also in some rural areas, are now marked by high intensity runoff over short periods. This creates greater flood risk and reduces the ability to capture water for needs during dry times. From an ecological perspective, this compression of runoffs robs the streams and landscape of groundwater. This leads to dry land, a shift in vegetation types, lower and warmer streams, and deterioration of stream channels, all of which lead to shifts in the plants and animals that can be supported. In some areas, the diversion of water from streams in the watershed to other regions outside the watershed, or the application of water imported from outside the watershed, has changed ecological functions or altered the flow of water through the watershed.

4.7.6.4 Recommendations for Implementation of Land Use Management

Pollution Prevention

1. Pollution prevention and management of water quality impairments should be based on a watershed approach. A watershed-based approach adds value, reduces cost, promotes cross-media, and integrates programmatic and regional strategies.
2. Agencies should establish drinking water source and wellhead protection programs to shield drinking water sources and groundwater recharge areas from contamination. These source protection programs should then be incorporated into local land use plans and policies.
3. All entities that make decisions with a bearing on salt management should be participating in regional salt management planning, monitoring and implementation projects. Effective and sustainable salt management decisions rest in the hands of a wide range of water managers, regulators, facility operators, policy makers, landowners and other stakeholders in any given watershed. These entities should strive to coordinate their efforts where possible in order to utilize resources efficiently, develop regional solutions to regional problems, optimize funding opportunities and achieve a salt balance in the basin as quickly as possible.

Developable Area Runoff Management

1. Design recharge basins to minimize physical, chemical, or biological clogging. Periodically excavate recharge basins when needed to maintain infiltration capacity, develop groundwater management plan for protecting both the available quantity and quality of groundwater, and cooperate with vector control agencies to ensure the proper mosquito control mechanisms and maintenance practices are being followed.
2. Work with the development community to identify opportunities to address urban and rural runoff management, including low impact development, in development and redevelopment projects.
3. Communicate with citizens about pollution of runoff and what can be done about it by creating lists of locally accepted practices that could be used at the homeowner level to address urban runoff.

Agricultural Land Stewardship

1. Continue to implement County policies that enhance agricultural lands stewardship on high priority, productive agricultural lands. Focus on local agricultural infrastructure investment, marketing assistance, and the development of agricultural lands stewardship practices and strategies in cooperation with local, State and federal agricultural conservation entities.
2. Continue to include agricultural lands stewardship as an objective of the region's Integrated Regional Water Management Plan (IRWMP).

Recharge Protection

1. Develop a program to identify and map recharge areas
2. Consider developing a uniform method for analyzing the economic benefits and costs of recharge areas protection and provide guidance and assistance for economic feasibility analyses that could be used by project planners and funding agencies to assess recharge areas as compared with long-term reduction of water supplies, wellhead treatment, injection wells, or conversion to other land uses.

Water-Dependent Recreation

1. Participate in efforts to collect data on visitation rates versus reservoir water levels and downstream flow rates, and use this data to help optimize the timing of water that is released or held for recreation, to the degree possible consistent with other water needs.
2. Participate in efforts to inventory water facilities and measure their vulnerability to specific invasive species, prioritizing and developing preventive measures and response strategies for the most at risk facilities.
3. Participate in efforts to develop a strategy to reduce water quality impacts and recommend improvements in water recreation vehicles- such as stricter regulation outputs on gasoline engines on waterways.

Watershed Management

1. More effectively align agency goals and methods to reflect coordinated approaches to management using watersheds as the context for implementation and effectiveness measurement.
2. Provide a means of easy access to technical information such as geographic information system (GIS) layers, monitoring data, planning models and templates, assessment techniques, from multiple sources that are useful at multiple levels of decision-making.
3. Use a watershed approach to coordinate forest management; land use; agricultural land stewardship; integrated resources planning and other appropriate resource strategies and actions.
4. Increase the ability for precipitation to infiltrate into the ground; reduce surface runoff to a point where it better reflects a natural pattern of runoff retention. This practice is often described as reducing impervious surfaces within a watershed. Retain floodplain and other wetlands intact to the extent possible, in order to maintain or increase residence time of water in the watershed.

4.7.7 Recycled Water

One way to meet the current and future water demands of the County is to recycle water, that is, treat and reuse wastewater. Wastewater which is treated to a specified quality in order to be able to use it again is called recycled water. Although there are varied sources of wastewater, the discussion only addresses recycling of municipal wastewater from treatment plants.

Municipal wastewater originates primarily from domestic sources, but also includes wastewater from commercial, industrial, and institutional sources that discharge to a common collection system where it mixes with domestic water before treatment. The California Water Code provides the following definition for recycled water: “water which, as a result of treatment of wastewater, is suitable for a direct beneficial use or a controlled use that would not otherwise occur and is therefore considered a valuable resource.”

Recycled water use can serve many purposes:

1. An additional water source, which may also offset the need for additional freshwater supplies.
2. A drought resistant water supply.
3. A green alternative for treatment and disposal of wastewater.
4. A natural treatment through land application and a reduction in discharge of excess nutrients into surface waters.
5. A source of nutrients for crops or landscape plants.
6. A means to enhance environmental features, such as wetlands.

State regulations mandate that producers and users of recycled water comply with treatment and use restrictions to protect public health and water quality. The California Department of Public Health (CDPH) adopt water recycling criteria which are based on water source and quality, and specify sufficient treatment based on intended use and human exposure. The treatment objective is to remove pathogens and excess nutrients, making the water clean and safe for the intended uses. The criteria are regulated by the Regional Water Quality Control Boards through permits which specify wastewater treatment methods, approved uses of recycled water, and performance standards.

As the treatment level is increased from primary, secondary, tertiary to advanced, the permitted uses of recycling water are also increased. For example, municipal wastewater that has been treated to a specified quality (disinfected tertiary recycled water) can be used to irrigate school yards, parks and residential landscape, and may be suitable for industrial applications or use in office and industrial buildings for toilet flushing. Wastewater that has been treated to secondary levels is generally suitable for uses that do not include contact with food or people.

Unlike treated wastewater discharged to streams, water that is discharged to the ocean or other saline water bodies is considered no longer practically available for use and is termed "irrecoverable water." Where water recycling can capture municipal wastewater that would otherwise become irrecoverable water, water recycling represents a strategy that increases water supply. The State recognizes this distinction by classifying water recycling projects in coastal areas as new water supply. Because discharges to the ocean or brackish water bodies support few, if any, downstream beneficial uses, such discharges are excellent sources of wastewater for future recycling efforts.

As communities increase their levels of recycling, the volume of water that is discharged into a stream will be reduced, potentially adversely affecting downstream water rights or in stream beneficial uses. Recognizing this, California Water Code requires that prior to making any change in the point of discharge, place of use, or purpose of use of treated wastewater, that changes shall be reviewed by the State Water Resources Control Board (State Board) to ensure potential impacts to beneficial uses are considered before authorizing a change in the permitted discharge of municipal wastewater.

4.7.7.1 Potential Benefits of Water Recycling

Water recycling has the potential to provide a variety of benefits including reduced costs, increased reliability of supply, and increased availability of potable water. All of these benefits are derived from the primary benefit of using recycled water to increase local water supplies.

Water recycling plays a role in California's climate change mitigation efforts. Combustion of fossil fuels at power plants is a major source of greenhouse gas (GHG) emissions. A significant amount of the energy produced by those power plants is used by the water sector. Water recycling can provide a comparatively low energy source of local water using less energy than the importation of water from other regions or desalination of ocean and brackish water. The benefit is greatest where recycled water is available for applications, such as agricultural irrigation of nonfood crops, which do not demand the advanced levels of treatment or to lands that do not have a sustainable groundwater supply. The provision of recycled water for most urban applications requires tertiary treatment, which requires a greater amount of energy reducing the GHG savings.

Climate change is predicted to impact water supply, most notably altering the seasonal availability of water. Municipal water recycling is one of several water resource management tools that may be utilized by regions working cooperatively to help develop sustainable local water resources and meet water management goals and objectives. Recycled water cannot be directly used for potable applications, but recycled water can increase the availability of local potable water. Potable water is often used for applications, like irrigation, which do not require potable quality. Using recycled water for such applications provides potable water for more appropriate uses.

4.7.7.2 Potential Cost of Recycled Water

Given the variability of local conditions and their effect on treatment and distribution costs, the estimated range of capital and operational costs of water recycling range from $300 to $1,300 per acre foot of recycled water, but in some instances costs above this range are encountered (source: California Water Plan). The actual cost will depend on the quality of the wastewater, the level of treatment required, and the proximity of potential users to the source of the recycled water. Uses that require higher quality and/or have greater public health concerns will incur higher costs.

The cost to install new distribution systems is a major obstacle to the expansion of water recycling. Because recycled water is not classified as potable, regulatory constraints prohibit conveying recycled water and potable water in the same pipelines. Recycled water must be conveyed in a separate purple pipe distribution system that is labeled and readily distinguished from traditional water lines. The cost to install new purple pipe distribution mains from the treatment plants to users can be prohibitively expensive. As a consequence, it is more cost-effective to transport water to areas near treatment plants. However the users that could use large volumes of recycled water, such as agricultural users, are often the most distant from urban wastewater treatment plants. Establishment of local ordinances requiring upgrades to dual water distribution system (purple pipe) could bolster the acceptance and implementation of recycled water projects.

The potential for cross-connections is one of the challenges of separate pipeline systems for potable and non-potable water. As the name implies, a cross connection refers to the accidental connection of potable and non-potable systems, essentially contaminating the potable water systems. The potential for such errors will likely increase as a greater number of offices, commercial centers, and residences incorporate dual plumbing to provide non-potable water for irrigation, toilet flushing, and other permitted uses.

4.7.7.3 Major Issues Facing Water Recycling

Data Availability. Comprehensive studies on water recycling facilities to quantify water recycling efforts, characterize success and/or failures, or make informed decisions as to future endeavors and funding priorities are somewhat limited.

Affordability. The cost to provide recycled water can exceed the current consumer price of fresh water, but may be less than other new water sources such as importing water from other regions or desalination. Because a significant portion of the cost to implement water recycling is associated with the installation of core infrastructure such as treatment equipment and distribution mains, recycled water can be prohibitively expensive at the local level, and may be more cost effective on a regional scale.

The shortage of local funding to plan recycled water projects can slow the construction of new projects. Public funding and incentive measures should be provided to advance water recycling projects that provide local and regional benefits. The primary source of state

funding has been the Water Recycling Funding Program administered by the State Board, providing low interest loans and grants to local agencies. The DWR administers the Integrated Regional Water Management Plan (IRWM) Grant Program, which favors water recycling projects.

Water Quality. Public acceptance of recycled water depends on the confidence in the safety of the water. The following four water quality characteristics have been identified as being of particular concern:

1. Microbiological quality
2. Salinity
3. Heavy metals
4. Organic and Inorganic substances (pharmaceuticals, household chemicals, fertilizers, etc.)

Applying appropriate levels of treatment for specific uses assures the safe use of recycled water.

Conventional wastewater treatment plants are not designed to remove all organic wastes. The fate of organic waste constituents is variable and in some cases unknown. Further study is necessary to assess the health effects of these constituents. Organic chemicals are often present in extremely low concentrations that are difficult to measure.

Concentrations of heavy metals have been a concern and are closely monitored in recycled water. However, modern wastewater treatment processes are able to routinely remove more than 90 percent of heavy metals from wastewater before discharge. As technology continues to advance, concerns about the presence of heavy metals are expected to diminish.

The salinity of recycled water can limit its usefulness in salt sensitive applications such as landscaping, and agriculture. Salt is not removed by traditional wastewater treatment processes but through desalination (See section 3.8.12). Because each cycle of recycling concentrates additional salt, there are a limited number of times that water can be recycled unless advanced treatment, such as reverse osmosis, is used to remove the salts.

Water quality criteria for recycled water, established by the California Department of Public Health (CDPH), define water quality and treatment requirements are incorporated into the waste discharge or water reclamation permits which are issued by the Regional Boards to producers and users of recycled water. Extensive monitoring assures compliance with the requirements.

Potential Impacts. Communities that discharge wastewater to rivers, streams, or percolate to groundwater, contribute to the ambient water that is available downstream users. The implementation of water recycling in upstream communities would reduce the volume of

such discharges, potentially reducing the volume of ambient water available for downstream reuse and/or fulfillment of environmental needs. In some cases, downstream users may have rights to the use of discharged wastewater, potentially preventing upstream communities from implementing recycling.

Whether for storage or planned indirect use, the discharge of recycled water to wells, infiltration sires, or other locations underlain by permeable soil and geologic materials has the potential to introduce contaminants, including salts, into potable groundwater sources and aquifers. Presently California does not approve direct potable reuse projects, that is, where recycled water is used directly from a treatment plant into a drinking water supply.

4.7.7.4 Central Coast RWQCB Conditional Waiver

A concern was raised that the Central Coasts RWQCB's Agricultural Order No. R3-2011-0006, Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands (Order), would affect the use of recycled water in the County. This Order regulates discharges of waste from irrigated lands by requiring dischargers to comply with the terms and conditions of the Order to ensure that such discharges do not cause or contribute to the exceedance of any regional, State, or Federal numeric or narrative water quality standard.

Dischargers may have to implement best management practices, treatment or control measures, or change farming practices to meet water quality standards and achieve compliance with the Order. Discharges from irrigated lands regulated by this Order include discharges of waste to surface water and groundwater, such as irrigation return flows, tailwater, drainage water, subsurface drainage generated by irrigating crop land or by installing and operating drainage systems to lower the water table below irrigated lands (tile drains), stormwater runoff flowing from irrigated lands, stormwater runoff conveyed in channels or canals resulting from the discharge from irrigated lands, runoff resulting from frost control, and/or operational spills. These discharges can contain wastes that could affect the quality of waters of the State and impair beneficial uses.

Personal communication with Angela Schroeter with the Central Coast RWQCB indicated that there have been very few comments received regarding the Order's impact on the use of recycled water. The Order does not specifically mention nor preclude the use of recycled water. The Central Coast RWQCB does not intend to prevent the use of recycled water for irrigation or for groundwater recharge. The individual monitoring and control measures mentioned in the Order are not dependent on the type of water that runs off a property. It depends more on the agricultural operation and whether runoff that contains chemicals is reaching a receiving water that could be impacted. This Order should have no impact on the use of recycled water in the County.

4.7.7.5 Recommendations to Increase Recycled Water Use

1. Although it is increasingly evident that water recycling projects have been and continue to be, implemented throughout the state, a comprehensive, current inventory

of recycling facilities and programs does not exist. The County should encourage the State Board to establish a centralized data repository of recycling facilities and programs that contains basic information such as type of treatment, volume of water recycled, uses of recycled water, and cost of operation.

2. The County should work with state agencies including the State Board, Regional Boards, CDPH, and DWR should develop a uniform interpretation of state standards for inclusion in regulatory programs and IRWMPs, and clarify regulations pertaining to water recycling including permitting procedures, health regulations and the impact on water quality.

3. The County should encourage the State to expedite the availability of funding for the preparation of regional salt management plans in order to increase the potential of recycled water.

4.7.8 Optimize Use of State Water Project

The State Water Project (SWP) is described in Section 3.4.1. Currently, 9,727 AFY of water available from the project is subscribed and 15,273 AFY is unsubscribed. After establishing the priorities for existing participants in consideration of contracts and prior financial contributions, the affordability of, potential participants/beneficiaries among, and mechanism for funding the options for optimizing the State Water Project system would need to be considered and determined for the unsubscribed amount. The following are examples of how the use of the SWP could be optimized.

Unsubscribed Urban Use: This would entail direct delivery, or delivery via wheeling through existing participants' infrastructure, of the unsubscribed water to existing or new urban participants.

Unsubscribed Non-Urban Use: This would entail delivery to new rural and/or agricultural participants directly or via wheeling through existing participants' infrastructure.

Groundwater Banking or Recharge: This would entail direct or in-lieu delivery of subscribed and/or unsubscribed water to a recharge location for later extraction and/or to benefit a groundwater basin. In-lieu delivery refers to delivering additional SWP water to existing participants in-lieu of those existing participants pumping groundwater.

Drought Buffer: This would entail permanently reserving any unsubscribed water for use when SWP deliveries are less than 100 percent. Drought buffer could also entail storing SWP locally or using SWP water "in-lieu" of local supplies. This would allow local supplies like groundwater or Lopez Reservoir water to remain in storage for use during droughts or when demands exceed SWP deliveries.

Exchanges: This would entail using the unsubscribed water in exchange of a currently used water resource. Examples include increasing SWP deliveries to CMC and freeing up Whale Rock Reservoir water for use by others; Lopez Turn-out participants utilizing

additional water from the SWP and freeing up Lopez Reservoir water for use by others; or delivering unsubscribed water to urban areas to free up groundwater for rural and/or agricultural users.

4.7.8.1 Potential Benefits of Optimizing the Use of the State Water Project

Unsubscribed Urban/Non-Urban Use: Direct delivery of the unsubscribed water may offset demand on another water resource, such as groundwater, and/or eliminate the need to implement additional water supply projects, depending on the projected water supply deficiency.

Groundwater Banking or Recharge: Since the SWP water available can vary year to year based on hydrology and environmental regulations, taking delivery of the available unused water for recharge into a groundwater basin would improve basin conditions and improve supply reliability for participants in the banking and/or recharge program and put the SWP water available annually to beneficial use.

Drought Buffer: The SWP cannot always deliver 100 percent of allocations. To receive a greater portion of State Water during these shortages (up to their full allocation), participants can enter into "Drought Buffer Water Agreements" with the District for use of an additional portion of the District's SWP allocation. For example, when the SWP can only deliver 50 percent of contracted allocations, an agency with 100 AFY allocation and 100 AFY drought buffer allocation can still receive 100 AFY WSA – 50 percent of their 100 AFY allocation plus 50 percent of their 100 AFY drought buffer allocation equals 100 AFY.

Using SWP water in-lieu of local supplies will preserve local groundwater and surface water supplies for use during droughts or when demands exceed SWP deliveries.

Exchanges: Exchanges would allow those entities with water supply needs that would not feasibly be able to connect directly to the SWP to receive a supply from a source they are already connected to, or that would be more feasible to connect to. This puts existing water supply systems to use ahead of developing new supplies.

4.7.8.2 Potential Cost of Optimizing the use of the State Water Project

Unsubscribed Urban/Non-Urban Use: Costs include those for SWP operations and maintenance and the costs of any improvements to local treatment and/or delivery systems needed to convey the additional water. New participants in the SWP, or existing participants seeking to use more than their proportionate share of the unsubscribed water available, would also need to consider the cost to "buy-in" to the SWP, essentially reimbursing the original participants for the cost of the existing infrastructure. Costs would also be incurred if the water is wheeled through the existing infrastructure of an entity to the new participant.

Groundwater Banking or Recharge: Costs include those for SWP operations and maintenance and the costs of developing (or improving in the case of an in-lieu banking/recharge program) a local treatment and/or delivery system to and into (if direct)

the recharge locations. A cost to “buy-in” to the SWP may also be incurred depending on the program participants. Costs may also be incurred if the water is wheeled through the existing infrastructure of an entity.

Drought Buffer: The cost of the drought buffer program is equal to the District’s cost for carrying the excess allocation annually and relates to the past cost of the SWP infrastructure from Northern California to Devil’s Den - currently approximately $70 – 75 per acre foot.

Exchanges: Costs to consider include those associated with the difference in cost between an existing SWP participant to take additional SWP water versus the supply to be exchanged, and any other costs that participants may require. The exchange beneficiary may also incur costs for modifying their local treatment and/or delivery systems to take the water from the exchanged source of supply.

4.7.8.3 Major Issues Facing Optimization of the use of the State Water Project

The affordability, potential participants/beneficiaries, and mechanism for funding the options for optimizing the State Water System would need to be considered and determined.

Unsubscribed Urban Use: Additional use of SWP water by existing and new urban participants is limited by the capacity of the Coastal Branch of the State Water Project, District policies and contracts between the District, CCWA and/or DWR as described in Section 3.4.1. If there is excess capacity in the Coastal Branch, use of that excess capacity, related changes in treatment plant operations, and associated costs would need to be negotiated between the District, CCWA and DWR in order to modify existing contracts.

Challenges for new urban participants include determining a fair buy-in cost, the affordability of buying in to the SWP and developing adequate infrastructure to take delivery of the water, the process by which new participants are considered under District policies, and the reliability of the SWP. The quantity of water available depends on where along the SWP infrastructure the new participant is located.

Unsubscribed Non-Urban Use: In addition to the challenges for existing and new urban participants, non-urban participants may face challenges due to local agency and/or County policies regarding wheeling water, annexations and use of surface water in rural and agricultural areas. Rural and agricultural water users are largely individualized, which adds to the institutional and financial challenges of implementing a project to deliver SWP to rural and agricultural areas.

Groundwater Banking or Recharge: Challenges to implementing a groundwater banking or recharge project include defining the project participants and beneficiaries, institutional considerations regarding those that would be affected by the project but are unwilling to participate, determining fair costs for all beneficiaries, and, mainly for direct delivery, the ability of the groundwater basin to accept recharge, the environmental impacts of

developing recharge facilities, accountability of the recharged water and water quality compatibility. For a banking project, appropriate design, operation and monitoring would be necessary to ensure extractions of banked water would not have a negative impact on the groundwater basin with respect to without project conditions.

Drought Buffer: In years when the SWP can deliver 100 percent of allocations, the water available as drought buffer may not be put to beneficial use locally, and options for sale of the water on a temporary basis are limited. The water could be "turned back" to the State with only a small percentage of the annual cost of that water reimbursed to the SWP participant. Depending on the percent of allocations the State can provide and the amount of drought buffer SWP participants have, sale of any available drought buffer water at a higher rate, if not sold locally, would likely only be possible under an emergency drought declaration by the State.

Exchanges: In addition to those listed in Unsubscribed Urban/Non-Urban Use above, challenges to implementing an exchange program include the feasibility of connecting to an exchanged supply source if not connected already, water rights issues regarding the place of use of the exchanged supply source, determining the institutional arrangements needed and associated costs, affordability, and stakeholder impacts.

4.7.8.4 Recommendations to Optimize the use of the State Water Project

Since the SWP is a less reliable source of water, looking at a combination of these optimization options to both improve its reliability and increase direct use would be most beneficial. Steps for evaluating and implementing optimization opportunities may include:

- Understanding which entities may be interested in receiving additional State Water (the District has been compiling a list of interested parties)
- Understanding how much additional capacity may be available in the existing infrastructure that conveys State Water (an analysis of the Lopez Pipeline has been completed; an analysis of the Coastal Branch and Chorro Valley Pipeline will be completed in Summer 2011)
- Understanding exchange opportunities with other resources within the District that may free up a portion of the existing State Water allocation
- Developing and/or updating District policies regarding which entities have priority to receive State Water
- Creating a priority list of those who have requested additional State Water based on District policies, infrastructure capabilities and potential exchange opportunities with other resources
- Providing a final opportunity to existing SWP participants to execute Drought Buffer Agreements

- Negotiating use of excess capacity and District allocation with CCWA and DWR guided by District needs and priorities. If District needs are greater than the proportionate share of excess capacity, negotiations with CCWA would likely involve exchanging use of CCWA's proportionate share of capacity for a portion of the District's excess allocation.
- Coordinating with State Water users to further consider the Paso Robles Groundwater Basin (or other Basin in the County) for a banking and/or recharge operation for storage or sale of any unused State Water on an annual basis

4.7.9 Groundwater Banking/Recharge

Groundwater management is the planned and coordinated management of a groundwater basin with a goal of long-term sustainability of the resource. In particular, groundwater management is directed toward improving specific aspects of the management of groundwater resources in individual basins or portions of basins, across the County. The improvements pertain to many aspects of groundwater management, including characterizing and increasing knowledge of individual groundwater basins, identifying basin management strategies or objectives, planning and conducting groundwater studies, and designing and constructing conjunctive management projects.

Groundwater storage can be defined in three different ways depending on the context of its use:

1. The quantity of water that occurs beneath the land surface and fills the pore spaces of alluvium, soil, of rock formations beneath the land surface
2. The volume of usable physical space available to store water in the pore spaces of the alluvium, soil, or rock formation beneath the land surface
3. The act of storing water in the pore spaces of the alluvium, soil, or rock formation beneath the land surface.

These water-filled geologic materials, or aquifers, may receive the water, or be "recharged," from natural hydrologic processes, or the water may be introduced to the aquifers by active groundwater management. The water in these aquifers may be withdrawn through wells, or the water may discharge naturally, contributing to stream flow or to the supply of water for springs, seeps, and wetlands. Maximum attainable groundwater storage capacity is defined as the maximum volume of usable void space that can be occupied by water in a given volume of a formation, aquifer, or groundwater basin.

Groundwater remains an important water source for municipal drinking water, agriculture, and individual water users throughout the County. Groundwater storage is less susceptible to adverse impacts from natural hazards and requires less maintenance compared to surface storage.

Groundwater recharge is the mechanism by which surface water moves from the land surface, through the topsoil subsurface, and into de-watered aquifer space, or through injection of water directly into the aquifers by wells. Groundwater recharge can be either natural or managed. Natural recharge occurs from precipitation falling on the land surface, from water stored in lakes, and from streams carrying storm runoff. Managed recharge occurs when water is placed into constructed recharge or spreading ponds or basins, or when water is injected into the subsurface by wells. Managed recharge is also known as artificial, intentional, or induced recharge. Two widely used methods for managed groundwater recharge are recharge basins and injection wells.

In-lieu recharge is the practice of using alternate source of supply (e.g. imported water) in place of groundwater, thereby leaving groundwater in storage for later use. When supplies are available, groundwater producers would be encouraged to turn off their pumping facilities and use imported water to meet their demands.

Recharge Basins. Recharge basins are frequently used to recharge unconfined aquifers. Water is spread over the surface of a basin or pond in order to increase the quantity of water infiltrating into the ground and then percolating to the water table. Recharge basins concentrate a large volume of infiltrating water on the surface. As a result, groundwater mounds form beneath a basin. As the recharge begins the mound grows; when recharge ceases the mound recedes as the water is spread through the aquifer. The infiltration capacity of recharge basins is initially high, and then as recharge progresses the infiltration rate decreases as a result of surface clogging by fine sediments and biological growth on the uppermost layer of the soil. Fine surface sediments may occasionally need to be removed mechanically to maintain the effectiveness of recharge basins.

Injection Wells. Injection wells are used primarily to recharge confined aquifers. The design of an injection well for artificial recharge is similar to that of a water supply well. The principal difference is that water flows from the injection well into the surrounding aquifer under either a gravity head or a head maintained by an injection pump. As a large amount of water is pushed through a small volume of aquifer near the well face, injection wells are prone to clogging, which is one of the most serious maintenance problems encountered. It is suspected that a combination of a build-up materials brought in by the recharging water are the primary and chemical changes brought about by the recharging water are the primary causes of clogging. Using dual purpose wells (injection and pumping) is one economical way to operate artificial recharge by injection. So that cleaning of the well and the aquifer may be achieved during the pumping period. However, pretreatment of the water to be injected is always necessary to eliminate the suspended matter.

4.7.9.1 Potential Benefits of Groundwater Banking/ Recharge

1. Improved Local Water Supply Reliability. Imported surface storage water supplies and/or flood flows are recharged to a local groundwater basin during wet years/seasons, increasing local water supply reliability.

2. Drought Relief for Urban Water Users and Potential Induced Groundwater Recharge. Groundwater substitution transfer and agricultural water transfer during drought months.
3. Protection from Salt Water Intrusion. Recharge groundwater using captured flood flows or recycled water in the vicinity of salt water interface to raise the groundwater levels and prevent migration of saline water into freshwater production portions of the aquifer.
4. Improved Flood Control and Groundwater Storage. Development of detention/ retention ponds at the proposed residential subdivisions located in the groundwater recharge protection areas can offset the increased urban runoff due to the development while maintaining natural groundwater recharge.

4.7.9.2 Potential Costs of Groundwater Banking/Recharge

Costs for implementing groundwater storage or recharge may include a wide range of facilities and depend on site-specific nature of the program; accordingly, the cost for a unit increase in water supply or delivery is highly variable.

Some projects require relatively minor changes in operations or upgrades of existing infrastructure, such as increased sizing of pumps in existing wells. Other projects may require extensive new facilities such as new pipelines, pumps, injection or extraction wells, or construction of new recharge basins. The highly variable nature of implementation costs requires that feasibility of new projects or programs be evaluated carefully on a case-by-case basis.

The wide range of costs result from many factors including project complexity, regional differences in construction and land costs, availability and quality of recharge supply, availability of infrastructure to capture, convey, recharge and extract water, intended use of water, and treatment requirements.

4.7.9.3 Major Issues Facing Groundwater Banking/ Recharge

Effects of Land Use Changes on Cost and Citing of New or Enlarged Recharge Facilities. A natural recharge area may be eliminated because of a new development or contamination from a development. The protection and the improvement of natural recharge areas are important in maintaining and improving groundwater storage. Proximity of some developments to existing groundwater recharge facilities precludes further expansion of recharge area.

With the cost of land increasing, better land use planning is required to preserve natural recharge areas by either limiting the encroaching development or purchasing the land. However, protecting an important natural recharge area sometimes may not be high priority for the County or local use authorities.

Inconsistency and Uncertainty in Regulatory Status with Respect to Recharge and Surface Commingling of Different Quality Water. Groundwater recharge involves using water from different sources to recharge a groundwater basin. The water quality of water used for recharge is usually different from the water in the receiving groundwater basin. Uncertainty in regulatory status with regard to water quality of recharging and receiving waters increases the uncertainty of the planning effort of the project.

Infrastructure and Operational Costs. Physical capacities of existing storage and conveyance facilities are often not large enough to capture surface water when it is available in wet years. Conveyance capacity for surplus imported water supplies is most available during the wetter and cooler months when water demand is low. However this wetter period also coincides with reduced ability to accomplish in-lieu recharge (due to low water demands) and with increased spreading of local runoff, which may limit the ability to recharge other sources of water.

Water Quality. Groundwater quality can be degraded by naturally occurring or human-introduced chemical constituents, low quality recharge water, or chemical reactions caused by mixing water of different qualities. Protection of human health, the environment, and groundwater quality are all concerns for programs that recharge urban runoff or reclaimed/ recycled water into groundwater.

New and changing understanding of water quality constituents, including emerging contaminants, and their risks to human and ecological health result in changing water quality standards. A water source may, at the time it is used for recharge, meet all drinking water quality standards. Over time, however, detection capabilities improve and new or change water quality standards become applicable. As a result, contaminants that were not previously identified or detected may become future water quality problems creating potential liability.

Recovery of Banked Water. Groundwater banking is generally viewed as being difficult to implement and monitor if overlying land owners are not part of the banking project. Overlying land owners could extract water and benefit from a project that was funded by other parties.

4.7.9.4 Recommendations to Improve Groundwater Banking/ Recharge

1. Basin-wide groundwater management plans should be developed with assistance from an advisory committee of stakeholders to help guide the development, educational outreach, and implementation of the plans. Advanced tools developments should be pursued as part of planning basin wide groundwater management to help quantify the benefit and assess robustness of management strategies.
2. Manage the use of available aquifer space for managed recharge and to develop multi-benefit projects that generate source water for groundwater storage by capturing water not used by other water users or the environment.

3. Identify and evaluate local opportunities to reduce runoff and increase recharge on residential, school, park, and other unpaved areas.

4.7.10 Groundwater Supply Sources

This water supply option is available to all entities that overlay or are near a groundwater basin. Examples include a community in need of a water supply coordinating with a landowner or other agency that overlies a basin with sufficient yield to transfer water; treating groundwater from a basin that is not typically used due to water quality; forming an organization to supply water to a group of homes or agricultural operations; an existing organization extracting more groundwater to meet demands; or individually extracting water from a groundwater basin the property owner overlies.

4.7.10.1 Potential Benefits of using Groundwater Supply Sources

Groundwater is a relatively inexpensive, local supply to meet demands.

4.7.10.2 Potential Cost of Groundwater Supply Sources

Costs of using groundwater supplies include the infrastructure, treatment and ongoing operation and maintenance costs for the system. There may be a fee imposed by the landowner or entity involved with a transfer from the groundwater basin to an outside party. There are institutional costs associated with appropriative rights.

4.7.10.3 Major Issues Facing the use of Groundwater Supply Sources

1. Requires agreements for land and easements to locate utilities.
2. Pumping groundwater from one basin for use in another may require the acquisition of water rights.
3. For groundwater basins that are not typically used due to water quality problems, adding water treatment can be a short or long-term solution to address needs.
4. Conflicts with overlying users and County policies
5. Future use and safe yield

4.7.10.4 Recommendations to Facilitate Management of Groundwater Supply Sources

1. Develop adequate basin monitoring programs in order to understand the safe yield of each basin and monitor its condition over time
2. Develop Groundwater Management Plans for each basin in order to understand their capacity and the effect of certain actions
3. Facilitate education and outreach programs about existing County policies, State programs and water laws regarding groundwater.

4.7.11 Salinas Reservoir Expansion/Exchanges

The Salinas Reservoir and River system could be optimized by modifying the dam to increase the reservoir's safe yield by 1,650 AFY and/or managing releases and flows in the river or its tributaries to make use of high flows that would not otherwise be used or retained in San Luis Obispo County.

4.7.11.1 Potential Benefits of Salinas Reservoir Expansion/Exchanges

This strategy optimizes management of existing supply resource and infrastructure by using Santa Margarita Lake/Salinas Reservoir to its fullest before building new supplies.

For expanding the Reservoir, the rights to do so, currently held by the City of San Luis Obispo, would need to be granted to a regional agency or group in order to implement the project. Examples of this project would be to use the additional safe yield for timed releases to benefit downstream users, deliver directly via wheeling or exchange, or store for emergency use.

Managing releases and flows entails detaining high flows in order to maximize recharge into the groundwater basin and/or make use of flows that would otherwise exit the County.

4.7.11.2 Potential Cost of Salinas Reservoir Expansion/Exchanges

Major costs are for the structural modifications to the dam to meet standards and be able to retain the additional safe yield. There are likely administrative costs associated with maintaining the expansion right and subsequent storage right, contractual coordination and reservoir operations. Infrastructure to detain and utilize flows would be needed. If the additional safe yield was delivered directly, there may be costs associated with delivery infrastructure modifications/additions and/or wheeling charges.

4.7.11.3 Major Issues Facing Salinas Reservoir Expansion/Exchanges

Major structural improvements to the dam would be necessary to install the spillway gates and expand the reservoir which impacts the affordability of the project for its benefit. Also, the rights for expansion, originally with the City of San Luis Obispo, would need to be granted to the regional agency or group representing the expansion project beneficiaries by the State Board. The transfer of ownership of the dam from the Army Corps of Engineers to the District is under consideration, and may also impact the consideration of an expansion project. The legal/institutional ability to detain or extract water from the river during high flows would need to be investigated. Significant environmental impacts associated with expanding the reservoir are also anticipated. Any of the optimization options would require complex negotiations and institutional and financial arrangements related to, among other things, costs and priority of water stored. The affordability, potential participants/beneficiaries, and mechanism for funding the options for the optimizing the Salinas Reservoir would need to be considered and determined.

4.7.11.4 Recommendations to Facilitate Salinas Reservoir Expansion/Exchanges

Due to the cost of the project as compared to the benefit (increase in safe yield) and the water rights issues associated with expanding the reservoir or managing high flows, other options should be considered first for meeting water resources needs. Some investigation into the process and feasibility of implementing the project would be beneficial for determining whether the strategy is actually an option. This may include review of the structural modification requirements, consultation with the State Board, Army Corp of Engineers and City of San Luis Obispo and polling interested participants.

4.7.12 Desalination

Desalination comprises various water treatment processes for the removal of salt from water for beneficial use. Desalination is used to treat seawater as well as brackish water (water with a salinity that exceeds normally acceptable standards for municipal, domestic, and irrigation uses, but less than that of seawater). Desalination technologies are also used to treat polluted and impaired waters and as an advanced treatment of wastewater to produce high quality recycled water. In California, the principle method for desalination is reverse osmosis (RO). This process can be used to remove salt as well as specific contaminants in water such as trihalomethane precursors, volatile organic carbons, nitrates, and pathogens.

Only desalination for municipal purposes, that is, desalination used by public and private water agencies, is considered in the following discussion. Desalination used within an industrial and commercial manufacturing process is not considered since those applications of desalting generally involve treating fresh water to a higher standard than potable water to meet a specific need. For the purposes of this discussion, desalination plant capacity is expressed in terms of the fresh or potable water production capacity of the plant. Total costs are given in dollars per acre-foot of fresh potable water produced.

4.7.12.1.1 *Potential Benefits of Desalination*

In times of water scarcity and an ever-growing demand for fresh water due to population growth, and given current climate trends, water resources will become even more unevenly distributed as water-scarce regions experience more frequent and prolonged droughts. Desalination can be a reliable water supply alternative and a part of the solution for meeting current and future water needs. Conventional water sources are often limited by overdraft, depletion, pollution, and environmental requirements. Furthermore, traditional water supply management methods such as surface water storage, groundwater extraction, and inter-basin water transfer may not be sufficient to meet increasing water demand.

Desalination, when adopted as part of a diversified water supply portfolio, can offer several benefits including:

- Increase in water supply

- Reclamation and beneficial use of impaired waters
- Increased water supply reliability during drought periods
- Decreased need for imported water by developing a local supply source
- Diversification and increased reliability and operational flexibility of water supply sources
- Improved potable water quality
- Protection of public health
- Facilitate more recycling and reuse, given the lower salinity of the source

The primary benefit of desalting is to increase local water supply. Seawater desalting creates a new water supply by tapping the significant supply of feed water from the Pacific Ocean. In addition to seawater desalting, desalination technologies can be used to produce potable water from brackish waters as well as impaired waters. Many surface and groundwater sources are brackish-having high salinity levels-which can be naturally occurring due to the soil type and aquifer lithology or induced by man-made activities such as farming and overdraft of coastal aquifers causing seawater intrusion. Desalination was also proven to treat to very high levels of purity other water that may have low salinity but is impaired by high levels of specific contaminants such as nitrate. Accordingly, desalination in water resources planning is a unique tool serving both the water supply augmentation and water quality improvement strategies.

Desalting groundwater allows groundwater of impaired quality to be adequately treated for potable use. Groundwater desalting may or may not be a new water supply depending upon the water portfolio or balance in the area or region where it occurs. It is however, providing water from a source that is not currently being used for beneficial purposes.

Desalination can serve as an emergency water supply option. Desalination water produced by mobile water desalination units can provide emergency potable water supply for towns and communities during droughts or in response to an abrupt disruption of their water supplies. Mobile water desalination units are water treatment units-generally, Reverse Osmosis mobile desalination units- that can be truck-mounted or air-lifted, enabling the provision of short-term emergency water supply as well as supplemental supply for drought-stricken or disaster areas. These units can provide a flexible solution to water shortages as they can be quickly and easily deployed. Unlike permanent desalination plants, temporary mobile units can be commissioned, installed and put into production in a short period of time. They can also be quickly and easily decommissioned or moved to other locations should emergency or drought conditions ease.

4.7.12.1.2 *Potential Costs of Desalination*

Technological advances in desalination have in the last 20+ years significantly reduced the cost of desalinating water to levels that are comparable, and in some instance competitive,

with other alternatives for acquiring new water supplies. Proposition 50 grant funding cycles in 2005 and in 2006 funded a number of research and development programs directly related to desalting in California. Membrane technologies in the form of reverse osmosis (RO) have the most significant improvement. Continuing improvements in system design, membrane technology and energy efficiency and recovery have helped increase efficiency and reduce costs and energy demand. The RO process has been proven to produce high quality drinking water throughout the world for decades.

The cost of desalination depends on numerous factors that are often project-specific. Feed water characteristics are the greatest determinant of treatment cost. When planning desalination projects, it is important that cost estimates take into account the costs of concentrate management and intake systems, including environmental and permitting costs in addition to process costs (i.e., costs of pre-treatment, post-treatment, and main desalting process). The costs for the City of Morro Bay project were presented earlier in this chapter.

4.7.12.1.3 *Major Issues Facing Desalination*

Desalination has historically been prohibitively expensive. Improvements in technology and the rising cost of conventional water supplies have made desalination competitive with imported water and recycled municipal wastewater in a number of cases. As a result of the improved economics of desalination, other issues have increased in relative importance to cost, namely, environmental impacts and associated permitting (particularly for coastal plants).

Cost and Affordability. The cost will be influenced by the type of feed water, the available concentrate disposal options, the proximity to distribution systems, and the availability and cost of power. The higher costs of desalting may, in some cases, be offset by the benefits of increased water supply reliability and/or the environmental benefits from substituting desalination for a water supply with higher environmental costs. When comparing the cost and impacts of desalination as a water supply option, it is important to compare it to the development of other new water supply options.

Environmental Impact and Permitting. Brackish water desalination plants have fairly routine environmental and permitting requirements with the exception of the problematic issue of concentrate disposal in inland locations. Coastal desalination plants face much greater scrutiny. With a location within the coastal zone, and with the need for water intakes and outfalls, there are many reviewing agencies, organizations and permitting requirements.

Seawater Intakes. A primary concern associated with coastal with coastal desalination plants is the impact of feed water intake on aquatic life. Surface intakes of seawater result in impingement and entrainment of marine organisms. This impact can be avoided by adopting subterranean intakes wherever feasible. Existing seawater intakes for power plant cooling have been approved or are proposed as the source of supply for several of the currently proposed plants. Other projects are currently studying or testing alternative

seawater intake designs. It is worth noting here that the State Board is in the process of developing a statewide water quality control policy based on the Federal Clean Water Act (CWA) Section 316(b) regulations related to the use of coastal and estuarine waters for power plant cooling. However, given that desalination plants co-located with power plants typically draw water off of the system after thermal exchange, the State Water Board's released scoping documents consider that the subject is outside of the scope of CWA section 316(b) and would be more appropriately addressed under existing water quality control plans and policies. A stand-alone desalination facility will be required to apply for an NPDES permit to discharge waste brine.

Carbon Footprint. Given the energy intensity of advanced water treatment processes used to separate salts from water, energy consumption represents a major portion of the direct operation and maintenance expenses of a desalination plant. Energy efficiency will therefore be a key factor in assessing the viability of using desalination as a water supply option in California. Furthermore, efforts to reduce desalination energy use will significantly contribute toward the reduction of greenhouse gas (GHG) emissions from the many proposed desalination projects in California.

The carbon footprint of a desalination plant is mainly a translation of its energy consumption. The associated GHG emissions will be measured by the indirect CO_2 emissions from the electricity used by the plant. In instances where desalinated water is displacing other water supplies currently in use with their own GHG emissions, the net carbon footprint of desalination should be counted as the incremental GHG emissions beyond the current emissions baseline.

The average energy consumption of currently operational RO desalination facilities is estimated at about 1,800 kWh/AF for brackish water and 4,000 kWh/AF for seawater desalination. Using a conservative estimate of GHG emissions of 400 grams of carbon dioxide equivalents (CO_2eq) per kWh, the GHG emissions associated with an RO desalination plant operation are estimated to be 720 kg of CO_2eq/AF of desalinated brackish water and 1,600 kg of CO_2eq/AF of desalinated seawater.

Measures to help reduce the carbon footprint of desalination plants include efficiencies through energy recovery devices, high efficiency pumps, variable frequency drives, low-energy with improved salt rejection membranes, the use of renewable energy sources, and carbon offset plans. A recent demonstration led by the non-profit Affordable Desalination Collaboration showed that by using state-of-the-art energy recovery technology and high efficiency pumps and membranes, the energy required for seawater desalination can be substantially reduced to the range of 2,000-2,500 kWh/AF.

Growth Inducing Impacts. The availability of water has been a substantial limitation on development in a number of locations, primarily coastal communities. Since seawater desalination on the coast is now a more affordable option in comparison to the past the lack of water may no longer be as strong a constraint on coastal development. However, such a

concern is not restricted to desalination and would also be associated with any other new water supply option.

Concentrate Discharge. Desalination plants of any type produce a salt concentrate that must be discharged. The quantity and salinity of that discharge varies with the type of desalting plant and its operation. Brackish water plants in California discharge their concentrate to municipal wastewater treatment systems where they are treated and blended with effluent prior to discharge. For brackish water plants, this type of discharge is likely to continue. Inland desalting plants without a discharge to the ocean may be limited by the type of discharge options available. Seawater desalination produces a concentrate approximately twice as salty as seawater. In addition, residuals of other treatment chemicals may also be in the concentrate. Some plants currently being planned will use existing power plant or wastewater outfall systems to take advantage of dilution and mixing prior to discharge. The availability of power plant cooling systems to dilute the concentrate prior to discharge to the ocean will also be affected by the future of coastal power plants as discussed in the prior section. On the other hand, co-locating concentrate discharge with wastewater effluent outfall might have some environmental benefits to the extent that the concentrate from the desalination plant would increase the salinity of the wastewater effluent levels that are comparable or closer to the of seawater.

Energy Use. Desalination's primary operation cost is for power. A 50 mgd seawater plant would require approximately 33 MW of power. The reduction in unit energy use has been among the most dramatic improvements in recent years due to improvement in energy recovery systems. Additional improvements in energy use are expected.

Generally, the variance in energy requirements of RO desalination is a direct function of the salinity of the feed water source (total dissolved solids). As a result, given similar operating conditions and plant parameters, brackish water desalination is usually less energy intensive, and hence less costly, than seawater desalination.

Even though desalination is energy intensive, other conventional water supply options might in some instances be as energy intensive. At a given point of use, energy intensity of a water supply is the total amount of energy required for its extraction, treatment, and conveyance. Energy required for pumping and transporting water over long distances may be higher than that needed to desalinate local saline waters (e.g. delivering State Water Project). Due to continuing reductions in energy use, the energy needed at the end of the SWP pipe reaches levels that in some instances become comparable to the amount of energy needed to desalinate seawater.

4.7.12.1.4 *Recommendations to Facilitate Desalination*

1. Desalination should be considered, where economically and environmentally appropriate, as an element of a balanced water supply portfolio, which also includes conservation and water recycling to the maximum extent practicable.

2. Where appropriate, desalination must be considered by an integrated regional water management planning region in developing a strategy to meet resource management goals and objectives of the region.
3. Provide technical assistance, when available, to local agencies exploring desalination to help with the implementation of their desalination programs.
4. Provide guidance on permitting requirements to help local agencies pursuing desalination overcome the complex regulatory processes. There is a need for a state clearinghouse to serve as an information source and facilitator for desalination projects, particularly for seawater desalination.
5. Project sponsors should ensure adequate planning to include a collaborative process, which engages key stakeholders and the general public, as well as permitting agencies.

4.7.13 Lopez Lake Expansion/Exchanges

The Lopez Reservoir could be optimized by modifying the dam to increase the reservoir's safe yield or by using the reservoir conjunctively with other supplies for reliability/emergency storage purposes.

4.7.13.1 Potential Benefits of Lopez Reservoir Expansion/Exchanges

This strategy optimizes management of an existing supply resource and infrastructure by using Lopez Reservoir to its fullest before building new supplies.

For expanding the reservoir, examples of this project would be to use the additional safe yield for timed releases to benefit downstream users, deliver directly via wheeling or exchange, or store for emergency use.

Utilizing Lopez Reservoir for reliability/emergency storage purposes involves delivering another supply source when it is available and exceeds demand in lieu of Lopez Reservoir water. Lopez Reservoir water would be retained for use when the water is not available, when there is a drought, to address seawater intrusion or other emergency declaration per Water Code Section 350.

4.7.13.2 Potential Cost of Lopez Reservoir Expansion/Exchanges

Major costs are for the structural modifications to the dam to be able to retain the additional safe yield. There are likely administrative costs associated with obtaining the expansion right and subsequent storage right, contractual coordination and reservoir operations. If the additional safe yield was delivered directly, there may be costs associated with delivery infrastructure modifications/additions and/or wheeling charges. Costs associated with use of the reservoir for reliability/emergency storage purposes include those associated with delivery of the alternative water source and any reimbursement for use of the reservoir and any applicable infrastructure.

4.7.13.3 Major Issues Facing Lopez Reservoir Expansion/Exchanges

Structural improvements to the dam would be necessary to expand the reservoir which impacts the affordability of the project for its benefit. Also, the rights for expansion would need to be granted to the regional agency or group representing the expansion project beneficiaries by the State Board. Significant environmental impacts associated with expanding the reservoir are also anticipated. Any of the optimization options would require complex negotiations and institutional and financial arrangements related to, among other things, costs and priority of water stored. The affordability, potential participants/beneficiaries, and mechanism for funding the options for optimizing the Lopez Reservoir would need to be considered and determined.

4.7.13.4 Recommendations to Facilitate Lopez Reservoir Expansion/Exchanges

An investigation into the process and feasibility of implementing the project, and its cost and benefit, is currently being conducted by Flood Control Zone 3 agencies for determining whether the strategy is actually an option. The District should continue to coordinate with those agencies and other stakeholders on the evaluation of the expansion option with respect to other options.

Use of the reservoir for reliability/emergency storage was anticipated to occur in 2011 by delivering excess State Water in lieu of delivering Lopez Reservoir water and retaining water in the reservoir for use under an emergency declaration per Water Code Section 350 or to address seawater intrusion. Whether the program happens in 2011 or a subsequent year, this experience will would help to evaluate the option for use in the future.

4.7.14 New Off Stream Storage

Many water agencies rely on surface water surface storage as a part of their water systems, and reservoirs also play an important role in flood control and hydropower generation. Similarly, surface storage is often necessary for, or can increase the benefits from other water management strategies such as water transfers, conjunctive management, and conveyance improvement. Some reservoirs contribute to water deliveries across several regions across the state, while others only provide local water deliveries within the same watershed. There are two general categories of surface reservoirs: those formed by building a dam across an active river (on stream) and those called off-stream reservoir storage where the actual reservoir is in a separate geographic location away from the supply source, with water diverted or pumped into storage. This section will cover the second category.

Smaller reservoirs typically store water annually in the winter for use in summer, while larger reservoirs also hold stored water over several years as a reserve for drought or other emergencies.

4.7.14.1 Potential Benefits of Off Stream Surface Storage

Although the allocation of benefits for proposed off-stream surface storage can affect the occurrence and magnitude of different types of benefits, they generally can include:

- Water quality management
- System operational flexibility
- Hydroelectric power generation
- Flood management
- Ecosystem Management
- Sediment transport management
- Emergency water supply

The presence of new offstream surface storage could allow ecosystem and water managers the flexibility to take actions and make real-time decisions that would not be possible without the storage. Water transfers between regions could be easier if water can be released from storage at appropriate times and the receiving regions have reservoirs to store or use the transferred water. Surface storage can improve the effectiveness of conjunctive water management strategies by more effectively capturing supply that can ultimately be stored in or used in lieu of groundwater basins.

With regard to anticipated climate change impacts, new surface storage has the potential to provide greater flexibility for managing supplies to meet varied future water demands. By expanding surface storage capacity, water supply systems will have greater flexibility to use water that would normally go unused. Climate change projections foresee more extreme weather such as floods and droughts. Additional surface storage provides greater flexibility to capture and store floodwaters and hold water in reserve storage for dry years and droughts.

4.7.14.2 Potential Costs of New Off Stream Surface Storage

Costs for off stream storage include the infrastructure and land required for such facilities. Depending on the source of supply, appropriate location for the storage systems, time in storage and subsequent use of the water, there may be treatment requirements.

4.7.14.3 Major Issues Facing New Off Stream Storage

Funding. Construction usually requires a substantial amount of money in a short time. Included in the long-term capital outlay are planning costs such as administrative, engineering, legal, financing, permitting and mitigation, which can also require significant investments.

Impacts. New storage can affect environmental and human conditions and create economic impacts for the surrounding community. New reservoirs may result in the loss of property tax revenue to local governments in the area they are located or in an increase of local property values by firming up the water supply. Mitigation of environmental effects is normally accomplished through implementation strategies that avoid, minimize, rectify or reduce need to address impacts under the application of various laws, regulatory processes and statues.

Suitable Sites. The appropriate site for off-stream storage operations may not be a feasible location due to environmental issues or competing land use options, such as if it is prime agricultural land.

4.7.14.4 Recommendation to Increase Off Stream Surface Storage Benefits

1. Assess whether there are opportunities in the County for off stream storage systems.

4.7.15 Nipomo Supplemental Water Project

The Nipomo supplemental water project consists of waterlines, a pump station and reservoir, flow meter facilities and an interconnect between the City of Santa Maria and Nipomo Community Services District (Nipomo CSD) water systems that is designed to deliver 3,000 AFY. Subsequent distribution of the 3,000 AFY to various agencies in the Nipomo area, either directly or in lieu of Nipomo CSD pumping of groundwater, is shown below:

Nipomo CSD	2,169 AFY
Woodlands Mutual Water Company	415 AFY
Golden State Water Company	208 AFY
Rural Water Company	208 AFY

The project will utilize regional water supplies to slow the depletion of groundwater, reduce the potential for sea water intrusion, be consistent with the settlement agreement and the judgment related to the groundwater adjudication, and increase the reliability of water supply by providing a diversity of water sources.

This Master Water Report assumes the project will be implemented. The portion of the waterline that crosses under the Santa Maria River has a capacity of 6200 AFY, providing a potential for increased deliveries in the future to further benefit the groundwater basin in the Nipomo area.

The possible challenges with utilizing the additional capacity include:

- Negotiations between Nipomo area participants, the City of Santa Maria, Central Coast Water Authority, the District and DWR to determine a source of supply, which would likely include a portion of the District's excess State Water.

4.7.15.1 Potential Benefits of the Nipomo Supplemental Water Project

Putting the additional capacity of the waterline intertie to beneficial use would provide additional supplies to the San Luis Obispo County portion of the Santa Maria Groundwater Basin and offsetting demand on the groundwater basin. This strategy optimizes management of existing supply resources and infrastructure by using the intertie to the fullest extent before building new supplies.

4.7.15.2 Potential Cost of the Nipomo Supplemental Water Project

Costs are associated with procurement of the additional water supply and infrastructure needed to deliver the water. These would likely be a combination of new infrastructure and operation and maintenance costs, and reimbursement for use of existing capacity in the water supply systems.

4.7.15.3 Major Issues Facing the Nipomo Supplemental Water Project

Complex negotiations between Nipomo area participants, the City of Santa Maria, Central Coast Water Authority (CCWA), the District and DWR to determine a source of supply, which would likely include a portion of the District's excess State Water, would be required. Use of State Water as the source of supply would depend on the outcome of a capacity analysis of the Coastal Branch, opportunities for exchanges to free up existing District State Water allocations, priority of use of the State Water allocation based on District policies. The affordability, potential participants/beneficiaries, and mechanism for funding the use of the additional capacity in the intertie would need to be considered and determined.

4.7.15.4 Recommendations to Facilitate the Nipomo Supplemental Water Project

Include the consideration of optimizing the use of the intertie in optimizing the State Water Project as discussed above and continue to coordinate with stakeholders in the Nipomo area and CCWA.

4.7.16 Precipitation Enhancement

Precipitation enhancement, commonly called "cloud seeding," artificially stimulates clouds to produce more rainfall than they would naturally. Cloud seeding injects special substances into the clouds that enable raindrops to form more easily.

Winter orographic cloud seeding has been practiced in California since the early 1950s. Most of the projects are along the central and southern Sierra Nevada with some in the Coast Range. The projects generally use silver iodide as the active seeding agent, supplemented by dry ice if aerial seeding is done. Silver iodide can be applied from ground generators or from airplanes. Occasionally, other agents such as liquid propane are used. In recent years, some projects have been trying hygroscopic materials (substances that take up water from the air) as supplement seeding agents. Most of the projects suspend

operations during the very wet years once enough snow has accumulated to meet their water needs.

In San Luis Obispo County, the District participated in a three year program of cloud seeding with the City of San Luis Obispo during the drought of the early 1990s to benefit the Lopez and Salinas Reservoirs. The contract with the cloud seeding company was for the following amounts each year:

Year	Base Cost	Consumables Cost	Estimated Precipitation Increase	Target Reservoir
1	$66,000	Up to $31,520	12 to 16%, 2 inches	Lopez and Salinas
2	$108,000	Up to $44,440	11 to 14%, 1.5 inches	Lopez and Salinas
3	$30,400	Up to $12,000	13 to 17%, 4 inches	Lopez Only

In the third year, above average rainfall fell, and Salinas Reservoir was full and not included in the program. The 1993 analysis of costs was $13 per AF. Due to limitations of the Lopez Reservoir Dam at the time to go above 60 percent full, and the City of San Luis Obispo no longer pursuing cloud seeding for Salinas Reservoir, the District held off on pursuing the cloud seeding program pending consideration of joint efforts with Santa Barbara County, which was conducting a program that included benefitting Twitchell Reservoir. The District has not participated with Santa Barbara County in this effort. More recently, Monterey County has initiated efforts to potentially implement a cloud seeding program for the Nacimiento and San Antonio Watersheds.

State requirements for sponsors of weather modification projects consist of filing a Notice of Intention (NOI) initially and every five years for continuing projects, some record keeping by operators and annual or biennial reports to the California Department of Water Resources. The items to include in the NOI can be obtained from the DWR. In addition, sponsors need to comply with the California Environmental Quality Act (CEQA). Annual letter notices should also be sent to the board of supervisors of affected counties and to DWR. Activity reports are sent to the National Oceanic and Atmospheric Administration (NOAA) giving the number of days and hours of operation and the amount of seeding material applied.

4.7.16.1 Potential Benefits from Precipitation Enhancement

In California, all precipitation enhancement projects are intended to increase water supply or hydroelectric power. The amount of water produced is difficult to determine, but estimates range from a 2 to 15 percent increase in annual precipitation or runoff. A National Research Council (NRC) 2003 report on weather modification suggested that there is considerable evidence that winter orographic weather modification does work, possibly up to a 10 percent increase. Nearly half of the projects are conducted by utilities, so there is also substantial incremental benefit to hydroelectric power generation.

Cloud seeding has advantages over many other strategies for providing water. A project can be developed and implemented relatively quickly without multiyear lead times. Precipitation enhancement should not be viewed as a remedy for drought. Cloud seeding opportunities are generally fewer in dry years. It works better in combination with surface or groundwater storage to increase average supplies. In the very wet years, when sponsors already have enough water, cloud seeding operations are usually suspended.

4.7.16.2 Potential Cost of Precipitation Enhancement

Costs for cloud seeding are generally less than $20 per AFY. State law says that water gained from cloud seeding is treated the same as natural supply in regard to water rights.

4.7.16.3 Major Issues for Precipitation Enhancement

Operational Precision. It is difficult to accurately target the location and time of cloud seeding. There is an incomplete understanding of the effectiveness of the current targeting practices. Chemical tracer experiments have provided support for some targeting practices. New atmospheric measuring tools can be used in studies of new seeding agents, transport, and diffusion to improve operational precision.

Concern over Potential Impacts. Questions about potential unintended impacts from precipitation enhancement have been raised and addressed over the years. Common concerns related to downwind effects (enhancing precipitation in one area at the expense of those downwind), long-term toxic effects of silver and added snow removal costs in mountain counties. The United States Bureau of Reclamation (USBR) did extensive studies on these issues. The finding is reported in its Project Skywater programmatic environmental statement in 1977 and its Sierra Cooperative Pilot Project environmental impact statement in 1981. The available evidence does not show that seeding clouds with silver iodide causes a decrease in downwind precipitation; in fact, at times some of the increase of target area may extend up to 100 miles downwind.

The potential for eventual toxic effects of silver has not been shown to be a problem. According to the USBR, the small amounts used in cloud seeding do not compare to industry emissions of 100 times as much into the atmosphere in many parts of the country or individual exposure from tooth fillings. Watershed concentrations would be extremely low because only small amounts of seeding agent are used. Accumulations in the soil, vegetation, and surface runoff have not been large enough to measure above the natural background. Sampling at Upper Blue Lake and Salt Springs Reservoir showed very low to nondetectable concentrations in water and sediment. Similar results were found at Lake Almanor in testing water, sediment, and fish samples during the 2000 to 2003 period. Amounts were far below any toxic levels. And there was little to suggest bioaccumulation. Therefore, continued operations should not result in any significant chronic effect on sensitive aquatic regions.

All operating projects have suspension criteria designed to stop cloud seeding any time there is a flood threat.

Inadvertent Weather Modification. There is evidence that human activities such as biomass burning, transportation and agricultural and industrial activities modify local and sometimes regional weather. The effect of aerosols on clouds and precipitation is complex. Recent studies by Ramanathan and Rosenfeld suggest suppressed precipitation formation in affected clouds due to pollution and dust. Some aerosols can enhance precipitation and some, especially the very fine aerosols in diesel smoke, can reduce precipitation processes and the amount of impact as well as possible effects on cloud seeding programs. It is possible that some of the California cloud seeding projects have offset a potential loss in precipitation from air pollution, which may have obscured a more positive signal from the weather modification projects. Research work in Israel has demonstrated such effects.

4.7.16.4 Recommendations to Increase Precipitation Enhancement

1. The County should monitor, as appropriate, research on potential new seeding agents, particularly ones that work at higher temperatures. Climate change may limit the effectiveness of silver iodide, the most commonly used agent, which requires cloud temperatures well below freezing, around -5 C, to be effective.
2. The County should encourage DWR to support the efforts by California weather modification project sponsors, such as that proposed in 2002-03 by Santa Barbara County Water Agency, to obtain federal and state research funds for local research experiments built upon their operating cloud seeding projects.
3. Reconsider cloud seeding in coordination with appropriate agencies given the results of previous efforts and the other water management strategies.

4.7.17 New On Stream Storage

On stream surface storage uses reservoirs to collect water for later release and use. Many California water agencies rely on surface water surface storage as a part of their water systems, and reservoirs also play an important role in flood control and hydropower generation. Similarly, surface storage is often necessary for, or can increase the benefits from other water management strategies such as water transfers, conjunctive management, and conveyance improvement. Some reservoirs contribute to water deliveries across several regions across the state, while others only provide local water deliveries within the same watershed. There are two general categories of surface reservoirs: those formed by building a dam across an active river (on stream) and those called off stream reservoir storage where the actual reservoir is in a separate geographic location away from the source of supply, with water diverted or pumped into storage. This section will cover the first category.

Additional surface storage capacity can also be developed by enlarging, reoperation or modifying existing reservoirs and their outlet structures. Smaller reservoirs typically store water annually in the winter for use in summer, while larger reservoirs also hold stored water over several years as a reserve for drought or other emergencies.

During the past three decades, river habitats and instream flows downstream of many existing reservoirs have gradually received improved water benefits due to changes in reservoir releases resulting from new regulations and legislation. Specifically, the management of many existing reservoirs has been improved to achieve ecosystem and river recreation benefits beyond the original water supply needs. However, as the water demands for agricultural, urban, and environmental needs have grown, the operational flexibility of the surface water system has become more limited.

4.7.17.1 Potential Benefits of On Stream Surface Storage

Many reservoirs were originally built for the primary purposes of hydropower, flood control, and consumptive water use. Although the allocation of benefits for proposed surface storage can affect the occurrence and magnitude of different types of benefits, they generally can include:

- Water quality management
- System operational flexibility
- Hydroelectric power generation
- Flood management
- Ecosystem Management
- Sediment transport management
- River and lake Recreation
- Emergency water supply

The presence of new on stream surface storage could allow ecosystem and water managers the flexibility to take actions and make real-time decisions that would not be possible without the storage. Water transfers between regions could be easier if water can be released from upstream storage appropriate times and the receiving regions have reservoirs to store the transferred water. Surface storage can improve the effectiveness of conjunctive water management strategies by more effectively capturing runoff that can ultimately be stored in groundwater basins.

With regard to anticipated climate change impacts, new surface storage has the potential to provide greater flexibility for capturing surface water runoff and managing supplies to meet varied future water demands. By expanding surface storage capacity, water supply systems will have greater flexibility to capture more winter runoff and control larger floods. Climate change projections foresee more extreme weather such as floods and droughts. Additional

surface storage provides greater flexibility to capture and store floodwaters and hold water in reserve storage for dry years and droughts.

4.7.17.2 Potential Costs of New On Stream Surface Storage

Cost estimates for potential surface storage alternatives are not specified in this narrative because they vary extensively by region and specific project design. In most cases, the costs of multipurpose storage projects are shared by many beneficiaries, and often include State or federal cost-share component. The magnitude of individual project benefits and corresponding costs for new water supply, hydropower, water quality, and flood management can be expected to vary significantly from project to project, so that average cost information is not accurate.

4.7.17.3 Major Issues Facing New On Stream Storage

Funding. Construction usually requires a substantial amount of money in a short time. Included in the long-term capital outlay are planning costs such as administrative, engineering, legal, financing, permitting and mitigation, which can also require significant investments. Some new storage options, such as raising existing reservoirs, reoperating them, or constructing small local reservoirs, may require significantly less capital, but may require local funding through revenue or general obligation bonds. Even these less costly projects could face financial challenges.

Impacts. New storage can affect environmental and human conditions and create economic impacts for the surrounding community and flow impacts both up and downstream of diversions. New reservoirs may result in the loss of property tax revenue to local governments in the area they are located or in an increase of local property values by firming up the water supply. Regulatory and permitting requirements require surface storage investigations to consider potential impacts to the stream flow regimes, potential changes in stream geomorphology, loss of fish and wildlife habitat, and risk of failure during seismic and operational events. Existing environmental laws require that these types of effects be mitigated. Mitigation of environmental effects is normally accomplished through implementation strategies that avoid, minimize, rectify or reduce need to address impacts under the application of various laws, regulatory processes and statues such as Public Trust Doctrine, State dam safety standards, Area of Origin statues, California Environmental Quality Act, National Environmental Protection Act, the Clean Water Act, and the Endangered Species Act.

Suitable Sites. Most of the best natural reservoir sites in the County have already been developed and environmental and regulations and mitigation requirements impose significant constraints to development of new surface storage in the County. Sites that were identified but never developed include: Lower Jack Creek (gross storage of 15,000 to 28,000 acre feet), Santa Rita Creek (gross storage of 10,000 to 23,500 acre-feet). Several alternative reservoir sites were conceptually identified with an estimated gross storage of 7,000 to 12,200 acre-feet at Santa Rosa Creek, Lower San Simeon Creek, and Upper

Steiner Creek. The range of surface storage development operations is generally more limited for smaller local and regional agencies than for the state and federal government, because the limited agency funding and staff resources impact their capabilities to complete complex feasibility studies, design documents, environmental impact studies, and related project planning needs. These circumstances severely constrain the ability of local governments and agencies to finance and implement the projects necessary to sustain the local economy, preserve or restore riparian habitats and provide water supplies for regional population growth.

4.7.17.4 Recommendation to Increase On Stream Surface Storage Benefits

1. Reservoir operators and stakeholders should continue to adaptively manage operations of existing facilities in response to increased understanding of system complexities and demands as well as changes in natural and human considerations such as social values, hydrology, and climate change.
3. Water resources scientists, engineers, engineers, and planners, should recognize the potential long development time required for new surface storage in securing funding needed for continuity of planning, environmental studies, permitting, design, construction, and operation and maintenance.
4. Rehabilitation and possible enlargement of existing older dams and infrastructure should be given full consideration as an alternative to new storage.
5. As an alternative to new storage, agencies should consider the potential to develop water purchasing agreements to buy water from other agencies that own storage reservoirs with substantial water supplies.

4.8 SUMMARY ANALYSIS, CONCLUSIONS, RECOMMENDATIONS

This section presents a summary of the analysis and recommendations for improving water supply to meet existing and future demands throughout the County. The first few sub-sections below explore some of the regional recommendations that could be implemented County-wide to improve supply reliability and to improve the information contained in future master water reports. Following the regional recommendation discussion, there is a summary of the water demand and supply analysis by water planning area (WPA) for the three sub-regions. The WPA analysis presents support for implementing different water management strategies to meet existing and forecast demands, and to improve supply reliability.

4.8.1 Contingency Plan or Reliability Supply

It is suggested that each community in the County consider developing a contingency plan or reliability supply, if they have not already done so. The contingency plan or reliability supply can either be a dramatic reduction in demand to off-set the loss of a supply or an

additional supply above the build-out demand. Below are two discussions of contingency or reliability supply plans that could be implemented to maintain adequate services to residents in a community. The first discussion summarizes the successful water supply portfolio and general plan policies adopted by the City of San Luis Obispo to manage its supply sources. The second discussion is a general approach to achieve a reliability supply plan through a combination of emergency conservation and new supplies. Both of these discussions are simply examples that could be followed by water purveyors, but not all purveyors will have the ability to implement such programs.

An additional benefit with implementing a contingency or reliability supply plan is the ability to address the uncertainties with climate change and the potential impacts to water supply. As climate change and the potential effects on local and imported supplies are better understood, the contingency supply plans can be adjusted to improve the water supply management strategies. Without a reliability supply plan, a community may be unable to respond to extended periods of below average water supply resulting from climate change.

4.8.1.1 City of San Luis Obispo Reliability Reserve

The City of San Luis Obispo possesses sufficient available water supply to meet its primary water supply needs, and maintains a reliability reserve and secondary water supply. The following is an excerpt from Chapter 8 of the City of San Luis Obispo's General Plan (Revised July 6, 2010).

In 1991, during an extended drought, the community was within 18 months of running out of water in Salinas and Whale Rock Reservoirs. In fact, Salinas Reservoir was below minimum pool and was not available to the City of San Luis Obispo toward the end of this drought period. In 1996, citizens voted to incorporate Section 909 into the City's Charter identifying a water reliability reserve. In an effort to reduce the impacts of drought on the community, the City Council has enacted numerous water policies to strengthen its water resources portfolio.

The City will account for water supplies necessary to meet three specific community needs: 1) primary water supply; 2) reliability reserve; and 3) secondary water supply.

1) Primary water supply is the amount needed to meet the General Plan build-out of the City. The quantity of water needed for the City's primary water supply needs is calculated using a ten-year average of actual per-capita water use and the City's build-out population.

2) Reliability reserve provides a buffer for future unforeseen or unpredictable long-term impacts to the City's available water resources such as loss of yield from an existing water supply source and impacts due to climate change.

3) Secondary water supply is the amount needed to meet peak water demand periods or short-term loss of City water supply sources. The City's secondary water supply is

identified as any water supply resources above those needed to meet the primary water supply and reliability reserve.

The City's historical per capita usage water use has ranged from a high of 182 gallons per capita per day (gpcd) in 1987 to a low of 86 gpcd in 1991 (during mandatory water rationing). To project the City's primary water supply and reliability reserve into the future, an average per capita water use rate will be used, moderated by the use of the ten-year running average to normalize weather events. In 2010, the ten-year average is 123.2 gpcd. This water use rate is used with the City's build-out population and current population to project the primary water supply and reliability reserve. The City's remaining water resources make up secondary water supply, as shown in Table 4.53. The City has successfully managed its water supply resources to provide adequate service for its citizens during times of drought, and also maintain a reliability reserve to address unforeseen loss of yield from an existing supply, and preserve a secondary supply in case of short-term loss of a supply.

Table 4.53 City of San Luis Obispo 2010 Water Supply Accounting

Total Supply Availability, (AF)(1)	Primary Water Supply, (AF)(2)	Reliability Reserve (AF)(3)	Secondary Water Supply, (AF)(4)
9,950	7,894	1,241	816

Notes:
1. The "Total" water supply for 2010 is identified in Table 1, Chapter 8 of the City's General Plan. It includes safe annual yield from Salinas and Whale Rock Reservoirs, contractual limit from Nacimiento Reservoir, annual recycled water usage for 2009, and deducts siltation losses at Salinas and Whale Rock Reservoirs to 2060.
2. *Primary Water Supply* was calculated using the City's buildout population (57,200, per Land Use Element, General Plan Table 2, Anticipated City Population Growth, 2006) and the water use rate of 123.2 gallons per capita per day (a ten-year running average of the City's actual per capita water use), per policy A 5.2.2.
3. *Reliability Reserve* was calculated using the City's 2010 population (44,948, per CA Dept. of Finance, E-4 Population Estimates for Cities, Counties and the State, 2001-2010, with 2000 Benchmark. Sacramento, CA, May 2010) and 20 percent of the water use rate of 123.2 gallons per capita per day (a ten-year running average of the City's actual per capita water use), per policy A 5.2.3.
4. Secondary Water Supply includes the remaining water resources available in 2010, identified in Table 1, per policy A 5.2.4.

Source: City of San Luis Obispo Utilities Department, 2010.

In 1988, the City contracted with the engineering firm of Leedshill-Herkenhoff, Inc., to prepare a detailed analysis of the City's water supplies and create a computer model to estimate safe annual yield, based on coordinated operation of the Salinas and Whale Rock Reservoirs. In 1991, staff updated the computer model to examine the impact of the 1986-1991 drought on safe annual yield and revise the assumptions on the amount of water used from Whale Rock Reservoir each year to more accurately reflect the way the City actually used that resource. The analysis determined that the 1986-91 drought was the critical

drought of record for the two reservoirs. These revised assumptions resulted in a reduction in the safe annual yield estimate. The City's safe annual yield for 2010, from the coordinated operation of Salinas and Whale Rock Reservoirs is 6,940 acre feet. This includes reductions due to siltation at both reservoirs to the year 2010. The Nacimiento Water Project (3,380 AF), Recycled Water (130 AF), and reductions due to siltation (less 500 AF), along with the two reservoirs provide the 2010 Supply Availability of 9,950 AF presented in the table above.

4.8.1.2 Reliability Supply Goal

The City of San Luis Obispo's Reliability Reserve and Secondary Supply (combined) are equivalent to about 26 percent of the build-out demand or 20 percent of the 2010 water resource availability. It is suggested that all municipal agencies in the County consider developing an additional 15 to 20 percent supply (above the build-out demand) as a reliability reserve, similar to the City of San Luis Obispo, or develop a contingency plan that would provide the ability to manage future unforeseen or unpredictable long-term impacts to water resources. Different factors determine how much reliability is needed by an agency and each agency has the authority to implement this suggestion since it is not a requirement. This study did not evaluate or conclude how much reliability is needed for each agency.

Determining how much reliability reserve is necessary could depend on how much supply is at risk during an emergency. Since the supplies within the County vary from imported surface water, local surface water, groundwater, desalination, recycled water, and river extraction, determining how much supply is at risk varies for each agency and depends on the type of emergency. Agencies should evaluate the supply side risk (which resources could be lost in an emergency or drought) and demand side risk (which uses would be reduced or eliminated) to determine the necessary reliability reserve.

The next step is to determine how an agency would react to the emergency or drought. If agencies decide not to increase supplies similar to San Luis Obispo, then the other option could be to control demand and implement drastic emergency conservation measures to offset an unforeseen loss of a water resource. If a community could reduce its demands sufficiently to avoid the development of a reliability reserve supply, then drastic conservation becomes the emergency plan. Emergency conservation may not be sufficient by itself to make up for the loss of supply, but it would reduce the reliability reserve that an agency would need to implement. In this case, a mixture of severe conservation and the development of a reliability reserve supply would be necessary.

4.8.2 Regional Water Supply Strategies

The District, in coordination with appropriate entities, will lead the effort to optimize the use of unsubscribed State Project Water (SWP) or Nacimiento Project Water (NWP) to promote enhanced use of existing available resources that support local agency use and exchanges.

4.8.2.1 Interagency Arrangements and Exchanges

There are opportunities to move water within the County and to match demands with available sources at different times. An example of this is using the City of Morro Bay's newly installed brackish water reverse osmosis system. During certain months of the year, Morro Bay does not use any State Water. During these months, other agencies could take advantage of Morro Bay's allocation, provided the recipient of Morro Bay's State Water would be willing to return their allocation later in the year.

Other exchange opportunities (as previously described above) entail using unsubscribed water in exchange for a currently used water resource. Examples include:

- Connecting CMC or Cal Poly to the NWP and freeing up State Water and/or Whale Rock Reservoir water for use by others;
- The City of San Luis Obispo utilizing additional water from the NWP and freeing up Salinas Reservoir water for use by others;
- Delivering unsubscribed water to urban areas to free up groundwater for rural and/or agricultural users;
- Increasing SWP deliveries to CMC and freeing up Whale Rock Reservoir water for use by others; or
- Lopez Turn-out participants utilizing additional water from the SWP and freeing up Lopez Reservoir water for use by others.

Exchanges would allow those entities with water supply needs that would not feasibly be able to connect directly to the NWP or SWP to receive a supply from a source to which they are already connected, or whose connection would be more feasible. Such an exchange promotes use of existing water supply systems before developing new supplies. Below are examples of interagency arrangements and exchanges that could be implemented to optimize the County's overall water supply.

4.8.2.2 Chorro Valley Water System Connection to NWP

Connecting the Chorro Valley Water System to the Nacimiento Water Project could allow for more State Water and/or Whale Rock Reservoir delivery to North and South County areas. The majority of the infrastructure is built, but some improvements would be necessary to connect the Chorro Valley Water System to the NWP.

4.8.2.3 Santa Margarita Lake/Salinas Reservoir Release

The Santa Margarita Lake/Salinas Reservoir (Salinas Reservoir) fills quickly, and spills every two years (personal communication with City of San Luis Obispo staff). Therefore, the Salinas Reservoir presents an exchange opportunity to release water from the reservoir

that could be used to recharge the Paso Robles groundwater basin. In return, the City of San Luis Obispo would receive a certain amount of Nacimiento Project Water based on the Salinas Reservoir releases.

4.8.3 Water Conservation

A detailed discussion on the benefits, costs, and issues facing agricultural and urban conservation programs was presented earlier in this chapter. Water conservation programs are being implemented throughout the County. Most purveyors established water conservation programs during a prolonged drought in the early 90s. Purveyors should continue promoting conservation measures to their customers and teach conservation as a way of life in the County. All County purveyors should be members of the Partner in Water Conservation. Currently there are only 12 members in the County.

County departments should coordinate with appropriate entities to promote the use of conservation measures by rural and agricultural users. Since most rural and agricultural users do not receive water from a regional water wholesaler, the County is the logical entity to lead in implementing new programs to assist these users with reducing water use. The County should raise awareness and gain involvement of key groups and individuals throughout the County who could assist with this challenge. One group that is leading the effort to understand agricultural irrigation within the Paso Robles Groundwater Basin is the Paso Robles Wine Country Alliance (PRWCA) and another group that is leading the effort to improve agricultural irrigation efficiencies is the Central Coast Vineyard Team (CCVT). The CCVT, working with resource conservation districts (RCDs), can improve irrigation efficiencies via on-farm audits, education programs and mobile laboratory irrigation testing. Refer to Chapter 2 “Resource Agencies” for a discussion on other groups with whom to coordinate. Working with these groups would assist the County in:

- Increasing communication with the agricultural and rural community
- Increasing knowledge of supply limitations and findings of this study
- Establishing conservation goals for different groundwater basins throughout the County

4.8.4 Groundwater Evaluations

The perennial yield or safe basin yield of groundwater basins should be determined for those basins without an adequate or current estimate. If this value is determined, then each groundwater basin within the County would have an estimate of the rate at which water could be pumped from wells year after year without decreasing the groundwater in storage. The perennial yield could also be tied to the rate of replenishment or recharge to the basin that will not result in diminished storage (Perennial yield definition excerpt from the Revised Resource Capacity Study, Water Supply in the Paso Robles Groundwater Basin, October 2010).

Groundwater models are possible tools that could assist in the management of recharge and extraction to preserve supply resources. Once developed, these tools could be used to determine the perennial yield.

These basin management efforts are best implemented by forming basin stakeholder groups and developing a Groundwater Management Plan. Ideally, a participating agency would lead this effort and submit applications for groundwater management assistance grant programs.

4.8.5 Groundwater Banking/Recharge

In general, groundwater banking/recharge is not perceived as a long-term management strategy for use of unallocated supplies. The opportunity for banking supplemental water decreases as new subscribers are added to surface water supplies, such as the Nacimiento Water Project (NWP) or the State Water Project (SWP). Current contractors of NWP or SWP should consider maximizing their allotted use, which will reduce groundwater pumping. Once unallocated supplies are allocated, those participating agencies could then consider banking/recharge programs to improve the reliability and use of those supplies.

Groundwater banking is generally viewed as being difficult to implement and monitor if overlying land owners are not part of the banking project. Overlying land owners could extract water and benefit from a project that was funded by other parties. Or the operations of the banking project, if not designed and operated properly, could negatively affect neighboring overlying users. The costs to implement a water banking project are also very high when compared to the benefit.

4.8.6 Streamline Institutional Agreements

The cities and agencies within the County desire a simplified approach to transfer water between each other. A request was made that the District lead the development of a “boiler plate” agreement, or streamlined, standard process, which could then be used by local agencies to implement a transfer agreement. A similar agreement or process could also be developed for emergency intertie agreements. An example of how the process could be streamlined is by developing a memorandum of understanding (MOU) to establish the method for determining the equitable costs for a temporary transfer or emergency intertie.

4.8.7 Improving Agriculture Demand Estimate

The agriculture demand assessment was based in large part on the County Agriculture Commissioner’s Agricultural/Crop ArcGIS layer from August 2008. This information was used to determine existing agricultural acreage by crop group. This layer is updated each year with information from the pesticide use records obtained by the San Luis Obispo Department of Agriculture. According to the Agriculture Commissioner’s staff, the pesticide

use permits provide the most accurate information available regarding the location of planned commercial agricultural production during the year, but do not identify whether the specific crop was planted, whether irrigation was applied, the number of crop rotations for annual crops, and other factors critical to an accurate accounting of irrigated cropland (Isensee, 2009).

Future planning efforts need to include agricultural demands not captured in the Agriculture Commissioner's pesticide use reports GIS database. For example, irrigated pastures not intended for commercial sale but for private use are not included in the County's database, but are likely a large demand on the local groundwater supplies. An example is Water Planning Area 1 (San Simeon) where the calculated agricultural demand is fairly small, but there is a large irrigated pasture component that is not currently in the demand for WPA 1. The actual agricultural demand is likely greater than the calculated demand presented in this report. This report also does not account for livestock water use, which in some basins, could be a significant user. However, it would be difficult to accurately assess livestock water demand.

Future planning efforts should either develop more accurate agricultural demand estimates or complete a separate study that focuses solely on agricultural demands, and then incorporate the findings into future master water reports. Ideally, stakeholder groups established in each Water Planning Area would coordinate to refine these (and other) estimates on a watershed and groundwater basin basis for their area to better reflect whether there is enough supply to meet demand, as discussed in the next section. One example of a group that is leading the effort to understand agricultural irrigation within the Paso Robles Groundwater Basin is the UC Davis Cooperative Extension, with the support of the Paso Robles Wine Country Alliance and participating growers. Refer to Chapter 2 "Resource Agencies" for a discussion on other groups with whom to coordinate.

4.8.8 Improving Rural Demand Estimate

Similar to the agricultural demand estimate, the method for calculating the rural demand estimate should be improved. More accuracy in the rural demand estimate is achievable, provided water use information from rural customers is available. As part of the recommendations in the Resource Management System 2009 Annual Summary Report provided by the WRAC, the County Board of Supervisors adopted a set of actions that should result in more rural water use information being made available for future master water reports.

The adopted actions include, but are not limited to the installation of flow meters on non-agricultural wells, monthly water use recording and semi-annual reporting for water purveyors with as few as five connections, and the inclusion of some wells into the District's water well level monitoring program. The implementation of these requirements will result in actual water use data being used to develop better rural water demand projections.

4.8.9 Agricultural and Rural Users Water Management Strategies

County-wide, rural water demands represent less than five percent of the total urban, agriculture and rural demands. The range varies from a low of less than one percent (Los Osos WPA 5) to a high of 21 percent (Carrizo Plain WPA 10). Agricultural water demand represents about 80 percent of the total County demand (excluding environmental). The range varies from a low of 30 percent (San Luis Obispo/Avila WPA 6) to a high of nearly 100 percent (Huasna Valley WPA 8).

One challenge with developing water management strategies for rural and agricultural users is the lack of understanding between the demand location and the supply source. For example, for the Paso Robles Groundwater Basin, the District has a good understanding of where rural and agriculture demands are compared to the groundwater basin supply. Therefore, the Paso Robles Groundwater Basin study was able to develop a water demand and supply balance for the users within the basin. This is not the case for all basins within the County. A water balance evaluation should be conducted on a watershed and groundwater basin basis within the County to better understand the relationship between supply and demand within a water planning area's boundary. This Master Water Report evaluated demands on a water planning area level, but was not able to conclude whether or not rural or agricultural supplies are adequate to meet demands (i.e. "uncertain", as discussed below). Future studies should be focused on the watershed and basin level to arrive at the water balance. An alternative would be the preparation of a "stakeholder driven" watershed/groundwater basin management plan, such as the Groundwater Management Plan and Steering Committee formed for the Paso Robles Groundwater Basin Management, that could be used in future master water reports.

Another challenge with developing water management strategies for rural and agricultural users is the uncertainty of whether and how much groundwater is being extracted from defined basins (discussed in Section 3.3), versus how much groundwater is being supplied by wells that tap fractured rock aquifers or other non-basin sources. For example, the agricultural areas located west of the cities of Paso Robles and Templeton along Highway 46 West are outside the Paso Robles Groundwater Basin and Atascadero Groundwater Sub-basin. However, sufficient groundwater appears to exist to supply commercial agricultural operations currently, but it is unknown whether the groundwater can sustain operations into the future. Groundwater resources in some areas outside defined basins have been studied on a multiple-parcel basis for specific planning issues or for small public water systems, but in most cases hydrogeologic data is only generated when a new well is drilled or a property is sold. Generally, available information is limited to specific wells; formation-wide data related to aquifer yield, water quality, or water availability is not available.

Although the agricultural and rural water demands were quantified on a water planning area basis, there is too much uncertainty in the demand and the exact source of supply to arrive at a reasonable conclusion on whether an existing and/or future water supply exists for most water planning areas. In general, if there is a need for additional supply to meet rural and agricultural demands, the following water management strategies should be considered.

- Conservation
- Land use management (including low impact development and rainwater harvesting)
- Groundwater supply sources, including undefined fractured rock aquifers
- Off stream storage, including stock ponds
- Recycled water estimate. Recycled water presents a viable opportunity for direct delivery of irrigation water or for groundwater recharge/banking. Potential wastewater treatment plants being upgraded or constructed to provide tertiary treatment for recycled water include the City of Morro Bay and the community of Los Osos. The City of San Luis Obispo's existing water reclamation facility could be expanded to increase recycled water delivery. Other treatment plants that could be upgraded to produce recycled water and are located near large agricultural operations include the City of Paso Robles and the South San Luis Obispo County Sanitation District.
- Groundwater banking/recharge using recycled water, NWP or SWP supplies
- Desalination of brackish groundwater for areas like the Carrizo Plain

4.8.10 Environmental Water Management Strategy

Environmental water demand refers to the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. For this study, Environmental Water Demand is most commonly described and quantified in terms of instream flow requirements, i.e., the amount of water that must remain in the creek or river to support the various life stages of the target or indicator species. For the purposes of this analysis, the federally threatened south-central California coast steelhead (*Oncorhynchus mykiss*) was used as the primary indicator species.

Planning-level assessments such as this one do not take the complexity of natural systems into consideration. While the results provide a reasonable and scientifically supported estimate of the Environmental Water Demand for the purposes of water planning, site- and project-specific instream flow requirements need to be completed to be able to determine a water balance that accounted for environmental water demand on a water planning area basis in future master water reports. This would allow the environmental water demand to be quantified and represented on a sub-watershed or creek basis. The first steps in this effort are establishing appropriate data collection sites, identifying opportunities for coordination with appropriate entities on the effort, and prioritize these locations.

4.8.11 Unsubscribed State Water Project

The District is currently studying the hydraulic capacity of the State Water Project Coastal Branch to determine if sufficient capacity exists to transmit additional State Water to coastal communities. This effort is to identify the potential for the delivery of additional unsubscribed State Water. Use of unsubscribed SWP in the above exchange scenarios will also be considered in evaluating and negotiating the use of any extra capacity in the Coastal Branch.

4.8.12 North Coast Sub-Region

The discussion and analysis below presents the existing and forecast water demands and supplies, an evaluation of the water supply versus demand balance, identification of water management strategies and the potential for implementing a management strategy for each WPA. Note that the suggested water management strategies are not requirements, and most are consistent with existing water planning studies and options being considered by cities, communities and agencies.

As shown in the tables below, the water management strategies were assigned a Greater or Moderate designation to express their potential for implementation. These designations were presented to the WRAC and individual agencies for input on their validity. If a water management strategy had minimal potential for implementation or was not applicable, then a designation was not assigned. Below are the designation definitions used to evaluate the water management strategies and their ability to address the water supply need.

- Greater: Likely feasible and will address all or a major portion of the deficiency
- Moderate: Project may be feasible and may provide some level of supply to address the deficiency

4.8.12.1 <u>San Simeon WPA 1</u>

Groundwater is the primary water supply source for this WPA. The primary constraints on water availability in the basins in this WPA include physical limitations and potential water quality issues. Currently the Pico Creek Valley Groundwater Basin water supply of San Simeon CSD is at a certified Level III severity rating (resource capacity has been met or exceeded) due to the unreliability of the groundwater supply to meet existing demands (SLO County, 2008). As a result, a moratorium on development in San Simeon has been in place since 1991.

Groundwater levels for the groundwater basins in this WPA are likely highest during the wet season. They steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. During drought periods, creek flows are likely insufficient to adequately recharge the basins and groundwater levels could subsequently be lowered significantly due to pumping. Significant lowering of basin groundwater levels at or below sea level near the coast could lead to seawater intrusion and degradation of water quality.

4.8.12.1.1 *Water Management Strategies*

San Simeon CSD serves the primary population center and is the largest urban water user in this WPA. Seventy percent of water used by the San Simeon CSD is for commercial use (tourist/hotels). Due to the supply limitations of the Pico Creek Valley Groundwater Basin, an alternative supply is necessary to meet future demands. Water conservation measures have been fully implemented and there is minimal or no opportunity to further reduce water demands. As discussed above, further mandatory or emergency conservation would be used to off-set an emergency or reliability supply, not to support growth. Three water management strategies are likely the most feasible options to consider for San Simeon CSD's future water supply:

- Recycled water
- Groundwater supply sources (other than Pico Creek Valley Groundwater Basin)
- Desalination

San Simeon CSD plans to move forward with upgrading its wastewater treatment facility to use the treated effluent as recycled water for landscape irrigation and possibly commercial uses (not for seawater intrusion barrier). By July 2012, the facility will be producing Title 22 recycled water, but it will only be available to commercial trucks that connect to an on-site tank. The long-term plan is to construct a recycled water distribution system.

The Arroyo De La Cruz Groundwater Basin is a possible option for a future water supply. Unfortunately, published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. The safe basin yield should be determined as part of any investigation of this basin as a future water supply. This supply would likely serve as the best option for the future Hearst Ranch Hotel and Old Town San Simeon. Coordination with Hearst Ranch for delivering groundwater from this basin to San Simeon CSD would be required.

San Simeon CSD could also implement a desalination project (similar to one being considered by Cambria CSD). The implementation challenges would be similar to those experienced by Cambria CSD, which is the reason for this water management strategy receiving a moderate designation for implementation potential.

On stream storage has been proposed and evaluated in the past, and is not a likely option.

Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and groundwater banking/recharge (using recycled water).

Although the urban water demand is greater than the combined calculated agricultural and rural demands, the calculations do not account for livestock operations, and likely underestimates the actual agricultural demand. For example, Hearst Holdings Inc. makes up the majority of agriculture/rural land ownership in this WPA and has submitted surface water diversion reporting forms to the State Board estimating 1,829 AFY has been used for irrigation, for livestock and domestic purposes on their property. As discussed above in the Agricultural and Rural Water Management Strategies section, due to the uncertainty in determining the exact source of supply compared to the demand, it is difficult to determine whether a supply deficiency exists. Future master water reports should more accurately calculate agricultural demand and complete a water balance to gain a better understanding of potential supply deficiencies for non-urban water users.

If it is determined that a supply deficit exists, then rural and agricultural users are encouraged to implement conservation measures to reduce demands and/or extract water from other groundwater supplies. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and off stream storage.

Table 4.54 San Simeon WPA 1 Water Management Strategies				
	San Simeon CSD	**Agriculture**	**Rural**	**Environmental**
Demand				
Existing Demand (AFY)	108[1]	70[2]	20[2]	
Forecast Demand (AFY)	250[3][4]	10 - 60[2]	50[2]	
Supply				
Pico Creek Valley Basin (AFY)[5]	140	[6]	[6]	
San Carpoforo Valley Basin (AFY)[7]	0	Uncertain	Uncertain	
Arroyo De La Cruz Valley Basin (AFY)	0	[8][9]	[9]	
Other Groundwater Supply Sources (AFY)	Uncertain	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	[10]	[10]	
Total Supply (AFY)	**140**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)[16]				72,980
Unimpaired Mean Annual Discharge(AFY)[17]				104,490
Water Supply Versus Demand Balance	**Future Deficit**	**Uncertain[11]**	**Uncertain[11]**	**Uncertain[18]**
Water Management Strategies and Potential for Implementation				
Further Conservation	Fully Implemented[12]	**Greater**	**Greater**	

Table 4.54 San Simeon WPA 1 Water Management Strategies

	San Simeon CSD	Agriculture	Rural	Environmental
Unsubscribed Nacimiento Water Project[13]				
Land Use Management[19]	Moderate	Moderate	Moderate	
Recycled Water	**Greater**			
Optimize Use of State Water Project				
Groundwater Banking/Recharge	Moderate[14]			
Groundwater Supply Sources	**Greater**	**Greater**	**Greater**	
Salinas Reservoir Expansion/Exchange				
Desalination	Moderate			
Lopez Lake Expansion/Exchange				
New Off Stream Storage		Moderate		
Nipomo Supplemental Water Project				
Precipitation Enhancement				
New On Stream Storage[15]				

Notes:
1. Demands fluctuate between 70 and 140 AFY due to changes in tourism.
2. Agricultural and rural demand calculations do not account for livestock operations, and likely underestimates actual water demands. For example, Hearst Holdings Inc. makes up the majority of agriculture/rural land ownership in this WPA and has submitted surface water diversion reporting forms to the SWRCB estimating 1,829 AFY of irrigation, livestock and domestic usage for their property from surface sources.
3. Extensive conservation program in place. No further conservation expected at build-out by San Simeon CSD.

Table 4.54 San Simeon WPA 1 Water Management Strategies

	San Simeon CSD	Agriculture	Rural	Environmental

4. Most recent master plan forecast a build-out demand of 224 AFY, but San Simeon CSD's current build-out demand estimate is 250 AFY.
5. Estimated safe basin yield of Pico Creek underflow is 120 AFY
6. Seventy (70) AFY of Pico Creek livestock and domestic usage was reported by Hearst Holdings Inc. to the SWRCB in June 2010.
7. No estimates of basin yield exist
8. One thousand, six hundred seven (1,607) AFY of Arroyo De La Cruz Underflow is reported in the SWRCB diversion database as a permitted appropriative water right for Hearst Holdings Inc.
9. Estimated safe basin yield is 1,244 AFY and all pumping is for agricultural or rural users
10. Diversions from sources other than the three basins noted above total 238 AFY according to diversion reporting forms to the SWRCB from Hearst Holdings Inc. (June 2010) and the SWRCB diversion database.
11. It is uncertain whether an agricultural or rural supply deficit exists. If the users are drawing water from the San Carpoforo groundwater basin, then it is unlikely that a deficit exists. Future studies should invest the resources to determine which groundwater basins are used by the agricultural and rural water users.
12. See Note 3.
13. By exchange via Whale Rock and by building a pipeline from the reservoir.
14. Potential strategy using recycled water.
15. On stream storage was proposed for San Simeon Creek in previous studies.
16. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
17. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
18. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.
19. Includes Low Impact Development/Rainwater Harvesting.

4.8.12.2 Cambria WPA 2

Groundwater is the primary water supply source for this WPA. The primary constraints on the groundwater availability in this WPA include physical limitations and potential water quality issues. Currently the San Simeon Valley Groundwater Basin, which supplies water to the Cambria CSD, has a maximum extraction limit of 1,230 AFY set by the State Board. The Santa Rosa Valley Groundwater Basin, which also supplies Cambria CSD, has a maximum extraction limit of 518 AFY set by the State Board. Currently the water supply of Cambria CSD is at a Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands (Cambria CSD WMP, 2008).

Levels for the groundwater basins in this WPA are likely highest during the wet season. They steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. During drought periods, creek flows are likely insufficient to adequately recharge the basins and groundwater levels could subsequently be lowered significantly due to pumping. Significant lowering of basin groundwater levels at or below sea level near the coast could lead to seawater intrusion and degradation of water quality.

4.8.12.2.1 *Water Management Strategies*

Cambria CSD serves the primary population center and is the largest urban water user in this WPA. Due to the supply limitations of the San Simeon and Santa Rosa Valley Groundwater Basins, an alternative supply is necessary to meet existing seasonal deficits and future demands. Water conservation measures have been implemented and there is minimal opportunity to further reduce water demands. Further mandatory or emergency conservation would be used to off-set an emergency or reliability supply, not to support growth. Two water management strategies are likely the most feasible options to consider for Cambria CSD's future water supply:

- Desalination
- Recycled water

To meet the additional water supply needs and to increase water supply reliability, the Cambria CSD plans to construct a seawater desalination plent to produce up to 602 AFY. This plant would operate during the dry season to augment supply during that period of high demand. A decentralized recycled water program is also planned, with an estimated 180 AFY made available for unrestricted irrigation use.

Other water management strategies that received a moderate designation for implementation potential include further conservation and land use management (includes low impact development and rainwater harvesting).

Table 4.55 Cambria WPA 2 Water Management Strategies				
	Cambria CSD	**Agriculture**	**Rural**	**Environmental**
Demand				
Existing Demand (AFY)	706	640	100	
Forecast Demand (AFY)	1,009-1,514[1]	740-1,490	190-220	
Supply				
San Simeon Valley Basin (AFY)[2]	1,230[4][6]	Uncertain	Uncertain	
Santa Rosa Valley Basin (AFY)[3]	518[5][6]	Uncertain	Uncertain	
Villa Valley Basin (AFY)	0	[7]	[7]	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	[8]	[8]	
Total Supply (AFY)	**1,748**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)[13]				51,460
Unimpaired Mean Annual Discharge(AFY)[14]				87,050
Water Supply Versus Demand Balance	**Existing Seasonal and Future Deficit[9]**	**Possible Deficit[10]**	**Possible Deficit[10]**	**Uncertain[15]**
Water Management Strategies and Potential for Implementation				
Further Conservation	Moderate	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project[11]				
Land Use Management[16]	Moderate	Moderate	Moderate	

Table 4.55 Cambria WPA 2 Water Management Strategies				
	Cambria CSD	**Agriculture**	**Rural**	**Environmental**
Recycled Water	**180 AFY**			
Optimize Use of State Water Project				
Groundwater Banking/Recharge				
Groundwater Supply Sources		**Greater**	**Greater**	
Salinas Reservoir Expansion/Exchange				
Desalination	**602 AFY**			
Lopez Lake Expansion/Exchange				
New Off Stream Storage		Moderate		
Nipomo Supplemental Water Project				
Precipitation Enhancement				
New On Stream Storage(12)				

Notes:
1. The low end of the demand range for Cambria CSD represents maintaining current conservation practices and is the lowest demand scenario from the district's water master plan.
2. Estimated safe basin yield is 1,040 AFY
3. Estimated safe basin yield is 2,260 AFY
4. SWRCB allows Cambria CSD 1,230 AFY maximum extraction and 370 AF dry season extraction
5. SWRCB allows Cambria CSD 518 AFY maximum extraction and 260 AF dry season extraction
6. California Coastal Commission limits Cambria CSD total diversion from both San Simeon and Santa Rosa Creeks to 1,230 AFY
7. Estimated safe basin yield is 1,000 AFY and all pumping is for agricultural or rural users
8. Diversions do not distinguish type of use. Potentially 158 AFY could be diverted for use to either agriculture or rural residential.
9. Although the existing annual supply and demand indicates a surplus, the dry season extraction limit creates a seasonal supply deficit.
10. It is uncertain whether an agricultural or rural supply deficit exists. If the users are drawing water from the Villa Valley groundwater basin, then the demands are approaching the basin yield. Future studies should invest the resources to determine which groundwater basins are used by the agricultural and rural water users.
11. By exchange and building a pipeline from Whale Rock Reservoir.

Table 4.55 Cambria WPA 2 Water Management Strategies				
	Cambria CSD	**Agriculture**	**Rural**	**Environmental**
12. On stream storage was proposed for San Simeon Creek in previous studies. 13. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species. 14. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation. 15. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams. 16. Includes Low Impact Development/Rainwater Harvesting.				

4.8.12.3 Cayucos WPA 3

Whale Rock Reservoir is the primary source of supply for urban users and groundwater is the primary water supply source for agriculture and rural users in this WPA. The primary constraints on the groundwater availability in this WPA include physical limitations and potential water quality issues. The shallow alluvial deposits that characterize these groundwater basins are typically more susceptible to drought impacts than deeper formation aquifers. They have less groundwater storage and consequently have less capacity for resource utilization and banking. Water level and well capacity declines during drought periods limit water availability, and sea water intrusion is the primary constraint in the lower portions of the basins.

Whale Rock Reservoir is part of the Old Valley Groundwater Basin. Basin groundwater users downstream of the reservoir include members of the Cayucos Area Water Organization (CAWO). The combined groundwater and Whale Rock Reservoir surface water allocation for CAWO in Old Valley is 600 AFY.

4.8.12.3.1 *Water Management Strategies*

CAWO members, which include Morro Rock Mutual Water Company (Morro Rock MWC), Paso Robles Beach Water Association (PRBWA), County Service Area 10A (CSA 10A), the Cayucos Cemetery District (CCD), are the primary urban users within this WPA. Whale Rock Reservoir allocations to CAWO members are sufficient to provide existing demands and meet forecast build-out demands. CSA 10A has procured an additional entitlement of 25 AFY through the Nacimiento Water Project. This water will be taken from the Whale Rock Reservoir in an exchange agreement with the City of San Luis Obispo. The agreement allows up to 90 AFY to be exchanged, which may be a way to address any future needs of the CAWO. Nacimiento Water Project water could be delivered to Morro Rock MWC or Paso Robles Beach Water Association as part of this arrangement.

Table 4.56 Cayucos WPA 3 Water Management Strategies

	Morro Rock MWC[1]	Paso Robles Beach Water Association[1]	CSA 10A[1]	Cayucos Cemetery District[1]	Agriculture	Rural	Environmental
Demand							
Existing Demand (AFY)	121	163	132	16	520	80	
Forecast Demand (AFY)	164-173	207-218	220-232	17-18	430-800	130-140	
Supply							
Whale Rock (Supplies Urban Demands) (AFY)	170	222	190	18	0	0	
Whale Rock (Supplies Mainini Ranch and Ogle) (AFY)	-	-	-	-	64	0	
Nacimiento Water Project (2010) (AFY)[2]	0	0	25 - 90	0	0	0	
Cayucos Valley Basin (AFY)	0	0	0	0	[3]	[3]	
Old Valley Basin (AFY)[4]	-	-	-	-	-	-	
Toro Valley Basin (AFY)	0	0	0	0	[5]	[5]	
Other Groundwater Supply Sources (AFY)	0	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	3[6]	0	0	0	[7]	[7]	
Total Supply (AFY)	**173**	**222**	**215 - 280**	**18**	**Uncertain**	**Uncertain**	
Environmental Water Demand							
Environmental Water Demand (AFY)[10]							26,160
Unimpaired Mean Annual Discharge (AFY)[11]							33,340
Water Supply Versus Demand Balance	**At Supply Limit**	**At Supply Limit**	**At Supply Limit**	**At Supply Limit**	**Uncertain[8]**	**Uncertain[8]**	**Uncertain[12]**
Water Management Strategies and Potential for Implementation							
Further Conservation	Moderate	Moderate	Moderate	Moderate	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project	**Greater[2]**	**Greater[2]**	**Greater[2]**				
Land Use Management[9]	Moderate	Moderate	Moderate		Moderate	Moderate	
Recycled Water							
Optimize Use of State Water Project							
Groundwater Banking/Recharge							

Table 4.56 Cayucos WPA 3 Water Management Strategies

	Morro Rock MWC[1]	Paso Robles Beach Water Association[1]	CSA 10A[1]	Cayucos Cemetery District[1]	Agriculture	Rural	Environmental
Groundwater Supply Sources	Moderate[6]				**Greater**	**Greater**	
Salinas Reservoir Expansion/Exchange							
Desalination							
Lopez Lake Expansion/Exchange							
New Off Stream Storage					Moderate		
Nipomo Supplemental Water Project							
Precipitation Enhancement							
New On Stream Storage							

Notes:
1. The Cayucos Area Water Organization includes the Morro Rock MWC, the Paso Robles Beach Water Association, CSA 10A, and the Cayucos Cemetery District. The low end of the forecast demand range assumes 5% additional conservation (beyond what has already been accomplished) at build-out.
2. CSA 10A has procured 25 - 90 AFY of Nacimiento Water Project via exchange with City of San Luis Obispo for Whale Rock Reservoir water. Agreement provisions allow for up to 90 AFY of NWP if necessary. Nacimiento water could be delivered to Morro Rock MWC or Paso Robles Beach Water Association, as part of this arrangement.
3. Estimated safe basin yield is 600 AFY and the majority of pumping is for agricultural or rural users, but a small public water system does serve a mobile home park.
4. Includes Whale Rock Reservoir. Most of the wells extract water that is replenished by recharge from Whale Rock Reservoir. Water drawn from these wells is also limited by the 664 AFY entitlement from Whale Rock Reservoir. Note that CAWO agencies receive water directly from the reservoir via pipeline and the treatment plant.
5. Estimated safe basin yield is 500 AFY and the majority of pumping is for agricultural or rural users
6. Only 3 AFY is diverted for a school and park irrigation, but up to 56 AFY is the permitted diversion from Little Cayucos Creek underflow. 56 AFY is part of the 600 AFY safe basin yield for the Cayucos Valley Basin. Due to water quality, the remaining 53 AFY could be used for domestic supply following treatment.
7. Diversions do not distinguish type of use. Potentially 65 AFY could be diverted for use to either agriculture or rural residential.
8. It is uncertain but unlikely that an existing agricultural or rural supply deficit exists. The yield from the Cayucos Valley and Toro Valley basins exceed existing demand. It is possible that future demands could exceed supply. Future studies should invest the resources to determine which groundwater basins are used by the agricultural and rural water users.
9. Includes Low Impact Development/Rainwater Harvesting.
10. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
11. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
12. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

Since the forecast build-out demands will push the CAWO members to their supply limit, an alternative supply should be developed as a reliability reserve. Water conservation measures provide minimal opportunity to further reduce water demands. Further mandatory or emergency conservation would be used to off-set an emergency or reliability supply, not to support growth. The most viable option for a reliability reserve supply is the NWP, since the existing agreement with CSA 10A allows up to 90 AFY to be exchanged.

Other water management strategies that received a moderate designation for implementation potential include further conservation and land use management (includes low impact development and rainwater harvesting).

The combination of full 90 AFY NWP exchange and emergency conservation measures would provide the CAWO members with reliability reserve.

4.8.12.4 Morro Bay WPA 4

This WPA uses a diverse blend of surface water (local and imported), groundwater, desalination, and State Board permitted water diversions. The City of Morro Bay and the agencies that make up the Chorro Valley Water System (CMC, Cuesta College, Camp San Luis Obispo, and County Operations Center/Office of Education) represent the urban users in this WPA.

The primary constraints on groundwater availability in this WPA include physical limitations, water quality issues, and water rights. Shallow alluvial deposits are typically more susceptible to drought impacts. For the upper Morro Valley and Chorro Valley Groundwater Basins, water level and well capacity declines during drought periods limit the availability of the resource, while in the lower valley area, sea water intrusion would be the primary constraint. Elevated nitrates are a constraint for drinking water availability at the City of Morro Bay well field, where appropriative water right permits from the State Board also limit production. The State Board permitted allocation allows withdrawals from the Chorro Basin only when creek flows exceed 1.4 cubic feet per second (cfs). Nevertheless, strategic management of these sources should allow the City of Morro Bay to reliably extract 581 AFY from the Morro Basin and 566 AFY from the wells that penetrate the Chorro Basin, for a total of 1,147 AFY, even in dry years.

The State Water Project provides water to the City of Morro Bay, CMC, County Operations Center/Office of Education, and Cuesta College. The SWP shuts down for annual maintenance activities each fall/winter during which the City of Morro Bay has used its alternative supplies. In 2008, the SWP shutdown took place when groundwater quality issues were limiting the City of Morro Bay’s use of well water. The shortfall was made up for through an agreement with CMC to provide the Morro Bay with water during that period. In

addition, The SWP is considered a supplementary source of water supply since hydrologic variability, maintenance schedules, and repair requirements can cause reduced deliveries or complete shut down of the delivery system. Since delivery to the Central Coast began, the SWP has provided between 50 and 100 percent of the contracted allocations, but recently, the drought coupled with pumping restrictions in consideration of endangered species habitat lowered that amount to 35 percent in 2008 and 40 percent in 2009. This Master Water Report assumed an average allocation of 66 percent of the contract water service amount for determining supply.

CMC, Camp San Luis Obispo, and County Operations Center/Office of Education also receive water from Whale Rock and Chorro Reservoirs. Raw lake water is pumped from Whale Rock to CMC for treatment. The net storage capacity of both of these reservoirs has decreased due to siltation. Flow must also be maintained in Chorro Creek downstream of the reservoir for riparian habitat enhancement.

Although not a surface water supply counted in the demand/supply balance for this WPA, the Salinas Reservoir waterline was extended from the Cuesta Water Tunnel to the Chorro Reservoir as part of the original improvements in World War II. The pipeline has only been used to convey water from the Salinas Reservoir to Camp San Luis Obispo twice since construction, but is available for emergency conditions.

More detailed discussion on the water rights and related agreements between the various agencies in this WPA is provided in section 3.7.6.

4.8.12.4.1 *Water Management Strategies*

The City of Morro Bay and the Chorro Valley Water System are the primary population centers and urban water users in this WPA. As shown in Table 4.57 below, these users have adequate supply to meet existing and forecast demands. However, during a SWP shut down for annual maintenance, the City of Morro Bay experienced a supply shortfall that was made up through an agreement with CMC to provide the Morro Bay with water during that period.

The purveyors in this WPA should consider enhancing their contingency or reliability supply. Due to the diversity in water supply sources, Morro Bay and the Chorro Valley Water System have several likely feasible options to consider (listed below). Water conservation measures have been fully implemented in Morro Bay and there is minimal or no opportunity to further reduce water demands. However, conservation is an option for the Chorro Valley Water System. As discussed above, further mandatory or emergency conservation would be used to off-set an emergency or reliability supply, not to support growth.

- Further conservation (Chorro Valley Water System)
- Unsubscribed Nacimiento Water Project
- Recycled water
- Optimized use of State Water Project
- Desalination

Morro Bay modernized its desalination plant to restore its full capacity, and it could double the capacity if necessary for future reliability needs. It is also interested in an additional 750 AFY of State Water Project and 1,500 AFY of Drought Buffer, if it became available. Other potential future supplies include the jointly operated Morro Bay - Cayucos Sanitary District Wastewater Treatment Plant. The plant is slated for a major upgrade in 2014. Production of tertiary effluent will be provided, and thus could be a source of future water recycling to augment water supplies.

The Chorro Valley Water System could implement conservation measures to reduce its water demand. CMC is considering participation in the Nacimiento Water Project. CMC has contacted the District requesting from 200 AFY to 400 AFY of Nacimiento Water for future supply reliability and minor demand increases. CMC and Cuesta College have also expressed interest in any State Water that may become available.

These additional supplies are not required to satisfy an existing or anticipated future demand, but to develop a reliability reserve, or to develop a contingency plan that would provide the ability to manage future unforeseen or unpredictable long-term impacts to water resources. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting), groundwater banking/recharge, and Salinas Reservoir Expansion/Exchange.

Table 4.57 Morro Bay WPA 4 Water Management Strategies

	Morro Bay	CMC[2]	Camp San Luis Obispo (National Guard)[2]	County Operations Center/Office of Education[2]	Cuesta College[2]	Agriculture	Rural	Environmental
Demand								
Existing Demand (AFY)	1,620[1]	1,135	138	94	125	2,060	120	
Forecast Demand (AFY)	2,040[1]	1,135	138	94	125	1,690 - 2,440	190 - 220	
Supply								
State Water Project (AFY)[3]	1,313	735[4]	0	150[4]	140[4]	0	0	
Desalination Plant (AFY)	645	0	0	0	0	0	0	
Whale Rock Reservoir (AFY)	0[5]	420	0	25[6]	0	0	0	
Chorro Reservoir (AFY)	0	25[7]	140	0	0	25[8]	0	
Morro Valley Basin (AFY)[9]	581	0	0	0	0	Uncertain[9]	Uncertain[9]	
Chorro Valley Basin (AFY)[10]	566	0	200[11]	0	0	Uncertain[10]	Uncertain[10]	
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	Uncertain	Uncertain	
Recycled Water (AFY)	0	0	0	0	0	0	275[12]	
SWRCB Water Diversions (AFY)	0	0	0	3	0	[13]	[13]	
Total Supply (AFY)	**3,105**	**1,180**	**340**	**178**	**140**	**Uncertain**	**Uncertain**	
Environmental Water Demand								
Environmental Water Demand (AFY)[21]								27,880
Unimpaired Mean Annual Discharge (AFY)[22]								43,430
Water Supply Versus Demand Balance	**Adequate Supply, but Possible Deficit[14]**	**Adequate Supply**	**At Supply Limit[15]**	**Adequate Supply[16]**	**Adequate Supply**	**Uncertain[17]**	**Uncertain[17]**	**Uncertain[23]**
Water Management Strategies and Potential for Implementation								
Further Conservation		**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project	Moderate[18]	**200 - 400 AFY**	Moderate[18]		Moderate[18]			

Table 4.57 Morro Bay WPA 4 Water Management Strategies

	Morro Bay	CMC[2]	Camp San Luis Obispo (National Guard)[2]	County Operations Center/Office of Education[2]	Cuesta College[2]	Agriculture	Rural	Environmental
Land Use Management[19]	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	
Recycled Water	**Greater**[20]	Existing		Existing		Moderate[20]	Moderate[20]	
Optimize Use of State Water Project	**750 AFY**	**Greater**			**Greater**			
Groundwater Banking/Recharge	Moderate[20]					Moderate[20]	Moderate[20]	
Groundwater Supply Sources						**Greater**	**Greater**	
Salinas Reservoir Expansion/Exchange		Moderate	Moderate					
Desalination	**645 AFY**							
Lopez Lake Expansion/Exchange								
New Off Stream Storage						Moderate		
Nipomo Supplemental Water Project								
Precipitation Enhancement								
New On Stream Storage								

Notes:
1. Water demands based on the 2005 Urban Water Management Plan (UWMP), which will be updated for the 2010 UWMP. Year 2009 demands were less than 1,620 AFY.
2. Part of Chorro Valley Water System.
3. State Water Project average allocation assumed 66 percent of contract water service amount.
4. CMC receives 60 AFY of Cuesta College 200 AFY allocation. County Operations Center provides up to 275 AFY from their 425 AFY State Water Project allocation to CMC. Totals in table reflect these agreements.
5. Mutual aid agreements with CMC and Whale Rock Commission for emergency supply only.
6. 25 AFY of Whale Rock water provided by CMC as part of the County Well No. 1 development agreement.
7. Rights to any Chorro Reservoir excess from Camp San Luis Obispo.
8. Mainini Ranch has agreement with Camp San Luis Obispo for a delivery of up to 25 AFY.
9. Estimated safe basin yield is 1,500 AFY and the groundwater is used by urban, agriculture and rural users.
10. Perennial yield estimated at 2,210 AFY and the groundwater is used by urban, agriculture and rural users.
11. County Well No. 1.
12. Dairy Creek Golf Course owned and operated by the County of San Luis Obispo.
13. Diversions do not distinguish type of use. Potentially 475 AFY could be diverted for use to either agriculture or rural residential.
14. State Water Project annual maintenance and summer peak demands could create water supply deficits that requires Morro Bay to use lower quality groundwater and more expensive treatment measures.
15. Additional 200 AFY when County Well No. 1 is operating.
16. Surplus increases from 56 to 81 AFY when County Well No. 1 is operating.
17. It is uncertain but unlikely that an existing agricultural or rural supply deficit exists. The yield from the Morro Valley and Chorro Valley basins exceed existing demand. It is possible that future demands could exceed supply. Future studies should invest the resources to determine which groundwater basins are used by the agricultural and rural water users. Also, since SWRCB diversions account for a large supply, quantifying the locations of these sources would be beneficial.
18. By exchange for Whale Rock Reservoir water.

Table 4.57 Morro Bay WPA 4 Water Management Strategies

	Morro Bay	CMC[2]	Camp San Luis Obispo (National Guard)[2]	County Operations Center/Office of Education[2]	Cuesta College[2]	Agriculture	Rural	Environmental

19. Includes Low Impact Development/Rainwater Harvesting.
20. The effluent from the upgrade to the Morro Bay/Cayucos Sanitation District Wastewater Treatment plant may benefit Morro Bay and/or surrounding agricultural and rural lands.
21. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
22. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
23. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.8.12.5 Los Osos WPA 5

The Los Osos Valley Groundwater Basin is the primary water supply source for this WPA. The primary constraint on water availability in this groundwater basin is deteriorating water quality due to sea water intrusion and nitrate contamination. The County of San Luis Obispo Planning Department has determined that the basin is currently at a certified Level III severity rating (resource capacity has been met or exceeded) due to sea water intrusion.

4.8.12.5.1 *Water Management Strategies*

Basin groundwater users in the Los Osos Valley Groundwater Basin include Golden State Water Company, S&T Mutual, the Los Osos Community Services District, and overlying users. The three local water purveyors, along with the County of San Luis Obispo, are currently preparing a Basin Management Plan under a court-approved Interlocutory Stipulated Judgment (ISJ).

One of the proposed strategies for mitigating sea water intrusion involves shifting production from lower aquifer wells near the coast to wells closer to or within the Los Osos Creek Valley. This approach will balance the distribution of pumping between the upper and lower aquifers to mitigate sea water intrusion. Other strategies involve future wastewater disposal/reuse options and increased conservation. The Los Osos wastewater project, one of the primary tools in future groundwater basin management, is being planned by the County to reduce nitrate loading in the basin, to provide wastewater reuse opportunities within the basin, and to help resolve the Level III water availability shortage. The community of Los Osos has been subject to a building moratorium since 1988, which has resulted in only limited development.

The County Planning Department has implemented an indoor retrofit-upon-sale program as a result of the Level of Severity III certification. A mandatory fixture replacement program, which is part of the wastewater treatment facility project, will replace all toilets and urinals in the wastewater service area with low-flow devices. This action could reduce overall water consumption by 20 to 25 percent, with similar reductions expected in wastewater flows. The objective of fixture replacement program is to reduce indoor water use to 50 gallons per capita per day within the wastewater service area.

The strategies discussed above are likely the most feasible options to consider for Los Osos. Other water management strategies include:

- Land use management
- Groundwater banking/recharge
- Groundwater supply resources

Table 4.58 Los Osos WPA 5 Water Management Strategies						
	Los Osos CSD	**S&T MWC**	**Golden State Water Company**	**Agriculture**	**Rural**	**Environmental**
Demand						
Existing Demand (AFY)	951	94	998	3,290	20	
Forecast Demand (AFY)	835-1,044[1]	77-96[1]	1,384-1,730[1]	2,750-3,770	20	
Supply						
Los Osos Valley Basin (AFY)	(2)	(2)	(2)	(2)	(2)	
Other Groundwater Supply Sources (AFY)	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	(3)	(3)	
Total Supply (AFY)	(2)	(2)	(2)	(2)	(2)	
Environmental Water Demand						
Environmental Water Demand (AFY)[7]						7,040
Unimpaired Mean Annual Discharge (AFY)[8]						8,200
Water Supply Versus Demand Balance	**(4)**	**(4)**	**(4)**	**(4)**	**(4)**	**Uncertain[9]**
Water Management Strategies and Potential for Implementation						
Further Conservation	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project						

Table 4.58 Los Osos WPA 5 Water Management Strategies

	Los Osos CSD	S&T MWC	Golden State Water Company	Agriculture	Rural	Environmental
Land Use Management[5]	**Greater**	**Greater**	**Greater**	Moderate	Moderate	
Recycled Water	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Optimize Use of State Water Project						
Groundwater Banking/Recharge	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Groundwater Supply Sources	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Salinas Reservoir Expansion/ Exchange						
Desalination[6]						
Lopez Lake Expansion/Exchange						
New Off Stream Storage				Moderate		
Nipomo Supplemental Water Project						
Precipitation Enhancement						
New On Stream Storage						

Notes:
1. The low end of the forecast demand range assumes 20 percent additional conservation (beyond what has already been accomplished) at build-out of current general plan.
2. Estimated safe basin yield is 3,200 AFY and all pumping is for urban, agricultural or rural users. Purveyors have 2,100 AFY available for their use. The remaining 1,100 AFY is used for agricultural irrigation, private domestic use, and golf course irrigation (Los Osos Groundwater Basin Update, ISJ

Table 4.58 Los Osos WPA 5 Water Management Strategies

	Los Osos CSD	S&T MWC	Golden State Water Company	Agriculture	Rural	Environmental

Working Group, May 4, 2010).

3. Diversions do not distinguish type of use. Potentially 46 AFY could be diverted for use to either agriculture or rural residential.
4. The Los Osos water purveyors and the County of San Luis Obispo have released an update on the Los Osos Groundwater Basin. The work was prepared under the Interlocutory Stipulated Judgment (ISJ) agreement, which is a Court directed process to resolve the lawsuit filed as a result of seawater intrusion in the Los Osos Groundwater Basin. The parties to the ISJ agreement are preparing a Basin Management Plan (BMP) to address the seawater intrusion problem and provide for sustainable use of the water supply for Los Osos. One of the goals of the Basin Management Plan is to quantify each party's rights to rely on the basin's water resources.
5. Includes Low Impact Development/Rainwater Harvesting.
6. Brackish water treatment
7. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
8. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
9. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.8.13 South Coast Sub-Region

4.8.13.1 San Luis Obispo/Avila WPA 6

This WPA uses a diverse blend of surface water (local and imported), groundwater, and recycled water. The City of San Luis Obispo, Cal Poly, Avila Beach CSD, Avila Valley MWC, San Miguelito MWC, CSA 12, and Port San Luis represent the urban users in this WPA.

The San Luis Valley and Avila Valley Sub-basins do not provide a significant supply to the urban users when compared to the surface water supplies. The primary constraints on water availability in the San Luis Valley Sub-basin include physical limitations, water quality issues, and environmental demand. The shallow alluvial deposits are typically more susceptible to drought impacts. Elevated nitrates are a constraint for drinking water availability at some of the City of San Luis Obispo wells. Similar constraints on water availability are experienced in the Avila Valley Sub-basin.

The State Water Project provides water to the Avila Beach CSD, Avila Valley MWC, San Miguelito MWC, and CSA 12. The SWP is considered a supplementary source of water supply since hydrologic variability, maintenance schedules, and repair requirements can cause reduced deliveries or complete shut down of the delivery system. Since delivery to the Central Coast began, the SWP has provided between 50 and 100 percent of the contracted allocations, but recently, the drought coupled with pumping restrictions in consideration of endangered species habitat lowered that amount to 35 percent in 2008 and 40 percent in 2009. This Master Water Report assumed an average allocation of 66 percent of contract water service amount for determining supply.

Whale Rock Reservoir supplies water to San Luis Obispo and Cal Poly. Raw lake water is pumped from Whale Rock to the City of San Luis Obispo for treatment. The City of San Luis Obispo operates the Salinas Reservoir and Whale Rock Reservoir in a coordinated manner to maximize the available water from these sources. The combined yield from the two reservoirs can be maximized by utilizing water from Salinas as the City of San Luis Obispo's primary source, and using Whale Rock as a backup source. This approach increases the long-term water supply from these two sources (excerpt from City's General Plan, revised July 2010).

Lopez Lake Reservoir supplies water to Avila Beach CSD, Avila Valley MWC, and CSA 12.

Future water sources include the Nacimiento Water Project, which is scheduled to go online in 2010/11, will supply up to 3,380 AFY to the City of San Luis Obispo.

The City of San Luis Obispo's Water Reclamation Facility currently delivers 130 AFY, but will deliver up to 1,000 AFY of recycled water for irrigation and other approved uses in the future.

4.8.13.1.1 *Water Management Strategies*

The City of San Luis Obispo maintains sufficient supply to meet existing and anticipated future demands, and provide a reliability supply. The other urban users are either at their supply limit or could experience a future deficit, except for Port San Luis. Port San Luis possesses sufficient supply for existing and anticipated future demands.

Cal Poly, Avila Beach CSD, Avila Valley MWC, San Miguelito MWC, and CSA 12 should consider enhancing their water supply to meet build-out demands or to provide contingency or reliability supply. Water conservation measures could be increased at Cal Poly to reduce the amount of additional supply needed. Otherwise, Cal Poly will continue to rely on Whale Rock Reservoir. Further conservation measures are an option for the other water purveyors, but additional conservation is not expected to result in a large demand reduction. Further mandatory or emergency conservation would be used to off-set an emergency or reliability supply, not to support growth.

Optimizing the use of State Water Project water is the management strategy that is likely the most feasible option to consider for Avila Beach CSD, Avila Valley MWC, San Miguelito MWC, and CSA 12. Further consideration should be given to the Interagency Arrangements and Exchanges discussed in Section 3.9.2 to move water within the County and to match demands with available sources at different times during the year.

Other water management strategies that received a moderate designation for implementation potential include:

- Unsubscribed Nacimiento Water Project
- Land use management
- Recycled water
- Salinas Reservoir Expansion/Recharge
- Desalination
- Lopez Lake Expansion/Exchange

Table 4.59 San Luis Obispo/Avila WPA 6 Water Management Strategies

	San Luis Obispo (includes airport)	Cal Poly San Luis Obispo	Avila Beach CSD	Avila Valley MWC	San Miguelito MWC	CSA-12	Port San Luis	Agriculture	Rural	Environmental
Demand										
Existing Demand (AFY)	6,389	1,040	51	32	263	68	35	3,610	450	
Forecast Demand (AFY)	7,499-7,894[1]	1,479-1,557[1]	162-170[1][17]	30-32[1]	373-393[1]	65-68[1]	33 - 35[1]	2,810–4,120	610–660	
Supply										
State Water Project (AFY)[2]	0	0	66[3]	20	275	7[4]	0	0	0	
Whale Rock Reservoir (AFY)	6,940[5]	1,384[6]	0	0	0	0	0	0	0	
Salinas Reservoir (AFY)	[5]	0	0	0	0	0	0	0	0	
Nacimiento Water Project (AFY)	3,380[7]	0	0	0	0	0	0	0	0	
Lopez Lake Reservoir (AFY)	0	0	68	12	0	61	100	0	0	
San Luis Valley Sub-basin (AFY)[8]	100	unmetered[9]	0	0	0	0	0	Uncertain[8]	Uncertain[8]	
Avila Valley Sub-basin (AFY)[10]	0	0	0	Uncertain	118	Uncertain[11]	0	Uncertain[10]	Uncertain[10]	
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	0	0	Uncertain	Uncertain	
Recycled Water (AFY)	130[16]	0	0	0	0	0	0	0	0	
SWRCB Water Diversions (AFY)	0	45	0[12]	0	0	0	0	[13]	[13]	
Loss of Availability due to Siltation to 2060 (AFY)	-500	0	0	0	0	0	0	0	0	
Total Supply (AFY)	**9,950[15]**	**1,429**	**134**	**32**	**393**	**68**	**100**	**Uncertain**	**Uncertain**	
Environmental Water Demand										
Environmental Water Demand (AFY)[19]										33,030
Unimpaired Mean Annual Discharge (AFY)[20]										45,820

Table 4.59 San Luis Obispo/Avila WPA 6 Water Management Strategies

	San Luis Obispo (includes airport)	Cal Poly San Luis Obispo	Avila Beach CSD	Avila Valley MWC	San Miguelito MWC	CSA-12	Port San Luis	Agriculture	Rural	Environmental
Water Supply Versus Demand Balance	**Adequate Supply[15]**	**At Supply Limit[9]**	**Future Deficit**	**At Supply Limit**	**At Supply Limit**	**At Supply Limit**	**Adequate Supply**	**Uncertain[14]**	**Uncertain[14]**	**Uncertain[21]**
Water Management Strategies and Potential for Implementation										
Further Conservation	Moderate (0 - 5% more)	**Greater**	Moderate	Moderate	Moderate	Moderate	Moderate	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project	Moderate[22]	Moderate								
Land Use Management[18]	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	
Recycled Water	**870 AFY[16]**	Moderate	Moderate		Moderate			**Greater[16]**		
Optimize Use of State Water Project			**Greater**	**20-40 AFY interest**	**10 AFY interest**	**30 AFY interest**				
Groundwater Banking/Recharge										
Groundwater Supply Sources										
Salinas Reservoir Expansion/ Exchange	Moderate[22]									
Desalination			Moderate							
Lopez Lake Expansion/Exchange			Moderate	Moderate	Moderate	Moderate	Moderate[22]			
New Off Stream Storage								Moderate		
Nipomo Supplemental Water Project										
Precipitation Enhancement										
New On Stream Storage										

Notes:
1. The low end of the forecast demand range assumes 5% additional conservation (beyond what has already been accomplished) at build-out for all urban users.
2. State Water Project average allocation assumed 66 percent of contract water service amount.
3. Avila Beach CSD has a 100 AFY allocation, but no drought buffer. Therefore, the 66 percent assumption for State Water Project delivery is 66 AFY.
4. Seven (7) AFY of SWP water allocated to the San Luis Coastal Unified School District.
5. The City of San Luis Obispo's withdrawals from the Salinas Reservoir are coordinated with Whale Rock Reservoir. San Luis Obispo's combined safe yield of the two reservoirs was 6,940 AFY in 2010.
6. Includes 600 AFY of treated water delivered from the City of San Luis Obispo.
7. Nacimiento Water Project is scheduled to go online in 2010/11.
8. Estimated safe basin yield is 2,000 AFY and all pumping is for urban, agricultural or rural users. The City of San Luis Obispo's use is approximately 100 AFY, but the City does not consider their 500 AFY share of the safe yield as part of its water resource availability. The remaining 1,500 AFY is available for other urban users, agricultural irrigation, and private domestic use.
9. Cal Poly's agricultural wells contribute to the supply but are not metered. It is likely that the groundwater supply and on-going conservation measures would eliminate the possible future deficit.
10. No basin yield numbers have been published for the Avila Valley Sub-basin.
11. Individual water users within CSA 12 boundary could request an exemption to install a private well and pump water from the Avila Valley Sub-basin. It is unknown the number of users with private wells, but it is likely minimal.
12. SWRCB water diversions database lists “Avila Beach County Water District” (now Avila Beach CSD) for 80 AFY from Canyon Creek underflow. The conditions were that Avila Beach CSD cannot use Canyon Creek Underflow as a supply once they have State Water. The creek diversion is no longer a source of supply for them.

Table 4.59 San Luis Obispo/Avila WPA 6 Water Management Strategies

	San Luis Obispo (includes airport)	Cal Poly San Luis Obispo	Avila Beach CSD	Avila Valley MWC	San Miguelito MWC	CSA-12	Port San Luis	Agriculture	Rural	Environmental

13. Diversions do not distinguish type of use. Potentially 207 AFY could be diverted for use to either agriculture or rural residential.
14. It is uncertain whether an existing agricultural or rural supply deficit exists. Not enough information exists to determine whether the yield from the San Luis Valley and Avila Valley basins exceed existing demand. It is possible that future demands could exceed supply. Future studies should invest the resources to determine which groundwater basins are used by the agricultural and rural water users.
15. City of San Luis Obispo's supply portfolio includes groundwater, but due to limitations on its use, the City will not consider this supply as part of its water resource availability. Siltation is expected to reduce reservoir capacity and supply by 10 acre-feet per year, or 500 af by year 2060. The water supply surplus calculation accounts for reduction in water availability due to siltation. The City includes a reliability reserve in their water supply portfolio.
16. The City's current recycled water use is 130 AFY. Expansion of the City of San Luis Obispo Water Reclamation Facility could make 4,690 AFY of recycled water available for use, but the current plans are to use only 1,000 AFY in the future. City has been approached about using recycled water for agriculture irrigation. Recycled water for agricultural usage provides the added benefit of maintaining an agricultural buffer around the City.
17. One hundred seventy (170) AFY includes 20 AFY from projected Tank Farm Development.
18. Includes Low Impact Development/Rainwater Harvesting.
19. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
20. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
21. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.
22. Exchange programs with these resources may be an option if needed in the future

4.8.13.2 South Coast WPA 7

The discussion for this WPA is broken down into:

- Edna Valley (Golden State Water Company)
- Northern Cities Management Area
- Nipomo Mesa Management Area
- Santa Maria Valley Management Area

4.8.13.2.1 *Edna Valley*

The Edna Valley Sub-basin groundwater users include Golden State Water Company, San Luis Country Club (golf course), a few small public water systems, agricultural growers, and private residences. The primary constraints on water availability in the Edna Valley portion of the basin are physical limitations and environmental demand. Lowering groundwater levels due to production in the basin may impact base flows to Pismo Creek, which support steelhead habitat. Another supply source is the wastewater treatment plant's recycled water effluent for irrigation, which is delivered to the golf course.

Additional water conservation measures should be implemented to reduce water demands. Other water management strategies include land use management.

4.8.13.2.2 *Northern Cities Management Area*

This WPA uses a diverse blend of surface water (local and imported) and groundwater. Pismo Beach, Arroyo Grande, Grover Beach and Oceano CSD, small public water systems (including Halcyon Water System), Lucia Mar Unified School District, and residential and agricultural overlying users represent the groundwater users in this WPA.

The Arroyo Grande Plain Hydrologic Sub-area (part of the Santa Maria Valley Groundwater Basin) provides from 30 to 100 percent of the water supply for the urban users. The groundwater extraction rights are shared by agreement with Pismo Beach, the City of Arroyo Grande, the City of Grover Beach, and the Oceano CSD. As party to the Santa Maria Valley Groundwater Basin litigation, extraction rights may be increased or decreased at a future date. Groundwater availability in the NCMA is primarily constrained by water quality issues and water rights. Basin sediments in the management area extend offshore along several miles of coastline, where sea water intrusion is the greatest potential threat to the supply. The major purveyors have agreed to share the water resources through a cooperative agreement that also sets aside water for agricultural use and for basin outflow, although the amount allocated for basin outflow has been deemed unreasonably low (Todd, 2007). Following the detection of evidence of seawater intrusion in 2009, the NCMA water purveyors worked cooperatively with each other and the District to reduce groundwater pumping. This approach included the following management strategies:

- Increased surface water use through delivery of surplus supplies from Lopez reservoir
- Expanded conservation programs and customer education
- Negotiations to secure an emergency allocation of additional State Water Project supplies, if needed
- Hydraulic evaluation and maintenance of the Lopez pipeline
- Increased groundwater monitoring
- Expanded regional cooperation

Going forward, the NCMA water purveyors plan to implement several initiatives to improve the long-term sustainability of their water supplies. These initiatives could include:

- Development of a groundwater model for the Santa Maria Valley Groundwater Basin
- Pursuit of additional permanent and emergency allocations of State Water Project supplies
- Enhanced conjunctive use of the groundwater basin
- Regional recycled water projects

All four cities receive Zone 3 Lopez Lake water as a contractual supply. Environmental protection issues may call for increased or decreased releases to Lopez Creek, potentially reducing or increasing the allotment available for the cities. Pismo Beach and Oceano CSD also receive SWP via contract with the District and delivery through Zone 3 facilities.

The City of Arroyo Grande also extracts groundwater from the Pismo Formation, which is outside the NCMA and receives water by a transfer agreement to purchase 100 AFY of Oceano CSD supplies from groundwater or Lopez Lake water. This temporary agreement ends in 2014.

Water conservation measures should be implemented to the fullest extent possible. Mandatory or emergency conservation measures would be used to off-set the need for additional or reliability supply, not to support growth.

Oceano CSD maintains adequate supply to meet existing and forecast build-out demands. With sufficient conservation, Oceano CSD should have adequate supply to not only meet its customer's needs, but also maintain a reliability supply. Oceano CSD's participation in the District's drought buffer program for State Water would improve water supply reliability in the event of drastic cut backs in SWP supplies.

The cities of Pismo Beach, Arroyo Grande, and Grover Beach have sufficient supply to meet existing demands, but would need to implement permanent conservation measures to meet forecast demands. The cities could experience a possible future supply deficit. To address this need, optimization of State Water supplies, recycled water, and groundwater banking/recharge are considered the most feasible water management strategy options to consider implementing.

Pismo Beach, in coordination with the NCMA, is also investigating the feasibility of increasing the safe yield of Lopez Reservoir. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting), groundwater supply sources and desalination.

If recycled water is not feasible for urban customers only, then a multi-use project could include urban and agriculture delivery from the South San Luis Obispo County or City of Pismo Beach WWTP.

4.8.13.2.3 *Nipomo Mesa Management Area*

This WPA uses groundwater for its primary supply and recycled water to a lesser extent. When the Nipomo supplemental water project comes on-line, it will provide imported water to this WPA. Groundwater users in the Nipomo Mesa Management Area include Golden State Water Company, Rural Water Company, Woodlands Mutual Water Company (MWC), ConocoPhillips, Nipomo Community Services District (Nipomo CSD), Lucia Mar Unified School District, small public water systems (serving residential, industrial and nursery/greenhouse operations), and commercial, agricultural and residential overlying users represent the groundwater users in this WPA.

Groundwater is pumped from the Nipomo Mesa Hydrologic Sub-area that is part of the Santa Maria Valley Groundwater Basin. Litigation involving use of this groundwater basin, which began in 1997, has resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights for Golden State Water Company, Rural Water Company, Woodlands MWC, ConocoPhillips and Nipomo CSD may be affected at a future date. In addition, the stipulated judgment required these users (except for ConocoPhillips) to develop alternative sources to import a minimum of 2,500 AFY. More detail on the agreement and mandated minimum delivery is presented in Section 3.7.7 above.

The primary constraints on water availability in the NMMA are physical limitations to the east, water quality on the west, and water rights. The base of permeable sediments rises toward the eastern boundary of the area, reducing groundwater in storage and increasing the susceptibility of wells to drought impacts and associated water level declines. To the west, where deeper sediments allow for greater storage fluctuations, sea water intrusion would limit the available fresh water. The Nipomo Mesa area is currently in a certified Level of Severity III for water supply (resource capacity has been met or exceeded), as defined by San Luis Obispo County.

Rural Water Company and Woodland MWC use recycled water for golf course irrigation.

Water conservation measures should be implemented to the fullest extent possible. Mandatory or emergency conservation measures would be used to off-set the need for additional or reliability supply, not to support growth.

Even with additional conservation measures in place, Golden State Water Company, Rural Water Company, Woodlands MWC, and Nipomo CSD could experience supply deficits if groundwater is insufficient to meet increases in demands. To address this need, recycled water, investigating other groundwater supply sources, and increasing delivery from the Nipomo supplemental water project are considered the most feasible water management strategy options to consider implementing.

Other water management strategies that received a moderate designation for implementation potential include:

- Land use management
- Optimize use of State Water Project
- Groundwater banking/recharge
- Desalination

4.8.13.2.4 *Santa Maria Valley Management Area*

The Santa Maria Valley Management Area (SMVMA) is part of the Santa Maria Valley groundwater basin adjudicated area and spans both San Luis Obispo and Santa Barbara Counties. Basin groundwater users in the San Luis Obispo County portion of the SMVMA consist primarily of agricultural overlying users, with some residential overlying users and a small public water system. The primary constraints on water availability in the San Luis Obispo County portion of the SMVMA are water quality and water rights. A natural outflow of fresh water must be maintained, both in the deeper aquifer zones where sea water pressures are greatest, and in the shallow alluvial zones where irrigation returns are concentrated. The operation of Twitchell Reservoir and the Superior Court Stipulated Judgment and Judgment after Trial affect groundwater availability.

Although there are no urban users in this WPA, the rural and agricultural users are encouraged to implement conservation measures to reduce demands. A water management strategy that could serve agricultural users is a recycled water project with one of the water purveyors in the NMMA. Land use management (includes low impact development and rainwater harvesting) received a moderate designation for implementation potential.

Table 4.60 South Coast WPA 7 Water Management Strategies

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach [1]	Arroyo Grande [1]	Grover Beach [1]	Oceano CSD[1]	Agriculture	Rural	Golden State Water Company[17]	Nipomo CSD[17]	Rural Water Company[17]	Woodlands Mutual Water Company[17]	Conoco Phillips[17]	Agriculture[17]	Rural[17]	Agriculture /Rural	Agriculture	Rural	Environmental
Demand																		
Existing Demand (AFY)	410	1,944 [2]	2,956[2]	1,787[2]	855[2]	2,056[2][3]	38	1,290[18]	2,698[27]	880[18]	810[18]	1,200[18]	3,800[18]	1,700[18]	25,540/37	19,920	1,480	
Forecast Demand (AFY)	434-482	2,679-2,977 [20]	3,735-4,150[20]	1,892-2,500[20]	1,277-1,419[20]	2,742	38	1,750-1,944[20]	2,984	Not Available	1,440-1,600[20]	1,260-1,400[20]	3,800-4,300	1,700	25,540/110	16,610-23,830	1,990-2,160	
Supply																		
State Water Project (AFY)[4]	0	1,240	0	0	495[6]	0	0	0	0	0	0	0	0	0	0	0	0	
Lopez Lake Reservoir (AFY)	0	896	2,290	800	303	0	0	0	0	0	0	0	0	0	0	0	0	
Edna Valley Sub-basin (AFY)[7]	410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pismo Creek Valley Sub-basin (AFY)[8]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Arroyo Grande Plain Hydrologic Sub-area (part of Santa Maria Valley Groundwater Basin (AFY)[9]	0	700	1,202	1,198+225[14]	900	5,300[9]	36	0	0	0	0	0	0	0	0	Uncertain	Uncertain	
Arroyo Grande Valley Sub-basin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Uncertain	Uncertain	
Agricultural Land Conversion Credit (AFY)[10]	0	0	112	209	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 4.60 South Coast WPA 7 Water Management Strategies

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach [1]	Arroyo Grande [1]	Grover Beach [1]	Oceano CSD[1]	Agriculture	Rural	Golden State Water Company[17]	Nipomo CSD[17]	Rural Water Company[17]	Woodlands Mutual Water Company[17]	Conoco Phillips[17]	Agriculture[17]	Rural[17]	Agriculture /Rural	Agriculture	Rural	Environmental
Transfers (AFY)[11]	0	0	100	0	-100	0	0	0	0	0	0	0	0	0	0	0	0	
Pismo Formation outside the NCMA (AFY)	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	Uncertain	Uncertain	
Nipomo Supplemental Water Project (AFY)[12]	0	0	0	0	0	0	0	208	2,167	208	417	0	0	0	0	0	0	
Nipomo Mesa Hydrologic Sub-area (part of Santa Maria Valley Groundwater Basin) (AFY)[13]	0	0	0	0	0	0	0	1,082	457	622	365	1,400	4,300	1,700	0	Uncertain	Uncertain	
Other Groundwater Supply Sources (AFY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,540/37	Uncertain	Uncertain	
Recycled Water (AFY)	87[19]	0	0	0	0	0	0	0	60-74	49-50	24-28	0	0	0	0	0	0	
SWRCB Water Diversions (AFY)	0	0	0	0	0	[15]	[15]	0	0	0	0	0	[15]	[15]	[15]	0	0	
Total Supply (AFY)	**482**	**2,836**	**3,794**	**2,432**	**1,598**	**Uncertain**	**Uncertain**	**1,290**	**2,698**	**880**	**810**	**1,400**	**Uncertain**	**Uncertain**	**Uncertain**	**Uncertain**	**Uncertain**	
Environmental Water Demand																		
Environmental Water Demand (AFY)[23]																		32,960

Table 4.60 South Coast WPA 7 Water Management Strategies

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach [1]	Arroyo Grande [1]	Grover Beach [1]	Oceano CSD[1]	Agriculture	Rural	Golden State Water Company[17]	Nipomo CSD[17]	Rural Water Company[17]	Woodlands Mutual Water Company[17]	Conoco Phillips[17]	Agriculture[17]	Rural[17]	Agriculture /Rural	Agriculture	Rural	Environmental
Unimpaired Mean Annual Discharge (AFY)[24]																		49,100
Water Supply Versus Demand Balance	**At Supply Limit**	**Possible Future Deficit[16]**	**Possible Future Deficit[16]**	**Possible Future Deficit[16]**	**Adequate Supply[16]**	**(16)**	**(16)**	**Possible Future Deficit[16]**	**Possible Future Deficit[16]**	**Possible Future Deficit[16]**	**Possible Future Deficit[16]**	**(16)**	**(16)**	**(16)**	**(16)**	**Uncertain**	**Uncertain**	**Uncertain[25]**
Water Management Strategies and Potential for Implementation																		
Further Conservation	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project																		
Land Use Management[22]	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate		Moderate	Moderate	Moderate	Moderate	Moderate	
Recycled Water	Existing	**Greater**	**Greater**	**Greater**		**Greater**		**Greater**	**Greater**	**Greater**	**774 AFY**	Moderate	**Greater**		**Greater**			
Optimize Use of State Water Project		**500 AFY**	**200-400 AFY**	**400 AFY**				Moderate	Moderate	Moderate	Moderate							
Groundwater Banking/ Recharge[26]		**Greater**	**Greater**	**Greater**		**Greater**		Moderate	Moderate	Moderate	Moderate		Moderate					
Groundwater Supply Sources		Moderate[21]						**Greater**	**Greater**	**Greater**	**Greater**							
Salinas Reservoir Expansion/ Exchange																		
Desalination			Moderate	Moderate				Moderate	Moderate	Moderate	Moderate							

Table 4.60 South Coast WPA 7 Water Management Strategies

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach (1)	Arroyo Grande (1)	Grover Beach (1)	Oceano CSD(1)	Agriculture	Rural	Golden State Water Company(17)	Nipomo CSD(17)	Rural Water Company(17)	Woodlands Mutual Water Company(17)	Conoco Phillips(17)	Agriculture(17)	Rural(17)	Agriculture /Rural	Agriculture	Rural	Environmental
Lopez Lake Expansion/ Exchange		Moderate	Moderate	Moderate														
New Off Stream Storage																Moderate		
Nipomo Supplemental Water Project								Greater	Greater	Greater	300 AFY							
Precipitation Enhancement																		
New On Stream Storage																		

Notes:
1. Part of the Northern Cities Management Area (NCMA)
2. 2010 Annual Monitoring Report Northern Cities Management Area, Table 1. 2009 and 2008 demands listed below for reference.
   Pismo Beach reported 2,039 AFY in 2009 and 2,208 AFY in 2008
   Arroyo Grande reported 3,315 AFY in 2009 and 3,579 AFY in 2008
   Grover Beach reported 1,941 AFY in 2009 and 2,051 AFY in 2008
   Oceano CSD reported 885 AFY in 2009 and 933 AFY in 2008
   Agriculture reported 2,742 AFY in 2009 and 2008
3. Rural residential reported 36 AFY in 2009 and 2008. Agriculture is grouped in a category referred to as "Applied Irrigation" which is private water used for non-domestic purposes. In the NCMA, Applied Irrigation demands are defined by agriculture and irrigated turf grass at schools and a golf course. Of the 2,056 AFY Applied Irrigation demand, agriculture likely accounted for 1,933 AFY (or 94 percent).
4. State Water Project average allocation assumed 66 percent of contract water service amount.
5. Intentionally left blank.
6. Oceano CSD has a 750 AFY allocation, but no drought buffer. Therefore, the 66 percent assumption for State Water Project delivery is 495 AFY.
7. Edna Valley Sub-basin estimated safe basin yield is 4,000 AFY and all pumping is for urban, agricultural, rural users, golf courses, and CSA 18.
8. There is no estimate of the Pismo Creek Valley Sub-basin (basin-wide yield). The yield of the alluvial basin in the Spanish Spring ranch area has been estimated at 200 AFY.
9. Safe yield of 9,500 AFY with subdivisions for applied irrigation (5,300 AFY), subsurface outflow to the ocean (200 AFY), and urban use (4,000 AFY). The 2002 Groundwater Management Agreement safe yield allotment for urban use is broken down per the numbers shown.
10. 2002 Settlement Agreement provides that groundwater allocations can be increased when land within the incorporated boundaries is converted from agricultural uses to urban uses.
11. Arroyo Grande has an active agreement to purchase 100 AFY of Oceano CSD supplies from groundwater or Lopez Lake water. This temporary agreement ends in 2014.
12. Nipomo supplemental water project includes Nipomo CSD, Woodlands MWC, Golden State Water Company, and Rural Water Company. Nipomo CSD will receive approximately 1,667 AFY and has reserved an additional 500 AFY. The other three will receive 833 AFY.
13. For the NMMA purveyors, the groundwater supply was calculated as the difference between the current demand and the other sources of supply (e.g. recycled water, Nipomo supplemental water project).
14. Non-potable groundwater pumped from irrigation wells used on the State Parks Department golf course and a City park. The portion of the 225 AFY attributed to the golf course predates the Gentlemen's Agreement. The portion for the park is a substitute for preexisting agricultural use on the park site.
15. Diversions do not distinguish type of use. Potentially 1,243 AFY could be diverted for use to either agriculture or rural residential in WPA 7.
16. The NCMA cities, NMMA cities, County, District, and local land owners actively and cooperatively manage surface and groundwater with the goal of preserving the long-term integrity of water supplies in the NCMA and NMMA.
17. Part of the Nipomo Mesa Management Area (NMMA)
18. 2009 Annual Monitoring Report Nipomo Mesa Management Area. 2008 demands listed below for reference.
    Golden State Water Company reported 1,380 AFY in 2008 and 1,290 AFY in 2009

Table 4.60 South Coast WPA 7 Water Management Strategies

	Golden State Water Co. (Edna Valley)	Northern Cities Management Area						Nipomo Mesa Management Area							Santa Maria Valley Management Area	Outside Management Areas		
		Pismo Beach [1]	Arroyo Grande [1]	Grover Beach [1]	Oceano CSD[1]	Agriculture	Rural	Golden State Water Company[17]	Nipomo CSD[17]	Rural Water Company[17]	Woodlands Mutual Water Company[17]	Conoco Phillips[17]	Agriculture[17]	Rural[17]	Agriculture /Rural	Agriculture	Rural	Environmental

Nipomo CSD reported 2,700 AFY in 2008 and 2,370 AFY in 2010 (NCSD existing demand based on 2010 UWMP)
Rural Water Company reported 900 AFY in 2008 and 880 AFY in 2009
Woodlands Mutual Water Company reported 540 AFY in 2008 and 810 AFY in 2009
ConocoPhillips reported 1,100 AFY in 2008 and 1,200 AFY in 2009
Agriculture reported 4,300 AFY in 2008 and 3,800 AFY in 2009
Rural residential reported 1,700 AFY in 2008 and 1,700 AFY in 2009

19. The golf course receives all of the WWTP's recycled water effluent for irrigation use (2009 - Range: 59,000-134,000 gpd, average flow: 78,000 gpd; permitted 120,000 gpd as a monthly average)
20. Ten percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand, except for Grover Beach, which assumed 20% additional reduction.
21. Groundwater basins outside the NCMA.
22. Includes Low Impact Development/Rainwater Harvesting.
23. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
24. Mean daily flow values from stream gauging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
25. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.
26. Potential use of recycled water.
27. Nipomo CSD 2010 Urban Water Management Plan.

4.8.13.3 Huasna Valley WPA 8

The Huasna Valley Groundwater Basin is the only defined groundwater basin in this WPA. There are no urban water users or large population centers in this WPA. All pumping is for rural residential and agricultural purposes by overlying users. There is no existing estimate of safe basin yield or hydrologic budget items. Therefore, it is uncertain whether a water supply deficit exists or not in this WPA.

Constraints on water availability in the Huasna Valley Groundwater Basin include physical limitations. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers. Water availability in the sandstone and fractured rock can be highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

4.8.13.3.1 *Water Management Strategies*

Although there are no urban users in this WPA, and it is uncertain whether a supply deficit exists, the rural and agricultural users are encouraged to implement conservation measures to reduce demands. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and off stream storage.

Table 4.61 Huasna Valley WPA 8 Water Management Strategies				
	Urban	**Agriculture**	**Rural**	**Environmental**
Demand				
Existing Demand (AFY)	0	1,550	90	
Forecast Demand (AFY)	0	2,060-2,820	360-450	
Supply				
Huasna Valley Basin (AFY)(1)	0	Uncertain	Uncertain	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	(2)	(2)	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)(5)				25,020
Unimpaired Mean Annual Discharge(AFY)(6)				34,220
Water Supply Versus Demand Balance	**0**	**Uncertain(3)**	**Uncertain(3)**	**Uncertain(7)**
Water Management Strategies and Potential for Implementation				
Further Conservation		**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project				
Land Use Management(4)		Moderate	Moderate	
Recycled Water				

Table 4.61 Huasna Valley WPA 8 Water Management Strategies

	Urban	Agriculture	Rural	Environmental
Optimize Use of State Water Project				
Groundwater Banking/Recharge				
Groundwater Supply Sources				
Salinas Reservoir Expansion/Exchange				
Desalination				
Lopez Lake Expansion/Exchange				
New Off Stream Storage		Moderate		
Nipomo Supplemental Water Project				
Precipitation Enhancement				
New On Stream Storage				

Notes:
1. There is no existing estimate of basin safe yield or hydrologic budget items.
2. Diversions do not distinguish type of use. Potentially 48 AFY could be diverted for use to either agriculture or rural residential.
3. It is uncertain whether an agricultural or rural supply deficit exists. There is no estimate for the basin yield. Future studies should invest the resources to quantify the safe basin yield and to determine which groundwater basins are used by the agricultural and rural water users.
4. Includes Low Impact Development/Rainwater Harvesting.
5. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
6. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
7. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.8.13.4 Cuyama Valley WPA 9

The Cuyama Valley Groundwater Basin is the only defined groundwater basin in this WPA. There are no urban water users or large population centers in this WPA. All pumping is for rural residential, agricultural purposes, and oil field operators. This basin includes portions within unincorporated San Luis Obispo County, Santa Barbara County, Kern County, and Ventura County. Perennial yield for the entire basin has been estimated at 10,000 AFY. There is no separate yield estimate for the San Luis Obispo County portion of the basin, but the agricultural demands in San Luis Obispo County exceed the perennial yield.

Constraints on water availability in the Cuyama Valley Groundwater Basin are primarily physical limitations. The County of San Luis Obispo Planning Department has determined that the basin is currently at a Level III severity rating (resource capacity has been met or exceeded) due to historical groundwater level declines and resulting groundwater storage losses.

In 1980, the Cuyama Valley Groundwater Basin was identified by the California Department of Water Resources as one of the eleven basins in “critical condition of overdraft”. Although the groundwater basin is experiencing serious hydrologic impacts due to unsustainable groundwater pumping practices, a groundwater management plan for the basin does not yet exist. However, Santa Barbara County has been leading efforts recently to better understand the condition of this basin, and the District recently coordinated with that agency on jointly funding a new stream gauge.

4.8.13.4.1 *Water Management Strategies*

Although there are no urban users in this WPA, it is certain that a supply deficit exists. Rural users represent an insignificant demand compared to agriculture. Agricultural users are encouraged to implement conservation measures to reduce demands. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and off stream storage.

The four counties that overlie the basin are coordinating on a groundwater management plan.

Table 4.62 Cuyama Valley WPA 9 Water Management Strategies				
	Urban	**Agriculture**	**Rural**	**Environmental[4]**
Demand				
Existing Demand (AFY)	0	28,870[5]	10	
Forecast Demand (AFY)	0	25,320-32,410	80-100	
Supply				
Cuyama Valley Basin (AFY)[1]	0	10,000[1]	10,000[1]	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)				Uncertain
Unimpaired Mean Annual Discharge(AFY)				Uncertain
Water Supply Versus Demand Balance	**0**	**Deficit[2]**	**Deficit[2]**	**Uncertain**
Water Management Strategies and Potential for Implementation				
Further Conservation		**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project				
Land Use Management[3]		Moderate	Moderate	
Recycled Water				

Table 4.62 Cuyama Valley WPA 9 Water Management Strategies

	Urban	Agriculture	Rural	Environmental[4]
Optimize Use of State Water Project				
Groundwater Banking/Recharge				
Groundwater Supply Sources				
Salinas Reservoir Expansion/ Exchange				
Desalination				
Lopez Lake Expansion/Exchange				
New Off Stream Storage		Moderate		
Nipomo Supplemental Water Project				
Precipitation Enhancement				
New On Stream Storage				

Notes:
1. Demands include demands in the San Luis Obispo County portion of the basin and the remaining water planning area. Perennial yield for the entire basin has been estimated between 9,000 and 13,000 AFY. Recent work reported a perennial yield on the order of 10,000 AFY. 22 percent of basin is in San Luis Obispo County. Remainder of the basin resides in Santa Barbara, Kern, and Ventura County. There is no separate yield estimate for the San Luis Obispo County portion.
2. The County Planning Department has determined that the Cuyama Valley Basin is currently at a Level III severity rating. In 1980, the basin was identified by the California Department of Water Resources as being in "critical condition of overdraft." Although the groundwater basin is experiencing serious hydrologic impacts due to unsustainable groundwater pumping practices, a groundwater management plan for the basin does not exist.
3. Includes Low Impact Development/Rainwater Harvesting.
4. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.
5. Agricultural demands estimated for San Luis Obispo County only, not the other three counties.

4.8.14 Inland Sub-Region

4.8.14.1 Carrizo Plain WPA 10

The Carrizo Plain Groundwater Basin is the only defined groundwater basin in this WPA. There are no urban water users or large population centers in this WPA. There is one small public water system serving the local school. All other pumping in the basin is for agricultural and residential purposes by overlying users. There are two proposed solar farms that will located within this WPA (Topaz Farms 550-MW; SunPower 250-MW).

The estimated rural demand for the Carrizo Plain, WPA 10, is 210 AFY and future demand estimate range from 9,610 to 12,740. The majority of existing rural parcels identified in WPA 10 are classified as developed rural lands. According to existing zoning, it is possible that Carrizo Plain could have extensive residential development. However, it is unlikely that the number of residential units that are zoned as potential residential will be developed due to limited water availability and other factors.

Constraints on water availability in the basin include physical limitations and water quality issues. The low safe yield estimate of this basin relative to its large size and the high TDS concentrations in areas (e.g., Soda Lake) suggest that water availability in the region is limited.

4.8.14.1.1 *Water Management Strategies*

All pumping is for rural residential and agricultural purposes by overlying users (there are no urban users in this WPA). Based on recent estimates of safe basin yield, it is unlikely that a supply deficit exists. Rural and agricultural users are encouraged to implement conservation measures to reduce demands. Water quality issues may force overlying users to explore other groundwater supplies. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development, rainwater harvesting), off stream storage, and desalination to reduce TDS concentrations.

Table 4.63 Carrizo Plain WPA 10 Water Management Strategies					
	Urban	**Solar Power[1]**	**Agriculture**	**Rural**	**Environmental[8]**
Demand					
Existing Demand (AFY)	0	0	800	210	
Forecast Demand (AFY)	0	13.8	680-890	9,610-12,740[2]	
Supply					
Carrizo Plain Basin (AFY)[3]	0	0	800	210	
Other Groundwater Supply Sources (AFY)	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	[4]	[4]	
Total Supply (AFY)	**0**	**Uncertain[1]**	**800**	**210**	
Environmental Water Demand					
Environmental Water Demand (AFY)					Uncertain
Unimpaired Mean Annual Discharge(AFY)					Uncertain
Water Supply Versus Demand Balance	**0**	**Uncertain[1][5]**	**Uncertain[5]**	**Uncertain[5]**	**Uncertain**
Water Management Strategies and Potential for Implementation					
Further Conservation		Moderate	**Greater**	**Greater**	

Table 4.63 Carrizo Plain WPA 10 Water Management Strategies

	Urban	Solar Power[1]	Agriculture	Rural	Environmental[8]
Unsubscribed Nacimiento Water Project					
Land Use Management[7]		Moderate	Moderate	Moderate	
Recycled Water					
Optimize Use of State Water Project					
Groundwater Banking/Recharge					
Groundwater Supply Sources		**Greater**	**Greater**	**Greater**	
Salinas Reservoir Expansion/ Exchange					
Desalination		**Greater[6]**	Moderate[6]	Moderate[6]	
Lopez Lake Expansion/Exchange					
New Off Stream Storage			Moderate		
Nipomo Supplemental Water Project					
Precipitation Enhancement					
New On Stream Storage					

Notes:
1. Potential demands from two identified future solar power projects (Topaz Solar Farm and Sun Power-California Valley Solar Ranch), which have yet to be approved.
2. Carrizo Plain rural demand projections are based on existing zoning, which includes the potential for extensive California Valley development.

Table 4.63 Carrizo Plain WPA 10 Water Management Strategies

	Urban	Solar Power[1]	Agriculture	Rural	Environmental[8]

The actual development may be much lower than the range shown due to water quality and other considerations.

3. The safe yield was estimated at 8,000 - 11,000 AFY.
4. Diversions do not distinguish type of use. Potentially 81 AFY could be diverted for use by either agriculture or rural residential.
5. A safe yield of 8,000 - 11,000 AFY has been identified via the Solar Project EIRs. However, future efforts should seek to refine the safe yield analysis and rural demand estimate in order to make a supported determination.
6. Treatment to reduce TDS concentrations in groundwater, reverse osmosis is proposed.
7. Includes Low Impact Development/Rainwater Harvesting.
8. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.8.14.2 Rafael/Big Spring WPA 11

The Rafael Valley and Big Spring Valley Groundwater Basins are the only defined groundwater basin in this WPA. There are no urban water users or large population centers in this WPA. All pumping is for minimal rural residential and agricultural purposes by overlying users. There are no existing estimates of safe basin yield or hydrologic budget items. Therefore, it is uncertain but unlikely that an existing agricultural or rural supply deficit exists since the existing demands are minor. It is possible that future demands could exceed the basins' safe yield, but without adequate information, this cannot be determined.

Constraints on water availability in these basins are primarily physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. The alluvial aquifers also overlie and recharge the underlying consolidated rock formations. Water availability in the consolidated rock fractures is highly variable, depending on the local structure, available storage capacity, and access to a source of recharge.

4.8.14.2.1 *Water Management Strategies*

Although there are no urban users in this WPA, and it is uncertain but unlikely that a supply deficit exists, the rural and agricultural users are encouraged to implement conservation measures to reduce demands. If future supply deficits occur, then the overlying water users could tap into fractured rock aquifers or other non-basin sources. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and off stream storage.

Table 4.64 Rafael/Big Spring WPA 11 Water Management Strategies				
	Urban	**Agriculture**	**Rural**	**Environmental[6]**
Demand				
Existing Demand (AFY)	0	Minimal	Minimal	
Forecast Demand (AFY)	0	0	470-620	
Supply				
Rafael Valley Basin (AFY)[1]	0	Uncertain[2]	Uncertain[2]	
Big Spring Area Basin[1]	0	Uncertain[2]	Uncertain[2]	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	[3]	[3]	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)				Uncertain
Unimpaired Mean Annual Discharge(AFY)				Uncertain
Water Supply Versus Demand Balance	**0**	**Uncertain [4]**	**Uncertain [4]**	**Uncertain**
Water Management Strategies and Potential for Implementation				
Further Conservation		**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project				
Land Use Management[5]		Moderate	Moderate	

Table 4.64 Rafael/Big Spring WPA 11 Water Management Strategies

	Urban	Agriculture	Rural	Environmental[6]
Recycled Water				
Optimize Use of State Water Project				
Groundwater Banking/Recharge				
Groundwater Supply Sources		**Greater**	**Greater**	
Salinas Reservoir Expansion/ Exchange				
Desalination				
Lopez Lake Expansion/Exchange				
New Off Stream Storage		Moderate		
Nipomo Supplemental Water Project				
Precipitation Enhancement				
New On Stream Storage				

Notes:
1. There is no information describing the basin yield.
2. It is uncertain which basins are used and the quantity of water pumped from each basin. Future studies should invest the resources to quantify the location and use of each basin.
3. Diversions do not distinguish type of use. Potentially 59 AFY could be diverted for use to either agriculture or rural residential.
4. It is uncertain but unlikely that an existing agricultural or rural supply deficit exists. The yield from the two basins serving this water planning area is unknown, but the existing demands are minor. It is possible that future demands could exceed the basins safe yield, but without adequate information, this cannot be confirmed. Future studies should invest the resources to quantify the safe basin yield and to determine which groundwater basins are used by the agricultural and rural water users.
5. Includes Low Impact Development/Rainwater Harvesting.
6. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.8.14.3 Santa Margarita WPA 12

Groundwater is the primary water supply source for this WPA. The primary constraint on water availability in the Santa Margarita Valley Groundwater Basin, which supplies CSA 23 and Santa Margarita Ranch, are physical limitations. Although the alluvial aquifer is considered to be highly productive, it is shallow in vertical extent (i.e., 50 feet thick) and therefore highly susceptible to seasonal fluctuations in groundwater levels of about 15 to 20 feet. During dry water years or extended droughts, well yields may be significantly reduced due to low groundwater levels (Todd, 2004). Recharge in the shallow alluvial deposits for a particular year is dependent on rainfall, creek stream flows, and precipitation runoff generated in the four watersheds. Wells developed in the Santa Margarita Formation generally do not have sufficient yields to reliably replace the wells in the alluvial aquifer. Hydrographs of deep wells in the area indicate that groundwater levels have been trending downward at least over the last decade (Hopkins, 2006).

The Rinconada Valley and Pozo Valley Groundwater Basins constraints on water availability are physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. The alluvial aquifers overlie and recharge the underlying rock formations. Water availability in the consolidated rock fractures is generally limited and highly variable, depending on the local structure, available storage capacity, and access to a source of recharge.

4.8.14.3.1 *Water Management Strategies*

The community of Santa Margarita, which is served by CSA 23, is the primary population center and urban water user in this WPA. Santa Margarita Ranch is primarily an agricultural operation, but residential subdivisions are proposed on the Ranch. Due to the supply limitations of the Santa Margarita Valley Groundwater Basin, an alternative supply is necessary to meet anticipated future demands and to provide a reliability supply. Water conservation measures should be implemented to the fullest extent possible. Mandatory or emergency conservation would be used to off-set the need for additional or reliability supply in CSA 23, but not to support growth. In addition to conservation, three water management strategies are likely the most feasible options to consider for CSA 23 and/or Santa Margarita Ranch's future water supply:

- Unsubscribed Nacimiento Water Project
- Recycled water
- Optimized use of State Project Water

Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and groundwater supply sources.

Table 4.65 Santa Margarita WPA 12 Water Management Strategies

	CSA 23	Santa Margarita Ranch	Agriculture	Rural	Environmental
Demand					
Existing Demand (AFY)	164	1,621	1,770	240	
Forecast Demand (AFY)	173-192[7]	5,301-5,890[7]	1,720-2,680	450-520	
Supply					
Santa Margarita Valley Basin (AFY)[1]	164	1,621	Uncertain[2]	Uncertain[2]	
Rinconada Valley Basin[3]	0	0	Uncertain[2]	Uncertain[2]	
Pozo Valley Basin[4]	0	0	Uncertain[2]	Uncertain[2]	
Other Groundwater Supply Sources (AFY)	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	22	[5]	[5]	
Total Supply (AFY)	**164**	**1,643**	**Uncertain**	**Uncertain**	
Environmental Water Demand					
Environmental Water Demand (AFY)[9]					32,850
Unimpaired Mean Annual Discharge(AFY)[10]					46,630
Water Supply Versus Demand Balance	**Supply Deficit[1][6]**	**Supply Deficit[1][6]**	**Uncertain [2][6]**	**Uncertain [2][6]**	**Uncertain[11]**

Table 4.65 Santa Margarita WPA 12 Water Management Strategies					
	CSA 23	**Santa Margarita Ranch**	**Agriculture**	**Rural**	**Environmental**
Water Management Strategies and Potential for Implementation					
Further Conservation	**Greater**	**Greater**	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project	Moderate	**Greater**			
Land Use Management[8]	Moderate	Moderate	Moderate	Moderate	
Recycled Water		**Greater**			
Optimize Use of State Water Project	**Greater**				
Groundwater Banking/Recharge					
Groundwater Supply Sources	Moderate	Moderate			
Salinas Reservoir Expansion/ Exchange					
Desalination					
Lopez Lake Expansion/Exchange					
New Off Stream Storage			Moderate		
Nipomo Supplemental Water Project					
Precipitation Enhancement					

Table 4.65 Santa Margarita WPA 12 Water Management Strategies

	CSA 23	Santa Margarita Ranch	Agriculture	Rural	Environmental
New On Stream Storage					

Notes:
1. No comprehensive studies to determine the perennial yield are known to exist. However, some reports indicate an average annual yield may range between 400 to 600 AFY.
2. It is uncertain which basins are used and the quantity of water pumped from each basin. Future studies should invest the resources to quantify the location of and use within each basin.
3. There is no information describing the basin yield.
4. The safe available storage has been reported to be 1,000 AFY. There is insufficient information to characterize water availability.
5. Diversions do not distinguish type of use. Potentially 417 AFY could be diverted for use to either agriculture or rural residential.
6. It is likely that a deficit exists because the combined existing urban, agricultural, and rural demands exceed the Santa Margarita Valley and Pozo Valley basin yield/storage.
7. Ten percent water conservation assumed for the low end of the forecast build-out demand.
8. Includes Low Impact Development/Rainwater Harvesting
9. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
10. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
11. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.8.14.4 Atascadero/Templeton WPA 13

Groundwater from the Atascadero Groundwater Sub-basin is the primary water supply source for this WPA, but recycled water and recently the Nacimiento Water Project (NWP) are also sources of supply. The Atascadero Groundwater Sub-basin includes the City of Atascadero and the communities of Templeton and Garden Farms. Although the City of Paso Robles is not located within WPA 13, its Thunderbird wellfield is located within WPA 13 and extracts water from the Salinas River Underflow. The sub-basin contains three aquifer groups with distinctly different hydraulic characteristics: 1) Alluvium along the floodplain of the Salinas River, 2) Paso Robles Formation deposits directly underlying the Salinas River alluvium, and 3) Paso Robles Formation deposits along the east side of the sub-basin that are not directly connected to the younger alluvium.

Primary constraints on water availability in the sub-basin include water rights and physical limitations. The rights to surface water flows in the Salinas River and associated pumping from the alluvium (Salinas River Underflow) have been fully appropriated by the State Water Resources Control Board (State Board) and no plans exist to increase these rights beyond the current allocations. Full appropriation implies that no additional rights to the Salinas River flows are being issued by the State Board at this time nor is any additional pumping for existing rights being granted. Therefore, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation.

In terms of physical limitations, Todd (2009) estimated the gross groundwater pumping in the sub-basin during 2006 to be 15,545 AF, which is 95 percent of the sub-basin perennial yield of 16,400 AFY. Ongoing studies may revise the estimated pumping from the sub-basin. According to Fugro (2010), whereas total groundwater in storage in the main part of the Paso Robles Groundwater Basin is predominantly in the Paso Robles Formation, the Salinas River alluvium in the Atascadero Groundwater Sub-basin accounts for a significant percentage of the total groundwater storage in the sub-basin. Pumping from the alluvium should be accounted for separately from pumping from the Paso Robles Formation. Furthermore, Fugro opined that pumping in excess of the perennial yield in the sub-basin may not necessarily be reflected by decreasing groundwater levels in the Paso Robles Formation since significant pumping occurs in the alluvium.

An additional source of water for Templeton CSD comes from their re-use program with disposal of treated wastewater effluent from the Meadowbrook WWTP percolation ponds. This program allows the Templeton CSD to percolate treated effluent into the groundwater basin/Salinas River Underflow and subsequently extract the same amount of water 28 months later.

The Templeton CSD is also under contract to receive 250 AFY from the NWP. The Atascadero MWC is a major partner of the Nacimiento Water Project, having contracted for a 2,000 AFY allotment of this future supply. For Atascadero MWC, the water will be used to

recharge the groundwater basin in the vicinity of the deep wells that pump from the Atascadero Groundwater Sub-basin.

4.8.14.4.1 *Water Management Strategies*

The Atascadero MWC maintains sufficient supply to meet existing and anticipated future demands, and to provide a reliability supply. The other urban users are either at their supply limit or could experience a future deficit.

As mentioned above, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation.

The estimated gross groundwater pumping from urban, rural and agricultural users in the Atascadero Groundwater Sub-basin is approaching the perennial yield. Therefore, the sub-basin is not considered a significant source of additional future supply.

Due to the supply limitations of the Atascadero Groundwater Sub-basin, an alternative supply is necessary to meet future demands and to provide a reliability supply. Water conservation measures should be implemented to the fullest extent possible. Atascadero MWC has successfully implemented a number of conservation measures and continues to aggressively promote water conservation. Mandatory or emergency conservation would be used to off-set the need for additional or reliability supply, not to support growth.

Future water supply for the Templeton CSD will likely come from the Nacimiento Water Project (NWP). Templeton CSD could increase its NWP allotment. Templeton CSD would percolate raw water from the NWP into the Salinas River Underflow, in a similar manner that they percolate effluent from the Meadowbrook WWTP percolation ponds (Selby Pond site). In addition, the Templeton CSD might divert additional wastewater flows to the Meadowbrook WWTP (which currently flow to the City of Paso Robles WWTP), which will allow them to increase percolation into and extraction from the Salinas River Underflow by as much as 343 AFY.

Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and groundwater banking/recharge.

Table 4.66 Atascadero/Templeton WPA 13 Water Management Strategies

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles[16]	Agriculture	Rural	Environmental
Demand							
Existing Demand (AFY)	48-93	1,682	6,565	4,063	10,620	1,480	
Forecast Demand (AFY)	48-93	2,034-2,260[15]	6,840-7,600[15]	3,728	9,740-14,600	1,810-1,930	
Supply							
Atascadero Groundwater Sub-basin (AFY)[13]							
Paso Robles Formation (AFY)[1]	48-93	1,050[2]	3,193	Included with Salinas River Underflow	[3]	[3]	
Salinas River Underflow (AFY)[1]	0	500[4]	3,372[5]	4,063/ 3,728[16]	745[6]	0	
Recycled Water (AFY)[7]	0	132/475	0	0	0	0	
Other Groundwater Supply Sources (AFY)	0	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	0	[8]	[8]	
Nacimiento Water Project (AFY)[9]	0	250	2,000	0	0	0	
Total Supply (AFY)	**43-93**	**1,932**	**8,565**	**4,063**	**Uncertain**	**Uncertain**	

Table 4.66 Atascadero/Templeton WPA 13 Water Management Strategies

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles[16]	Agriculture	Rural	Environmental
Environmental Water Demand							
Environmental Water Demand (AFY)[18]							41,010
Unimpaired Mean Annual Discharge(AFY)[19]							74,090
Water Supply Versus Demand Balance	**At Supply Limit**	**Possible Future Deficit[1][10]**	**Adequate Supply[1][14]**	**At Supply Limit[1]**	**Uncertain [11]**	**Uncertain [11]**	**Uncertain[20]**
Water Management Strategies and Potential for Implementation							
Further Conservation	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project		**Greater**	**Greater**	**Greater**	Moderate[12]		
Land Use Management[17]	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	
Recycled Water		**343 AFY**	Moderate	**Greater**	**Greater**		
Optimize Use of State Water Project							
Groundwater Banking/Recharge		Moderate	Moderate	Moderate	Moderate	Moderate	
Groundwater Supply Sources		**500 AFY**	Moderate		**Greater**	**Greater**	

Table 4.66 Atascadero/Templeton WPA 13 Water Management Strategies

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles[16]	Agriculture	Rural	Environmental
Salinas Reservoir Expansion/ Exchange							
Desalination							
Lopez Lake Expansion/Exchange							
New Off Stream Storage					Moderate		
Nipomo Supplemental Water Project							
Precipitation Enhancement							
New On Stream Storage							

Notes:

1. The perennial yield was estimated to be 16,400 AFY. Extractions from the Sub-basin occur primarily from the Salinas River Underflow and deeper formations. Depending on the estimated use for the Agricultural and Rural sectors, future hydrology and whether additional Nacimiento supplies are utilized, Sub-basin studies are indicating that the perennial yield may be exceeded in the future.
2. Nine of Templeton CSD's wells extract groundwater from the Atascadero Groundwater Sub-basin.
3. It is assumed that the majority of water supply for rural users and about 13 percent of the supply for agricultural users comes from the Sub-basin.
4. Templeton CSD is permitted to extract 500 AFY from the Salinas River Underflow between October 1 and April 1.
5. Atascadero MWC rights to 3,372 AFY from Salinas River underflow.
6. SWRCB records indicate that 745 AFY could be diverted from the Salinas River (direct diversion or underflow). It is assumed that the entire amount is used for agriculture.
7. Percolation of treated wastewater effluent into the Salinas River underflow and extraction of the same amount 28 months later. Currently about 132 AFY is percolated and extracted. This could increase to 475 AFY in the future.
8. Diversions do not distinguish type of use. Potentially 1,431 AFY could be diverted for use to either agriculture or rural residential. Diversions were not analyzed as to whether they are within or outside the Sub-basin.
9. Nacimiento Water Project is scheduled to go online in 2010.
10. If the Templeton Sub-Unit can not supply at least 1,000 AFY, then a water supply deficit could occur. A combination of conservation and an increase in treated wastewater effluent percolation could supply the projected increase in demands.

Table 4.66 Atascadero/Templeton WPA 13 Water Management Strategies

	Garden Farms CWD	Templeton CSD	Atascadero MWC	Paso Robles[16]	Agriculture	Rural	Environmental

11. It is uncertain whether the sources of supply outside the Sub-basin in addition to the Sub-basin itself are sufficient to sustain the level of demand (also see note 1).
12. Via an institutional/physical mechanism for direct deliveries or groundwater banking.
13. The agencies, County, District, and local land owners intend to actively and cooperatively manage the Paso Robles Groundwater Basin (which includes the Sub-basin) via the development of a Groundwater Management Plan.
14. Although the demand and supply balance indicates a surplus for Atascadero MWC, if the Sub-basin is not managed appropriately, Atascadero MWC could be impacted.
15. Ten (10) percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand.
16. Paso Robles discussed in Water Planning Area 14 but included here because Paso Robles wells extract water from this water planning area. For the purposes of this analysis, it was assumed that half (4,063 AFY) of the existing demand of 8,126 AFY was extracted from the Salinas River Underflow via the Thunderbird Well Field in WPA 13. Paso Robles is permitted to extract 4,600 AFY from Salinas River Underflow, but not all is pumped from the WPA 13. Part is extracted from within WPA 14. At build-out, it was assumed that Paso Robles would extract half (3,728 AFY) of its total future groundwater supply of 7,456 AFY from the Atascadero Sub-basin.
17. Includes Low Impact Development/Rainwater Harvesting.
18. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
19. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
20. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

4.8.14.5 Salinas/Estrella WPA 14

Groundwater from the Paso Robles Groundwater Basin is the primary water supply source for this WPA. The Nacimiento Water Project (NWP) is also a source of supply, and the community of Shandon maintains a State Water Project allocation. This WPA and the Paso Robles Basin include the City of Paso Robles and the communities of San Miguel, Camp Roberts and Shandon, rural and agricultural users, and a number of small commercial and community water systems. Groundwater in the basin is found in alluvium (Salinas River Underflow) and in the Paso Robles Formation.

Primary constraints on water availability in the basin include water rights, water quality, and physical limitations. The rights to surface water flows in the Salinas River and associated pumping from the alluvium have been fully appropriated by the State Board and no future plans exist to increase these rights beyond the current allocations. Therefore, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation. In terms of physical limitations, Todd (2009) estimated the total groundwater pumping in the basin during 2006 to be 88,154 AF, which is 90 percent of the basin perennial yield of 97,700 AFY.

Portions of the Paso Robles Groundwater Basin have experienced significant water level declines over the past 15 to 20 years (Fugro 2002, Fugro 2005, Todd 2007, Todd 2009). The area of particular concern is the Estrella subarea, primarily from the eastern part of the City of Paso Robles, eastward along the Highway 46 corridor to Whitley Gardens. The “area of concern” has been the subject of additional investigation by the San Luis Obispo County Planning Department and the focus of a Resource Capacity Study that was completed 2011.

The City of Paso Robles is under contract to receive 4,000 AFY from the NWP. The City is progressing with its plans for a water treatment plant to treat NWP deliveries. Current projections indicate that the first phase of the plant will treat approximately 2,000 AFY by year 2015/16, during the peak water demand season. Future phases of the treatment plant are projected to be completed in 2021/22.

4.8.14.5.1 *Water Management Strategies*

The District, City of Paso Robles, CSA 16 – Shandon, San Miguel CSD, and approximately 20 landowners have organized as the Paso Robles Imperiled Overlying Rights (PRIOR) group to participate in the Paso Robles Groundwater Basin Agreement (Agreement). Key elements of the Agreement are a clear acknowledgement that the Paso Robles Groundwater Basin is not in overdraft now, and that the parties will not take court action to establish any priority of groundwater rights over another party as long as the Agreement is in effect. In addition, the parties agree to participate in a meaningful way in groundwater management activities, and to develop a plan for monitoring groundwater conditions in the groundwater basin.

As mentioned above, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation. Also, the estimated gross groundwater pumping from urban, rural and agricultural users in the groundwater basin is approaching its perennial yield. Therefore, the groundwater basin is not considered a significant source of additional future supply.

The City of Paso Robles has an option of increasing its allotment of the Nacimiento Water Project from 4,000 AFY to 8,000 AFY as demand increases. The NWP is also an option for San Miguel CSD, but they do not currently subscribe to this supply.

Another supply alternative being pursued by Paso Robles is the use of recycled wastewater. The City owns its own wastewater treatment plant, which currently provides secondary treatment. Several alternatives have been studied to upgrade treatment to the tertiary level, and it is assumed that one of these alternatives will eventually be pursued. The City is considering the use of up to 1,000 AFY of recycled water to serve future demands. The primary issue with recycled water is that there is little urban demand (e.g. landscape irrigation or industrial users) within the city limits. Another option is to deliver recycled water to wineries or other agricultural users.

Water conservation measures should be implemented to the fullest extent possible. The City of Paso Robles has implemented a number of permanent mandatory water conservation measures that are in force throughout the water service area. These measures have reduced demand from 13 mgd to 10 mgd. Mandatory or emergency conservation by the city would be used to off-set the need for additional or reliability supply, not to support growth.

CSA 16-Shandon has an allocation of 100 AFY of State Water Project water (but no drought buffer), but has not developed this supply due to high cost.

Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting), recycled water, groundwater banking/recharge, and groundwater supply.

Table 4.67 Salinas/Estrella WPA 14 Water Management Strategies

	San Miguel CSD	Camp Roberts	Paso Robles	CSA 16 (Shandon)	Agriculture	Rural	Environmental (14)
Demand							
Existing Demand (AFY)	235	190	4,063(11)	147	67,610	3,590	
Forecast Demand (AFY)	466-582(10)	190	8,422-9,772(10(11)	271-1,100(15)	60,740-86,820	5,570-6,230	
Supply							
Paso Robles Groundwater Basin (AFY)(1)							
Paso Robles Formation and/or alluvium (AFY)	235	190	2,856(2)	147	(3)	(3)	
Salinas River Underflow (AFY)	0	0	537/872(4)	0	738(5)	0	
Other Groundwater Supply Sources (AFY)	0	0	0	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	0	0	0	(6)	(6)	
State Water Project (AFY)	0	0	0	66(7)	0	0	
Nacimiento Water Project (AFY)(8)	0	0	4,000	0	0	0	
Total Supply (AFY)	**235**	**190**	**7,728**	**213**	**Uncertain**	**Uncertain**	
Environmental Water Demand							

Table 4.67 Salinas/Estrella WPA 14 Water Management Strategies							
	San Miguel CSD	**Camp Roberts**	**Paso Robles**	**CSA 16 (Shandon)**	**Agriculture**	**Rural**	**Environmental (14)**
Environmental Water Demand (AFY)							Uncertain
Unimpaired Mean Annual Discharge(AFY)							Uncertain
Water Supply Versus Demand Balance	**Future Deficit(12)**	**At Supply Limit(12)**	**Future Deficit(12)**	**Future Deficit(12)**	**Future Deficit(9)(12)**	**Future Deficit(9)(12)**	Uncertain
Water Management Strategies and Potential for Implementation							
Further Conservation	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project	Moderate		**4,000 AFY**		Moderate(16)	Moderate(16)	
Land Use Management(13)	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	
Recycled Water	Moderate		**944-1,000 AFY**	Moderate	Moderate(16)		
Optimize Use of State Water Project				**Greater**	Moderate(16)	Moderate(16)	
Groundwater Banking/Recharge	Moderate		Moderate	Moderate	Moderate	Moderate	
Groundwater Supply Sources	**Greater**			Moderate	**Greater**	**Greater**	
Salinas Reservoir Expansion/ Exchange							

Table 4.67 Salinas/Estrella WPA 14 Water Management Strategies

	San Miguel CSD	Camp Roberts	Paso Robles	CSA 16 (Shandon)	Agriculture	Rural	Environmental (14)
Desalination							
Lopez Lake Expansion/Exchange							
New Off Stream Storage					Moderate		
Nipomo Supplemental Water Project							
Precipitation Enhancement							
New On Stream Storage							

Notes:

1. The perennial yield was estimated to be 97,700 AFY (includes 16,400 AFY from the Atascadero Groundwater Sub-basin). Previous studies estimated that the total groundwater pumping in the basin during 2006, including Monterey County demands, was 88,154 acre-feet, which is 90 percent of the basin perennial yield.
2. The deeper formations of the Paso Robles Groundwater Basin contributes approximately 2,856 AFY to the City of Paso Robles supply. The City plans to maintain this extraction rate in the future.
3. It is assumed that the majority of water supply for agriculture and rural users comes from the Paso Robles Groundwater Basin.
4. The City of Paso Robles is permitted to extract up to 8 cfs (3,590 gpm) with a maximum extraction of 4,600 AFY (January 1 to December 31). For the purposes of this analysis, it was assumed that half (4,063 AFY) of the existing demand of 8,126 AFY was extracted from the Salinas River Underflow via the Thunderbird Wellfied in WPA 13. The remaining permitted extraction of 537 AFY was pumped from wells within WPA 14. At build-out, it was assumed that Paso Robles would extract 3,728 AFY from the Salinas River Underflow in WPA 13 and the remaining 872 AFY would be extracted from Salinas River Underflow within WPA 14.
5. SWRCB records indicate that 738 AFY could be diverted from the Salinas River (direct diversion or underflow). It is assumed that the entire amount is used for agriculture.
6. Diversions do not distinguish type of use. Potentially 4,884 AFY could be diverted for use to either agriculture or rural residential.
7. CSA 16 has an allocation of 100 AFY of State Water Project (but no drought buffer), but has not developed this supply due to high cost. State Water Project average allocation assumed 66 percent of contract water service amount, which equate to 66 AFY.
8. Nacimiento Water Project is scheduled to go online in 2010.
9. It is possible that a future supply deficit will exist because the forecast agricultural and rural demands, excluding demands in the Monterey County portion of the basin, exceed the basin yield. It is uncertain how much of the rural and agricultural demand is supplied by sources outside the basin.

Table 4.67 Salinas/Estrella WPA 14 Water Management Strategies

	San Miguel CSD	Camp Roberts	Paso Robles	CSA 16 (Shandon)	Agriculture	Rural	Environmental (14)

10. Twenty (20) percent additional water conservation (beyond what has already been accomplished) assumed for the low end of the forecast build-out demand for San Miguel and 10% for Paso Robles.
11. Existing demand was 8,126 AFY, but half (4,063 AFY) was supplied by the Thunderbird Wellfied in WPA 13. Therefore, the net demand in WPA 14 is 4,063. Of this 4,063 AFY demand, 537 AFY was supplied by Salinas River Underflow and 2,856 AFY was supplied by the deeper Paso Robles Formation aquifer. The build-out forecast demand ranged between 12,150 and 13,500 AFY. This analysis assumed that 3,728 AFY would be supplied by the Thunderbird Wellfield in WPA 13. Therefore, the net forecast demand is 8,422 to 9,772 AFY.
12. Including demand in the Monterey County portion of the basin, and depending on the estimated use for the Agricultural and Rural sectors and future hydrology, basin studies are indicating that the perennial yield may be exceeded in the future. The agencies, County, District, and local land owners intend to actively and cooperatively manage the groundwater basin via the development of a Groundwater Management Plan.
13. Includes Low Impact Development/Rainwater Harvesting.
14. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.
15. Upper end of the range reflects demand projected in accordance with the draft Shandon Community Plan should it be approved by the Board of Supervisors in the future.
16. Via an institutional/physical mechanism for direct deliveries or groundwater banking.

4.8.14.6 Cholame WPA 15

The Cholame Valley Groundwater Basin is the only defined groundwater basin in this WPA. There are no urban water users or large population centers in this WPA, but there are some small public water systems. All other pumping is for residential and agricultural purposes by overlying users. No information is available describing basin yield. Therefore, it is uncertain whether a water supply deficit exists or not.

4.8.14.6.1 *Water Management Strategies*

Although there are no urban users in this WPA, and it is uncertain whether a supply deficit exists, the rural and agricultural users are encouraged to implement conservation measures to reduce demands. If supply deficits do exist, then other undefined groundwater basins could serve as a potential supply. Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting) and off stream storage.

Table 4.68 Cholame WPA 15 Water Management Strategies				
	Urban	**Agriculture**	**Rural**	**Environmental[4]**
Demand				
Existing Demand (AFY)	0	80	10	
Forecast Demand (AFY)	0	60-80	150-190	
Supply				
Cholame Valley Basin (AFY)[1]	0	80	10	
Other Groundwater Supply Sources (AFY)	0	Uncertain	Uncertain	
SWRCB Water Diversions (AFY)	0	41	0	
Total Supply (AFY)	**0**	**Uncertain**	**Uncertain**	
Environmental Water Demand				
Environmental Water Demand (AFY)				Uncertain
Unimpaired Mean Annual Discharge(AFY)				Uncertain
Water Supply Versus Demand Balance	**0**	**Uncertain[2]**	**Uncertain[2]**	**Uncertain**
Water Management Strategies and Potential for Implementation				
Further Conservation		**Greater**	**Greater**	
Unsubscribed Nacimiento Water Project				
Land Use Management[3]		Moderate	Moderate	

Table 4.68 Cholame WPA 15 Water Management Strategies

	Urban	Agriculture	Rural	Environmental[4]
Recycled Water				
Optimize Use of State Water Project				
Groundwater Banking/Recharge				
Groundwater Supply Sources		**Greater**	**Greater**	
Salinas Reservoir Expansion/Exchange				
Desalination				
Lopez Lake Expansion/Exchange				
New Off Stream Storage		Moderate		
Nipomo Supplemental Water Project				
Precipitation Enhancement				
New On Stream Storage				

Notes:
1. There is no information describing the basin yield.
2. It is uncertain but unlikely that an existing agricultural or rural supply deficit exists. The yield from the basin serving this water planning area is unknown, but the existing demands are minor. It is possible that future demands could exceed the basins safe yield, but without adequate information, this cannot be confirmed. Future studies should invest the resources to quantify the safe basin yield.
3. Includes Low Impact Development/Rainwater Harvesting.
4. The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

4.8.14.7 Nacimiento WPA 16

In this WPA, Lake Nacimiento is the primary source of supply for urban users and there are no significant groundwater basins. The Nacimiento Water Company serves the community of Oak Shores, which is on the banks of Nacimiento Lake. The water supply allocation for Oak Shores is part of the 1,750 AFY reserved for County residents in the Lake Nacimiento area.

The Heritage Ranch CSD has only one water supply source, the Gallery Well, which is fed via three horizontal wells located in the Nacimiento River bed just downstream of the Nacimiento Dam. Heritage Ranch CSD serves a residential community along the southern shores of Lake Nacimiento. Typically, the Nacimiento River is fed year-round by the release of water through the upper and/or lower outlet works in the dam at Lake Nacimiento. If no water is released from the lake, the Heritage Ranch CSD will not have a water supply. The 1,100 AFY of allocation of Nacimiento Reservoir water designated for use in Heritage Ranch's service area is part of the 1,750 AFY reserved for County residents in the Lake Nacimiento area.

4.8.14.7.1 *Water Management Strategies*

The 1,100 AFY Nacimiento Reservoir allocation for Heritage Ranch CSD is sufficient to provide water for anticipated build-out demand, but the configuration of the delivery system leaves the Heritage Ranch CSD vulnerable to a termination in water supply in an extreme drought. Alternative sources are under consideration, including taking water directly from the lake and connecting to the Nacimiento Water Project pipeline. A possible tie-in with Camp Roberts was explored, but was found to be infeasible due to the reluctance of Camp Roberts to consider any emergency water supply options.

Additional water conservation measures provide some opportunity to further reduce water demands. Further mandatory or emergency conservation would be used to off-set an emergency or reliability supply, but not to support growth. Conservation also does not provide the alternative supply needed during times of extreme drought.

Other water management strategies that received a moderate designation for implementation potential include land use management (includes low impact development and rainwater harvesting), groundwater supply sources (undefined groundwater basins), and new off-stream storage.

Table 4.69 Nacimiento WPA 16 Water Management Strategies

	Nacimiento Water Company[1]	Heritage Ranch CSD	Agriculture	Rural	Environmental
Demand					
Existing Demand (AFY)	[2]	619	3,860	280	
Forecast Demand (AFY)	[2]	935-1,039	4,740-7,120	730-880	
Supply					
Lake Nacimiento (AFY)	600[3]	1,100[3]	0	0	
Other Groundwater Supply Sources (AFY)	0	0	Uncertain[4]	Uncertain[4]	
SWRCB Water Diversions (AFY)	0	0	[5]	[5]	
Total Supply (AFY)	**600**	**1,100**	**Uncertain**	**Uncertain**	
Environmental Water Demand					
Environmental Water Demand (AFY)[9][11]					108,390
Unimpaired Mean Annual Discharge (AFY)[10][11]					251,120
Water Supply Versus Demand Balance	**Uncertain**	**481 surplus/61 surplus (possible deficit[6])**	**Uncertain[7]**	**Uncertain[7]**	**Uncertain[12]**

Table 4.69 Nacimiento WPA 16 Water Management Strategies					
	Nacimiento Water Company[1]	**Heritage Ranch CSD**	**Agriculture**	**Rural**	**Environmental**
Water Management Strategies and Potential for Implementation					
Unsubscribed Nacimiento Water Project					
Further Conservation	**Greater**	**Greater**	**Greater**	**Greater**	
Land Use Management[8]	Moderate	Moderate	Moderate	Moderate	
Recycled Water					
Optimize Use of State Water Project					
Groundwater Banking/Recharge					
Groundwater Supply Sources		Moderate			
Salinas Reservoir Exchange/ Expansion					
Desalination					
Lopez Lake Exchange/Expansion					
New Off Stream Storage		Moderate	Moderate		
Nipomo Supplemental Water Project					

Table 4.69 Nacimiento WPA 16 Water Management Strategies

	Nacimiento Water Company[1]	Heritage Ranch CSD	Agriculture	Rural	Environmental
Precipitation Enhancement					
New On Stream Storage					

Notes:
1. Nacimiento Water Company serves the community of Oak Shores.
2. No estimate available for the current or forecast demand.
3. The 600 AFY water supply allocation for Oak Shores is part of the 1,750 AFY reserved for San Luis Obispo County residents in the Lake Nacimiento area. Heritage Ranch CSD's allocation of Lake Nacimiento is 1,100 AFY.
4. Groundwater supply sources around Lake Nacimiento are the typical sources of supply for wells that serve agricultural and rural users. There is no information describing the yield for these groundwater supplies.
5. Diversions do not distinguish type of use. Potentially 1,048 AFY could be diverted for use to either agriculture or rural residential.
6. The Lake Nacimiento supply allocation is sufficient to meet forecast demands. However, if the lake's water level drops below the dam outlet (has never occurred but came to within two feet of the lower outlet works in October 1989), then Heritage Ranch CSD could lose its water supply.
7. It is uncertain whether an agricultural or rural supply deficit exists. Future studies should invest the resources to determine the basin yield for these groundwater supplies and the uses for the creek/river diversions. It is possible that the combined supplies from groundwater and creek diversions are sufficient to meet the agricultural and rural demands.
8. Includes Low Impact Development/Rainwater Harvesting.
9. Environmental Water Demand is defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. The federally threatened south-central California coast steelhead (Oncorhynchus mykiss) was used as the primary indicator species for the development of a reasonable estimation of the amount of water needed to support this species.
10. Mean daily flow values from stream gaging stations representative of long-term, unimpaired (or natural) flow conditions were used to derive unimpaired mean annual discharge (MAD) estimates. The unimpaired MAD is the cumulative flow for the creeks within the water planning area that were included in the calculation.
11. Estimates for environmental water demand include the watershed area for the Nacimiento River Index-station (162 square miles); though the Index-station is within WPA 16, most of the watershed area is not.
12. The Environmental Water Demand and Unimpaired Mean Annual Discharge are calculated for the entire water planning area and not for individual streams.

San Luis Obispo County
Master Water Report
Volume III of III

MAY 2012

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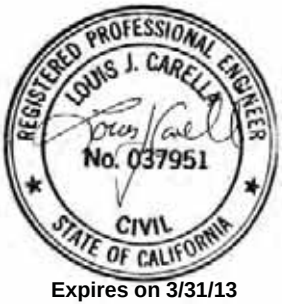
SAN LUIS OBISPO COUNTY MASTER WATER REPORT

May 2012



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San Luis Obispo County Flood Control and Water Conservation District

SAN LUIS OBISPO COUNTY MASTER WATER REPORT

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APPENDIX C TM No. 3, Water Supply Inventory and Assessment – Water Supply, Demand, and Water Quality
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PART III: WATER RESOURCE PLANNING

5.1 RELATIONSHIP OF MASTER WATER REPORT TO EXISTING DOCUMENTS

This chapter describes the relationship between the Master Water Report and the different State, County, and local agency water related documents, programs, or policies that guide water resource management decisions. In addition, this chapter also suggests coordination efforts that should occur in future updates to the Master Water Report that would promote consistency between the documents listed below.

5.1.1 California Water Plan

5.1.1.1 Description

The California Water Plan (CWP) provides a framework for water managers, legislators, other decision makers, and the public to consider options and make decisions regarding California's water future. The CWP, which is updated every five years, presents basic data and information on California's water resources including water supply evaluations and assessments of agricultural, urban, and environmental water uses to quantify the gap between water supplies and uses. The CWP also identifies and evaluates existing and proposed statewide demand management and water supply augmentation programs and projects to address the State's water needs.

The State's goal for the CWP is to meet Water Code requirements (Sections 10004 through 10013), receive broad support among those participating in California's water planning, and be a useful document for the public, water planners throughout the state, legislators and other decision-makers.

5.1.1.2 Relationship to Master Water Report (MWR)

This Master Water Report (MWR) utilized the California Water Plan for definitions of and information on water management strategies to consider in the County. To some extent, the MWR utilized the CWP's methodology of developing a range of future demands rather than one predicted demand value.

5.1.1.3 Timing

The CWP is on a schedule to release a 2013 update in March 2014, four years after the release of the 2009 Update. Since the requirement is to complete the updates every five years, the timing for a subsequent update is unclear. This MWR will assume the State follows this pattern for release every 4 years as a conservative approach.

5.1.1.4 Issues Related to Coordination

The CWP provides an opportunity for using consistent methodologies to develop water supply and demand estimates. However, it is important to evaluate the appropriateness of utilizing methodologies in the CWP locally. Items to consider include the data available versus the data needed, willingness and resources of individual agencies and groups that manage their water resources, resources of the District and County for future MWR updates, and various local issues that often are not accounted for adequately in State-wide templates.

5.1.1.5 Recommendations for Coordination

- Determine the appropriateness of utilizing CWP methodologies in future MWR updates
- Consider the timing of CWP updates in developing a schedule for updating the MWR

5.1.2 Integrated Regional Water Management Plan

5.1.2.1 Description

In November of 2002, Proposition 50 was passed by California voters, approving Chapter 8 (Water Code 79560 to 79565) and the Integrated Regional Water Management (IRWM) Program. To participate and be eligible for water resources planning and project grant funding, water agencies were asked to form a region when their jurisdictional boundaries overlap the same or connected watersheds and/or groundwater basins, and involve appropriate stakeholders to integrate water supply, water quality, ecosystem, and flood control issues into their water resources planning and projects. Associated grant program guidelines require the development and adoption of an IRWM Plan for the region prior to applying for grant funding.

The District, in cooperation with the Water Resources Advisory Committee (WRAC), has developed an IRWM Plan for the region defined as the County boundary. The San Luis Obispo County Region's IRWM Plan integrates all of the programs, plans and projects lead by entities within the region into water supply, water quality, ecosystem preservation and restoration, groundwater monitoring and management, and flood management programs. Depending on grant program funding criteria, projects within the IRWM Plan can be submitted by the District via the grant application process to the appropriate State agency for consideration. Additional State grant programs that utilize the IRWM Program include components of Propositions 84 and 1E.

5.1.2.2 Relationship to MWR

State guidelines require certain information be included in IRWM Plans, including a description of the region, water supply and demand information, and water resources projects and programs. The MWR is incorporated into appropriate sections of the IRWM Plan in accordance with the guidelines. The IRWM Plan also contains goals and objectives

for water resources management that are utilized in the MWR for evaluating strategies to address water supply and demand discrepancies,

5.1.2.3 Timing

There is no set requirement for updating IRWM Plans. However, release of new guidelines for new grant opportunities and grant requirements can drive and/or set timelines. For example, the San Luis Obispo County Region's 2007 IRWM Plan will be updated in 2011-2012. This will be done in order to either meet current guidelines prior to the next round of grant funding, or to comply with a potential grant opportunity for 2011 that requires update of an IRWM Plan to current guidelines within 2 years of executing a grant agreement.

5.1.2.4 Issues related to coordination

Since the District is currently the lead agency in developing both the IRWM Plan and MWR in coordination with the WRAC, the main issue with coordination is limited to availability of District resources to manage both documents.

5.1.2.5 Recommendations for coordination

Via the WRAC, consider modifying the governance structure for IRWM Plan development and implementation to diversify resources for IRWM Plan development and implementation, to ensure it is a stakeholder-driven effort and to free up District resources for implementation of MWR recommendations. Incorporate climate change considerations included in future IRWM Plans into future drafts of the MWR.

5.1.3 County General Plan

California law requires every city and county in the state to prepare and adopt a comprehensive long-range General Plan for the physical development of the jurisdiction (California Government Code §65300). Each General Plan must include seven mandatory elements: land use, circulation, housing, conservation, open space, safety, and noise. General Plans may include other optional elements as desired. Any discussions of water in the General Plan must also be prepared in coordination with water suppliers (3,000 connections or more) and include any information on water supply and demand prepared pursuant to §65352.5 (CA Government Code). The following section discusses the components of the County's General Plan that are relevant to the MWR.

5.1.3.1 Conservation and Open Space Element

5.1.3.1.1 *Description*

San Luis Obispo County has an abundance of natural resources and open space features that are fundamental to our quality of life. These features include majestic natural landmarks, outstanding scenic vistas, important wildlife habitats, diverse natural communities, unique historic and cultural resources, vibrant lakes and creek corridors,

dynamic coastal and marine environments, clean air, and bountiful soils. However, the County's special character is vulnerable to development pressure that can incrementally degrade biodiversity and threaten ecologic, historic, scenic, and other natural resources.

The Conservation and Open Space Element (COSE) is a tool to protect and preserve these unique community resources. Conservation is the planned management, preservation, and wise utilization of natural resources and landscapes to ensure their availability when needed. Conservation means using efficient technologies and changing wasteful habits. Conserving, renewing, and restoring natural resources will assure their greatest ecologic, economic, or social benefit over time. This is necessary in order to enjoy scenic beauty and recreation, eliminate or minimize premature and unnecessary conversion of open space to urban uses, maintain public health and safety, and support a vital economy.

The state requires conservation elements to address water issues with regard to the conservation, development, and utilization of this resource. The COSE contains goals, policies, and policy implementation strategies to this effect for the unincorporated areas of the County.

5.1.3.1.2 *Relationship to MWR*

This MWR was developed with consideration of COSE policies, goals and implementation strategies to project supply and demand and to evaluate and recommend strategies to address discrepancies in supply and demand projections. It is anticipated that implementation of recommendations in the MWR will accomplish certain water resources policy implementation strategies in the COSE and vice versa.

5.1.3.1.3 *Timing*

The County's COSE was updated in 2010. There is no set schedule for COSE updates; however, individual policy implementation strategies are anticipated to be initiated over time.

5.1.3.1.4 *Issues related to Coordination*

Since the COSE and this MWR were developed utilizing IRWM Plan goals and objectives, the two efforts are well aligned.

5.1.3.1.5 *Recommendations for Coordination*

Coordinate between County Departments as appropriate and in conjunction with the WRAC on the implementation of MWR recommendations and COSE policy implementation strategies related to water resources.

5.1.3.2 Land Use and Circulation Element

5.1.3.2.1 *Description*

The Land Use and Circulation Element (LUCE) of the General Plan contains policies that govern the way land is used and the way people move around in the unincorporated areas of San Luis Obispo County. The LUCE update (currently underway) is a consolidation and revision of the current LUCE for the rural areas of the county. The update will focus on planning at a regional level in order to protect agriculture and other important resources, and planning for expected growth through the year 2035, including economic development and a wider range of housing opportunities.

The LUCE will confront challenges within San Luis Obispo County such as long-term water resources, increased cost of infrastructure, effects of increasing rural development, and rural growth and the effects on agriculture, as well as traffic volumes and congestion. Addressing these issues will help to assure a sustainable and growing economy.

Objectives of the LUCE include, but are not limited to:

- Consolidating 15 planning areas into fewer areas (using watersheds and groundwater basins as boundaries),
- Implementing the County's strategic growth policies and state legislation (Senate Bill 375) by shifting inappropriate rural growth potential away from rural areas and protecting agricultural and natural resources,
- Planning for growth based on sustainable resources,
- Engaging in a high level of collaboration with communities, mutual water companies, community services districts, and cities.

5.1.3.2.2 *Relationship to MWR*

Both the LUCE and the MWR contain land-use based water demand projections for the unincorporated rural and agricultural areas of the County and coordinate with appropriate water providers for water resources planning information within urban and village reserve lines. One of the major themes for the LUCE update is planning so that future growth is in keeping with resources such as water supply so that both are sustainable. The MWR also seeks to understand the effect of allowable land use on water resources.

5.1.3.2.3 *Timing*

An update to the LUCE started in January 2010 and is anticipated to be completed in August of 2012.

5.1.3.2.4 *Issues related to Coordination*

The main issues are related to timing and planning area designations. Since the LUCE is being updated after the majority of the analysis in this MWR had been completed, water

demand estimates will likely be different. While both were based on allowable land uses according to the current General Plan, the analysis for the LUCE update will be even more refined and on a parcel-specific basis. In selecting planning area designations, the MWR was free to utilize watersheds and groundwater basins, with consideration of local/sub-regional water resources-related jurisdictions, while the LUCE will likely use the Coastal Zone boundary in the formation of its planning area designations in order to address different land use requirements in the Coastal Zone versus the inland areas. Other than the Coastal Zone boundary, however, the planning area designations for the MWR and the LUCE are anticipated to be very consistent.

5.1.3.2.5 *Recommendations for Coordination*

- Utilize the land use analyses conducted for the LUCE in future MWR updates which will aid in demonstrating the effect on water resource demands between allowable land uses in the current General Plan versus land uses that are recommended based on implementation of strategic growth principles. Understanding this difference will aid the County, and potentially others, in determining effective land use based strategies to sustain water resources,
- Maintain a GIS-based system for updates to both efforts in the future.

5.1.3.3 <u>County Resource Management System</u>

5.1.3.3.1 *Description*

The Resource Management System (RMS) component of the General Plan focuses on collecting data in order to avoid and correct resource deficiencies with regard to six essential resources: water supply, water systems, wastewater treatment systems, schools, roads, and air quality. This information historically has been compiled in an Annual Resource Summary Report (ASR) that guides decisions about balancing development with the resources necessary to sustain such development. It focuses on collecting data, identifying resource problems, and recommending solutions. The RMS contains “triggers” to implement certain actions such as conservation or supplemental water development measures to avoid or correct resource deficiencies. These triggers are designated as Levels of Severity I, II, and III, and are tied to time frames to implement improvements or to enhance declining resources.

When an ASR identifies a level of severity for an area, the Board typically directs staff to prepare a Resource Capacity Study (RCS) for that area. The RCS is to provide a more detailed analysis and determination of the level of severity prior to certifying the level of severity and taking action to address the deficiency. An RCS draws from existing studies and information to confirm the level of severity determination and recommends actions for the Board to take within its authority to address the resource issue.

5.1.3.3.2 *Relationship to MWR*

There is an opportunity for MWR updates to utilize data collected on an annual basis by the RMS to document and analyze current and historical trends of supply and demand, compare actual water demands to the predicted range of future demands, and assist water resource management efforts. The RMS and RCSs can monitor the implementation of MWR recommendations to track and provide updates on water resource management strategies that are being implemented throughout the County. Recommendations for improved monitoring throughout the County were adopted by the Board in 2009 that when implemented, will benefit both the RMS and MWR updates by providing better data to assess water supply and demand.

5.1.3.3.3 *Timing*

The ASRs for the RMS are based on the water year, July 1st to June 30th, and are generally reviewed and approved by the Board early the following calendar year. RCSs are developed upon direction by the Board.

5.1.3.3.4 *Issues Related to Coordination*

Historically, the RMS has collected and reported on actual pumping and delivery data from water providers throughout the County that are willing to provide the information on an annual basis. This may not be reflective of the demand factors water providers, and consequently the MWR, utilize for planning purposes to assess the amount of supply needed to meet demand. For example, a common methodology for determining the water demand for planning is a ten-year running average, to account for fluctuations in demand year to year. Efforts are underway to refine the approach to presenting data in the ASRs for the RMS with regard to this issue.

Rural and agricultural demand data are lacking in a majority of the County, making it challenging for both the RMS and the MWR to assess whether a certain water resource is being used at or beyond its capacity. While implementation of the recommendations from the 2009 RMS ASR, along with other voluntary efforts to provide data, will go a long way, data collected over a longer time frame is most useful for planning purposes.

The MWR covers the whole County while the RMS is generally limited to population centers. Therefore, the annual mechanism for data collection is also limited to population centers. The County should consider expanding the RMS to include all areas of the County,

5.1.3.3.5 *Recommendations for Coordination*

- Continue to consider the RMS's contribution to other efforts like the MWR and others listed in this chapter in refining the approach to periodic reports and Level of Severity definitions.
- Refine data collection efforts with consideration of ultimately utilizing the data to assess resource capacity and conditions.

5.1.3.4 Agricultural Element

5.1.3.4.1 *Description*

The Agriculture Element focuses on wisely managing and protecting agricultural land-use resources in San Luis Obispo County. The mission of the Agriculture Element is to identify those areas of the county with productive farms, ranches and soils, and establish goals, policies and implementation measures that will enable their long-term stability and productivity. Key policies that relate to water resources are included below:

AG Policy 10: Water Conservation.

a. Encourage water conservation through feasible and appropriate "best management practices." Emphasize efficient water application techniques; the use of properly designed irrigation systems; and the control of runoff from croplands, rangelands, and agricultural roads.
b. Encourage the U.C. Cooperative Extension to continue its public information and research program describing water conservation techniques that may be appropriate for agricultural practices in this county. Encourage landowners to participate in programs that conserve water.

AG Policy 11: Agricultural Water Supplies.

a. Maintain water resources for production agriculture, both in quality and quantity, so as to prevent the loss of agriculture due to competition for water with urban and suburban development.
b. Do not approve proposed general plan amendments or rezonings that result in increased residential density or urban expansion if the subsequent development would adversely affect: (1) water supplies and quality, or (2) groundwater recharge capability needed for agricultural use.
c. Do not approve facilities to move groundwater from areas of overdraft to any other area, as determined by the Resource Management System in the Land Use Element.

Other Related Policies

Several other policies speak to land use preferences and environmental protection that, when implemented, help to protect water resources and/or preserve water resources for agricultural uses,

5.1.3.4.2 *Relationship to MWR*

Recommendations in the MWR are consistent with the policies in the Agriculture Element with respect to promotion of conservation and best management practices, understanding the condition of County water resources and optimizing use of surface water supplies for urban areas and/or to relieve pressure on groundwater basins as a source of supply.

5.1.3.4.3 *Timing*

The Agriculture Element is not anticipated to be updated in the foreseeable future.

5.1.3.4.4 *Issues Related to Coordination*

Given the prevalence of agricultural operations in the County, and that they are largely independently owned and operated, evaluating agricultural water demand on a land use basis and applying the various land use policies within the General Plan could result in a range of water demand forecasts. The wide variety of crop production systems and irrigation amounts contribute to the range of demand forecasts. Conversely, defunding of the Williamson Act could result in major efforts to develop land currently in agriculture—with unanticipated impacts on water resources.

5.1.3.4.5 *Recommendations for Coordination*

- Ensure agricultural processing facilities are included in agricultural demand calculations as appropriate and in accordance with the Agriculture Element.
- Consider the effect of land use policies when evaluating future demand scenarios.
- Track how implementation of MWR recommendations also implements Agriculture Element policies.

5.1.4 Sub-Regional/Area Water Resources Planning Documents

5.1.4.1 Description

Water suppliers that provide water directly, or treated water indirectly, to 3,000 connections or more, or in an amount of 3,000 AFY or more, are required to submit Urban Water Management Plans (UWMPs) to the State every five years (years ending in 00 or 05). For urban water purveyors, the UWMP is possibly the most critical and current source of information for updating the Master Water Report. These UWMPs document:

- Water supply source descriptions
- Historical water demands and demand projections
- Implementation of demand management measures
- Water shortage contingency plans
- Other water resources management strategies

Other water suppliers may from time to time develop water system master plans that contain similar information, but focus primarily on water distribution infrastructure and not water supply.

On a sub-regional basis, there are groundwater basin management groups that have been formed, as a result of court proceedings or voluntarily, that conduct and report on groundwater basin supply, demands, conditions, and management efforts.

On a regional basis, the San Luis Obispo Council of Governments (SLOCOG) has produced Community 2050, a Blueprint for Tomorrow's Growth, which is a collaborative

planning effort that utilizes scenario planning to study long-range regional growth. Together, public officials and community participants compared different growth scenarios using performance indicators such as traffic congestion, farmland conversion, housing production and economic benefit. Information derived from Community 2050 was presented in a regional vision to aid local jurisdictions in making improved investment decisions. Community 2050 includes water management principles and implementation strategies utilizing the region's 2007 IRWM Plan.

5.1.4.2 Relationship to MWR

These local, sub-regional and regional documents provide important supply and demand information and guidance on water management strategy evaluations for this MWR. Future updates to the water demand and supply sections of the MWR will be based primarily on these documents.

5.1.4.3 Timing

UWMPs are generally due to the State in years ending in 0 and 5. As a result of new legislation and changes to the Water Code, the deadline was extended to July 1, 2011, for 2010 UWMPs. Since UWMPs are prepared on a set schedule, updates to the MWR could be coordinated with the completion of these reports. Water System Master Reports are developed as needed by individual water suppliers. Reports from groundwater basin management groups are generally produced annually, with special studies released as needed. The draft Community 2050 document was released in December of 2008.

5.1.4.4 Issues related to coordination

Since there are so many individual water suppliers/management groups in the County, with various approaches to water resources planning, time-tables for completing or updating their documents, and levels of resources to participate in the development of the MWR, obtaining a consistent "snapshot" of supply and demand analyses can be a significant and challenging effort. Also, many of the water purveyors do not meet the water supply or service connection threshold for preparing an UWMP.

5.1.4.5 Recommendations for Coordination

- Develop a consolidated, coordinated mechanism for gathering County-wide water supply and demand information to avoid redundancy and ensure consistency.
- Consider the timing of release of local and sub-regional documents in developing a schedule for updating the MWR.
- Consider the analyses conducted to develop Community 2050 when updating the land use-based water demand analysis in the MWR.

5.2 RECOMMENDATIONS FOR FUTURE MASTER WATER REPORT UPDATES

One option is to update the MWR on a five year cycle, following the completion of UWMPs. Most water purveyors completed their 2010 UWMPs in June 2011. Unfortunately, this MWR update was initiated prior to the start of the 2010 UWMP cycle. The next cycle of UWMPs will be prepared in 2015 and the MWR could be updated in 2016 to have the most current urban water demand and supply information,

Other documents like the California Water Plan, the County General Plan, and IRWM Plan are not as predictable with their scheduled updates, so linking future MWR updates to these documents would not promote a consistent assessment of County-wide demands and supply,

Since UWMPs are updated in years ending in 0 or 5, the MWR could be updated in years ending in 1 or 6 (i.e. 2016, 2021, 2026, 2031…).

5.2.1 Areas of Improvement and Data Limitations

Certain areas discussed in this MWR update lacked sufficient data or the data was antiquated and did not reflect current conditions. Below is a brief list of areas where increased investigation or collection of current data would be useful in the long term planning needs of the County and future MWR updates,

- The description of hydrologic conditions of several groundwater basins are over 50 years old and should be updated.
- Future updates should gather groundwater supply information for undefined groundwater basins or fractured rock formations. Sufficient water supply appears to exist to support rural and commercial agricultural operations outside of defined basins and a better understanding of these supplies is needed,
- The agricultural demand assessment relied on the County Agriculture Commissioner's GIS pesticide database. The pesticide use permits provide the most accurate information available regarding the location of planned commercial agricultural production during the year, but in some instances may not be entirely accurate. Occasionally sites which obtain permits are not planted for a variety of reasons, and many vegetable crop sites may be planted with more than one crop rotation during a year (Isensee, 2009). More detailed investigation should be invested to assess the demands from these irrigated pastures that are not reported to the Agriculture Commissioner. The District could also consider completing a separate study that focused entirely on the County's agricultural demands and developing accurate irrigation rates by water planning area.

- The rural water demand assessment will need to be revised to match the County Planning Department's update on rural development and subdivision potential in unincorporated areas of the County,
- The current approach for evaluating the County's demands by water planning area should be refined to investigate the demand versus supply on a groundwater basin or watershed basis. The water planning areas could be maintained, but the understanding between demand and source of supply would be improved if the investigation looked more closely than the water planning area level.
- Environmental water demand planning-level assessments such as this one do not take the complexity of natural systems into consideration. Site- and project-specific instream flow requirements need to be completed to be able to determine a water balance that accounted for environmental water demand on a water planning area basis in future Master Water Reports. This would allow the environmental water demand to be quantified and represented on a sub-watershed or creek basis. The first steps in this effort are establishing appropriate data collection sites, identifying opportunities for coordination with appropriate entities on the effort and prioritizing locations to study first.

APPENDIX A - TM NO. 1, DESCRIPTION OF AVAILABLE DATE, PREPARED BY WALLACE GROUP IN ASSOCIATION WITH CAROLLO ENGINEERS, FUGRO WEST INC., AND CLEATH-HARRIS GEOLOGISTS

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

TECHNICAL MEMORANDUM NO. 1

AVAILABLE DATA DESCRIPTION

DRAFT
April 2011

7580 NORTH INGRAM AVENUE • SUITE 112 • FRESNO, CALIFORNIA 93711 • (559) 436-6616 • FAX (559) 436-1191

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

AVAILABLE DATA DESCRIPTION

TECHNICAL MEMORANDUM
NO. 1

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DESCRIPTION OF AVAILABLE DATA

This Chapter provides an overview of the data available with respect to water resources in San Luis Obispo County (County). In addition to this memorandum, excerpts from the County's Data Enhancement Plan, which describes the County's water resources data collection network, are provided in Chapter 3 of the Master Water Plan (MWP). Included in this technical memorandum are brief descriptions and an overview of information related to available data for the following:

- Groundwater
- Stream Flow
- Precipitation
- Reservoirs
- Water Quality (import and surface waters, groundwater)

1.0 GROUNDWATER

There are many different types of data related to groundwater and hydrogeology. Information categories may include aquifer descriptions, hydraulic parameters, geologic cross-sections, base of permeable sediments maps, water levels and water level contour maps, groundwater in storage, hydrologic budgets, safe yield estimates, water demand, and water quality. Some of the data changes over time, requiring periodic monitoring. The MWP process updates groundwater information using the most recent available data in the public domain. The County has also implemented a Data Enhancement Plan, which will utilize the information from this MWP Update to populate a comprehensive database that includes groundwater data.

The tables below provide a reference guide to groundwater information for the various groundwater basins in the County. Many of the references contain historical information that is not used for this MWP update; however, they are of value to understanding a basin's hydrogeology and groundwater resources. The State Department of Water Resources also maintains an inventory of groundwater basins, with descriptive information that is updated periodically. Most local basins are identified with a DWR basin number, which is included in the data reference tables. Refer to Chapter 3 and Appendix B of the Master Water Plan for a detailed description of groundwater resources in the County.

Table 1.1 Groundwater Reference Table 1
Description of Available Data
San Luis Obispo County Flood Control and Water Conservation District

Sub-Region	Basin / Area	DWR Groundwater Basin reference number	Groundwater References[a]	Water Quality References[a]
North Coast	San Carpoforo Valley	3-33	1, 2, 3	1, 2, 3, 4
	Arroyo de la Cruz Valley	3-34	1, 2, 3	1, 2, 3, 4
	Pico Valley		102, 144	
	San Simeon Valley	3-35	1, 2, 3, 101, 105, 106, 107, 142, 143	1, 2, 3, 4, 101, 104, 105, 106, 107, 142, 143
	Santa Rosa Valley	3-36	1, 2, 3, 101, 103, 105, 106, 107	1, 2, 3, 4, 101, 104, 105, 106, 107
Inland West	Atascadero Subbasin	3-4.06	1, 3, 110, 111, 112, 113, 114, 116, 117, 118, 119, 120, 121, 122	108, 109, 110, 111, 112, 116, 117, 120, 121
	Paso Robles Basin	3-4.06	1, 3, 111, 112, 113, 114, 115, 123, 124, 125, 76, 127, 128, 129, 130, 131, 132, 139, 140	1, 3, 111, 112, 115, 123, 124, 125, 126, 129, 130, 131, 132, 133, 134, 136, 139, 140
	Santa Margarita Valley	3-4.06	1, 3, 137, 138, 141, 145	1, 3, 135, 137, 138, 141
Inland Central	Paso Robles Basin	3-4.06	1, 3, 111, 112, 113, 114, 115	1, 3, 111, 112, 115
	Rinconada Valley	3-43	1, 3	
Inland East	Paso Robles Basin	3-4.06	1, 3, 111, 112, 113, 114, 115, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 139, 140	1, 3, 111, 112, 115, 123, 124, 125, 126, 129, 130, 131, 132, 133, 134, 136, 139, 140
	Carrizo Plain	3-19	1, 3	1
	Cholame Valley	3-5	1, 3	
	Pozo Valley	3-44	1, 3	1, 3
	Rafael Valley	3-46	1, 3	
	Big Spring Area	3-47	1, 3	

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Description of Available Data
San Luis Obispo County Flood Control and Water Conservation District

Sub-Region	Basin/Area	DWR reference number	Groundwater References	Water Quality References
North Coast	Villa Valley	3-37	1, 2, 3, 28, 37	1, 2, 3, 4
	Cayucos Valley	3-38	1, 2, 3, 5, 6, 37, 61	1, 2, 3, 4, 5
	Old Valley	3-39	1, 2, 3, 36, 37, 61	1, 2, 3, 4, 36, 66
	Toro Valley	3-40	1, 2, 3, 5, 37	1, 2, 3, 4, 5
	Morro Valley	3-41	3, 7, 8, 9, 28, 36, 37	4, 7, 8, 9, 11, 36
	Chorro Valley	3-42	3, 7, 8, 10, 28, 37	4, 7, 8, 10, 11, 29, 30
	Los Osos Valley	3-8	3, 12, 13, 14, 15, 19, 28, 36, 37, 52, 70, 71, 72	4, 16, 17, 18, 20, 21, 29, 36, 70
South Coast - North	San Luis Obispo Valley	3-9	3, 22, 28, 32, 33, 36, 37, 68	4, 22, 23, 29, 30, 32, 33, 36, 68
	Edna Valley	3-9	3, 25, 28, 37, 46	4, 24, 29
South Coast - South	Pismo Valley	3-12	3, 26, 34, 45, 46	4, 29
	Arroyo Grande Creek Valley	3-12	3, 26, 28, 37, 42, 43, 45	4, 29, 30
	Northern Cities	3-12	3, 26, 28, 31, 37, 41, 42, 43, 45, 48, 57	4, 29, 48, 57, 62, 63
	Nipomo Mesa	3-12	3, 26, 27, 28, 37, 38, 40, 44, 45, 48, 52, 57, 73, 74	4, 29, 30, 39, 44, 48, 57, 67, 74
	Santa Maria Valley	3-12	3, 26, 28, 36, 37, 45, 47, 49, 50, 51, 54, 56, 57, 60, 73	4, 29, 30, 36, 49, 54, 56, 57, 60
	Huasna Valley	3-45	3, 37	4
	Cuyama Valley	3-13	3, 37, 51, 58, 59	4, 29, 30, 36, 58

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(74) NMMA Technical Group, Nipomo Mesa Management Area, 1st Annual Report, Calendar Year 2008, submitted April 2009.

2.0 STREAM FLOW

Refer to Chapter 3 and Appendix D of the Master Water Plan for a description of available stream flow data.

3.0 PRECIPITATION DATA SOURCES

Precipitation data is important to reference to understand how various micro-climates throughout the County or region impact local water demands. SLOCountyWater.org has a hyperlinked map of nearly 100 precipitation gages throughout the County with data associated with each gage. There are three types of gages, ALERT, Field Download, and Volunteer, each with its own level of data detail as described below:

- ALERT Gages: These automated gages provide real-time rainfall data. Historic data is not available from the website.
- Field Download Gages: Provide daily rainfall totals for the entire period of record. Short duration intensities are also shown for each water year.
- Volunteer Gages: Provide daily rainfall totals for the period of record and include a summary of monthly rainfall totals for the period of record. Some gages have continuous measurements from over 50 years of record.

The County Hydrology Report provides detailed descriptions and data for precipitation gages listed on the SLOCountyWater.org website.

The County Flood Control and Water Conservation District published an isohyetal map of the County showing average annual precipitation based on a 42-year period from 1956 to 1998. The map (Figure 1 below) is part of the County's Department of Public Works Public Improvement Standards.

The California Data Exchange Center (CDEC) (http://cdec.water.ca.gov/precip_maps/cc_1212precip.html) shows a map of 12 precipitation gages throughout the County with data associated with each gage. Some gages have over 100 years of record. Some data are monthly, but most are hourly.

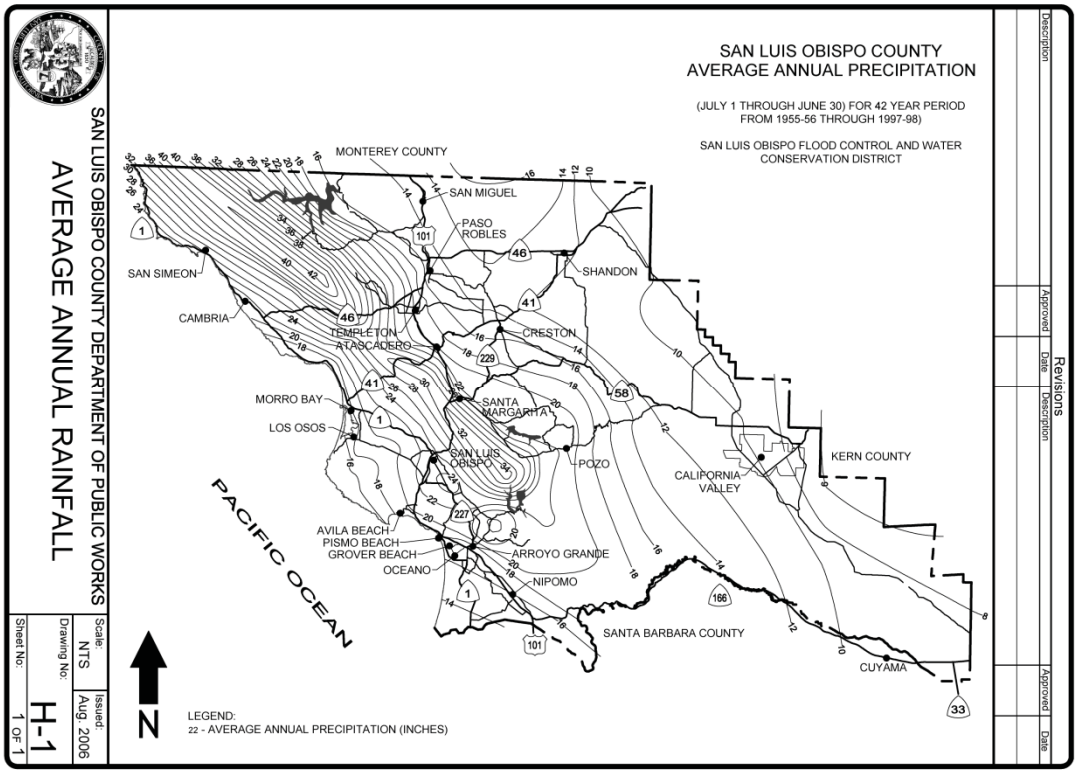
The California Irrigation Management Information System (CIMIS) (http://wwwcimis.water.ca.gov/cimis/welcome.jsp) weather stations collect weather data on a minute-by-minute basis, calculate hourly and daily values and store them in the data loggers. A computer at the Department of Water Resources (DWR) headquarters in Sacramento calls every station starting at midnight Pacific Standard Time (PST) and retrieves each day's data. Registered users may obtain not only rainfall, but many other weather data from this site, including evapotranspiration, temperature, wind speed, humidity, etc. There are four CIMIS weather stations in the County, with two in San Luis Obispo, one in Atascadero and one in Nipomo.

The National Weather Service (http://www.cnrfc.noaa.gov/rainfall_data.php) collects and reports data from approximately 28 rainfall gages in the County. Users can create custom maps showing daily rainfall totals for each County gage for any day back to November 2005. Data from earlier periods are available in other formats.

National Oceanic and Atmospheric Administration (NOAA) rainfall maps (NOAA Atlas 2) are available at http://www.nws.noaa.gov/oh/hdsc/noaaatlas2.htm. These maps provide precipitation depths for 2, 5, 10, 25, 50, and 100-year storms for both 6-hour and 24-hour intervals. The underlying data for these maps is being updated and a new atlas will be released later this year (2009).

More information on precipitation data is available in Chapter 3 of the MWP.

Figure 1 County-wide Isohyetal Map of Average Rainfall



4.0 RESERVOIR DATA SOURCES

This section describes the available data sources for County-wide water supply reservoirs, and information on storage, elevations, and water allocations. Details of water allocations and contractual arrangements with purveyors, is discussed in Chapter 3 and Appendix C of the MWP.

4.1 Data Sources

SLOCountyWater.org has a hyperlinked map of six county reservoirs with some data associated with each reservoir:

- Lopez Lake: Daily storage and release data from 2000 to present and from 1968 to 1998 in tabular form. Monthly data from 1968 to 1998. Also gives general information on capacity (49,388 AF) and maximum water elevation (523 feet)
- Nacimiento Lake: Current Daily data for the past week, including storage, releases, and rainfall. Also gives general information on capacity (377,900 AF) and maximum water elevation (800 feet)
- Santa Margarita Lake (Salinas Reservoir): Daily storage and release data from 1970 to present in tabular or graphical plots. Monthly data from 1942 to 1971 and 1984 to 2002. Also gives general information on capacity (23,843 AF) and maximum water elevation (1300.74 feet)
- Whale Rock: Daily storage data from 2005 to 2007 to present in tabular format. Also gives general information on capacity (40,662 AF) and maximum water elevation (216 feet)
- Twitchell Reservoir: Though located in SLO County, it is operated by SB Co FCD as a flood control structure and is not used directly for water supply (though releases are metered to maximize groundwater recharge in the Santa Maria River, which recharges the Santa Maria Groundwater Basin, used by numerous purveyors in the south county).

CDEC (http://cdec.water.ca.gov/staInfo.html) has historical information for Nacimiento Lake, Santa Margarita, and Whale Rock (Lopez Lake is not included).

- Nacimiento Lake: Monthly storage data from 1958 to present in CSV format or graphical plots. Also gives general information on capacity (377,900 AF), monthly averages, crest elevation (825')
- Santa Margarita Lake: Monthly storage data from 1956 to present in CSV format or graphical plots. Also gives general information on capacity (23,000 AF), monthly averages, crest elevation (1,325')
- Whale Rock: Monthly storage data from 1961 to present in CSV format or graphical plots. Also gives general information on capacity (40,700 AF), monthly averages, crest elevation (233')

The City of San Luis Obispo Utilities Department' website (http://www.slocity.org/utilities/sources.asp) describes the present and future water supply sources for the City of San Luis Obispo, including Whale Rock Reservoir and Santa Margarita Lake. The City's 2005 UWMP also describes the two reservoirs in detail,

including operation, safe yield, siltation issues, and Salinas Reservoir expansion plans (currently on hold).

Zone 3's 2005 Urban Water Management Plan (2005 UWMP) provides data and other information for Lopez Reservoir and the various entities that use it as a water source. Size, safe yield, allocations and other information is included.

The County Hydrology Report provides descriptions and data for all County reservoirs, including Chorro Creek Reservoir, used by the California Men's Colony. The data table on page 110 of this report provides a concise source of information for each reservoir.

5.0 WATER QUALITY

This subsection describes the available water quality information and data, relative to County-wide groundwater basins, and water quality data available from water purveyors.

5.1 Sources of Data

The sources of data available are briefly described in this subsection. Available Consumer Confidence Reports CCR were referenced for each of the water purveyors. Appendix C of the MWP includes a water quality summary table organized by water purveyor.

6.0 UNIMPAIRED RUNOFF

Refer to Chapter 3 and Appendix D of the Master Water Plan for a description of available unimpaired runoff data.

7.0 LAND USE

Refer to Chapter 3 and Appendix D of the Master Water Plan for a description of available land use data.

8.0 AGRICULTURE

Refer to Chapter 3 and Appendix D of the Master Water Plan for a description of available agriculture data.

APPENDIX B - TM NO. 2, WATER SUPPLY INVENTORY AND ASSESSMENT – DESCRIPTION OF WATER RESOURCES, PREPARED BY WALLACE GROUP IN ASSOCIATION WITH FUGRO WEST INC., AND CLEATH-HARRIS GEOLOGISTS

TECHNICAL MEMORANDUM NO. 2

Date: March 29, 2010 (Updated 1.21.11)

To: JOSE GUTIERREZ, CAROLLO ENGINEERS

From: STEVE TANAKA, WALLACE GROUP

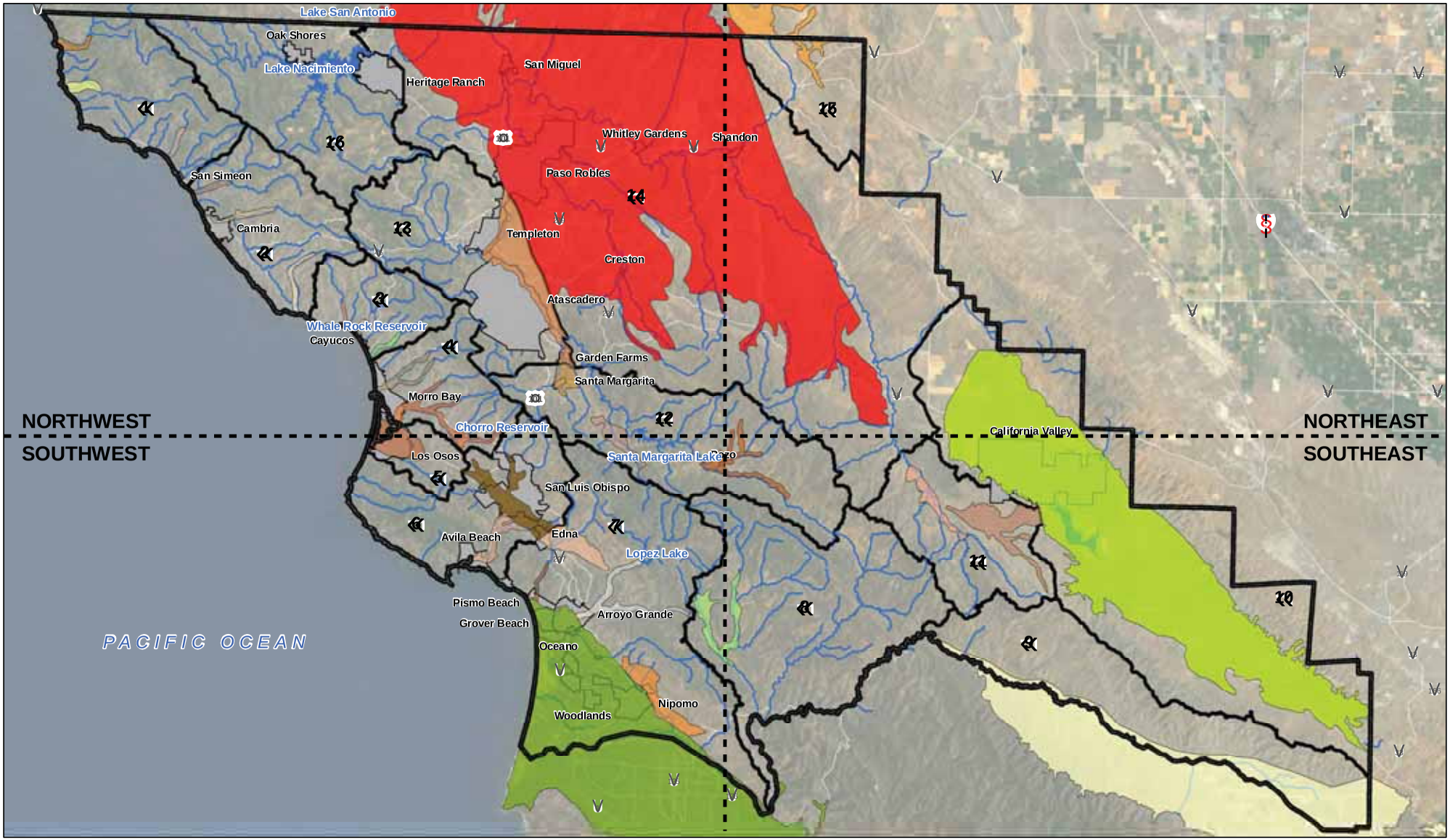
Subject: TASK C.3 WATER SUPPLY INVENTORY AND ASSESSMENT – DESCRIPTION OF WATER RESOURCES

In conjunction with Fugro West, Inc. and Cleath-Harris Geologists, we are submitting this technical memorandum No. 2 (TM) for Task C.3, Description of Water Resources. This TM focuses on groundwater resources throughout the County. A detailed list of groundwater reference documents, formatted as an Appendix, is to be included in the Master Water Plan. Water system production and consumption and other water resources including recycled water and desalination, is addressed in TM No. 3, Task C.3.

Groundwater basins are described in the following sections. The descriptions are arranged by Sub-region and Water Planning Area, as shown in Table 2.1 Refer to Figure 2.1 for a map depicting the groundwater basins in the region, and to Figures 2.2, 2.3, 2.4 and 2.5, respectively, showing four corresponding "quadrant" figures for basins in the northwest, northeast, southwest, and southeast areas of the County.

Table 2.1 – Groundwater Basins by Sub-Region

Sub-Region	WPA	Basin Name	Subbasin/Area
North Coast	1	San Carpoforo Valley	
		Arroyo de la Cruz Valley	
		Pico Creek Valley	
	2	San Simeon Valley	
		Santa Rosa Valley	
		Villa Valley	
	3	Cayucos Valley	
		Old Valley	
		Toro Valley	
	4	Morro Valley	
		Chorro Valley	
	5	Los Osos Valley	
South Coast	6	San Luis Obispo Valley	San Luis Valley Subbasin
			Avila Valley Subbasin
	7		Edna Valley Subbasin
		Santa Maria Valley	Pismo Creek Valley Subbasin
			Arroyo Grande Valley Subbasin
			Nipomo Valley Subbasin
			Northern Cities Management Area
			Nipomo Mesa Management Area
			Santa Maria Valley Management Area
	8	Huasna Valley	
	9	Cuyama Valley	
Inland	10	Carrizo Plain	
	11	Rafael Valley	
		Big Spring Area	
	12	Santa Margarita Valley	
		Rinconada Valley	
		Pozo Valley	
	13	Paso Robles	Atascadero Subbasin
	14		Paso Robles (main basin area)
	15	Cholame Valley	
	16	(none)	Nacimiento



San Luis Obispo County Flood Control and Water Conservation District

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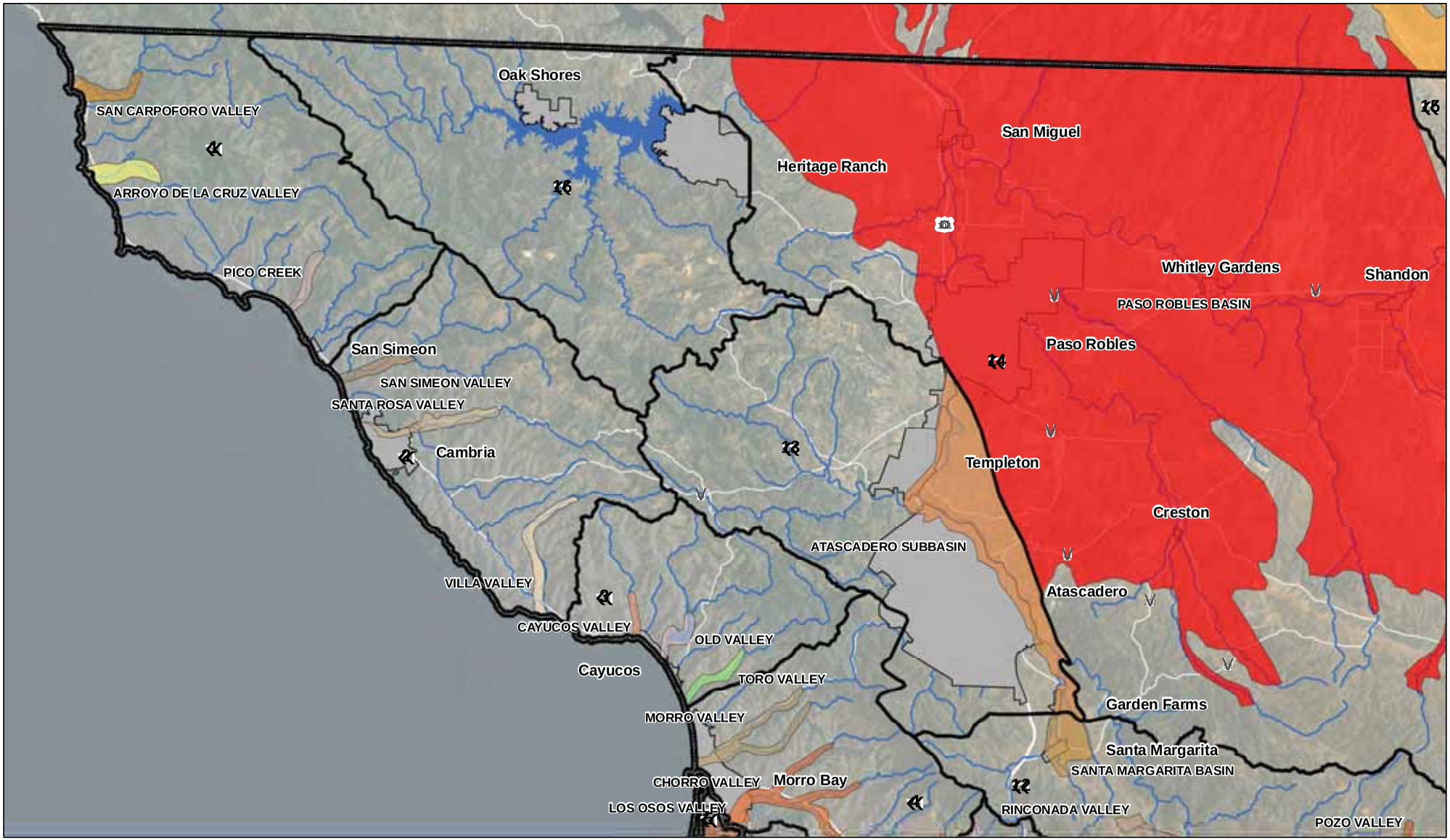
MASTER WATER PLAN

GROUNDWATER BASIN MAP

Legend

County Boundary
Water Planning Area
Water Body
URL/VRL Boundary
Major Rivers/Streams

FIGURE 2.1



San Luis Obispo County Flood Control and Water Conservation District

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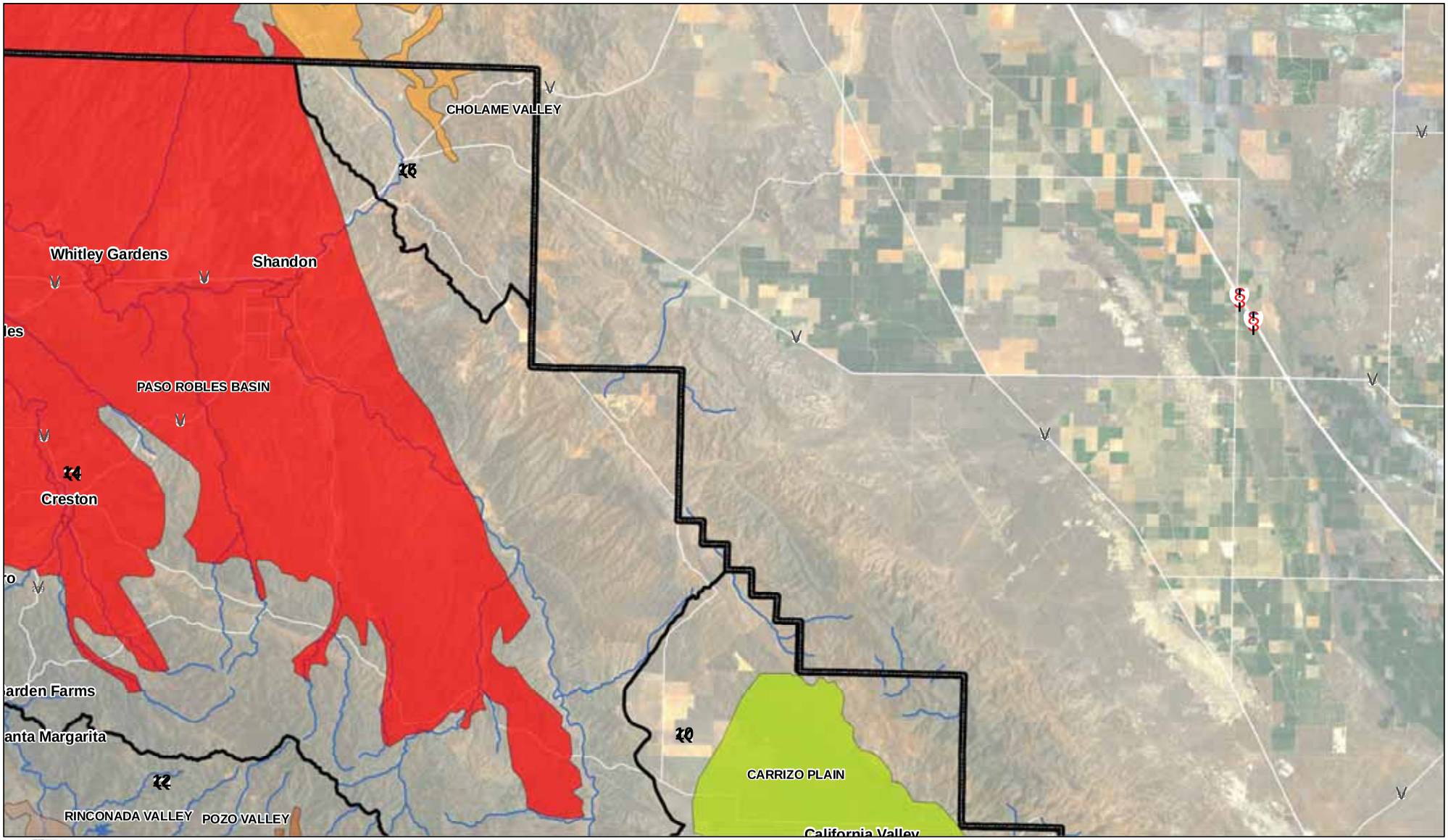
MASTER WATER PLAN

GROUNDWATER BASIN MAP NW

Legend

County Boundary
Water Planning Area
Major Rivers/Streams
URL/VRL Boundary
Water Body
Management Areas

FIGURE 2.2



San Luis Obispo County Flood Control and Water Conservation District

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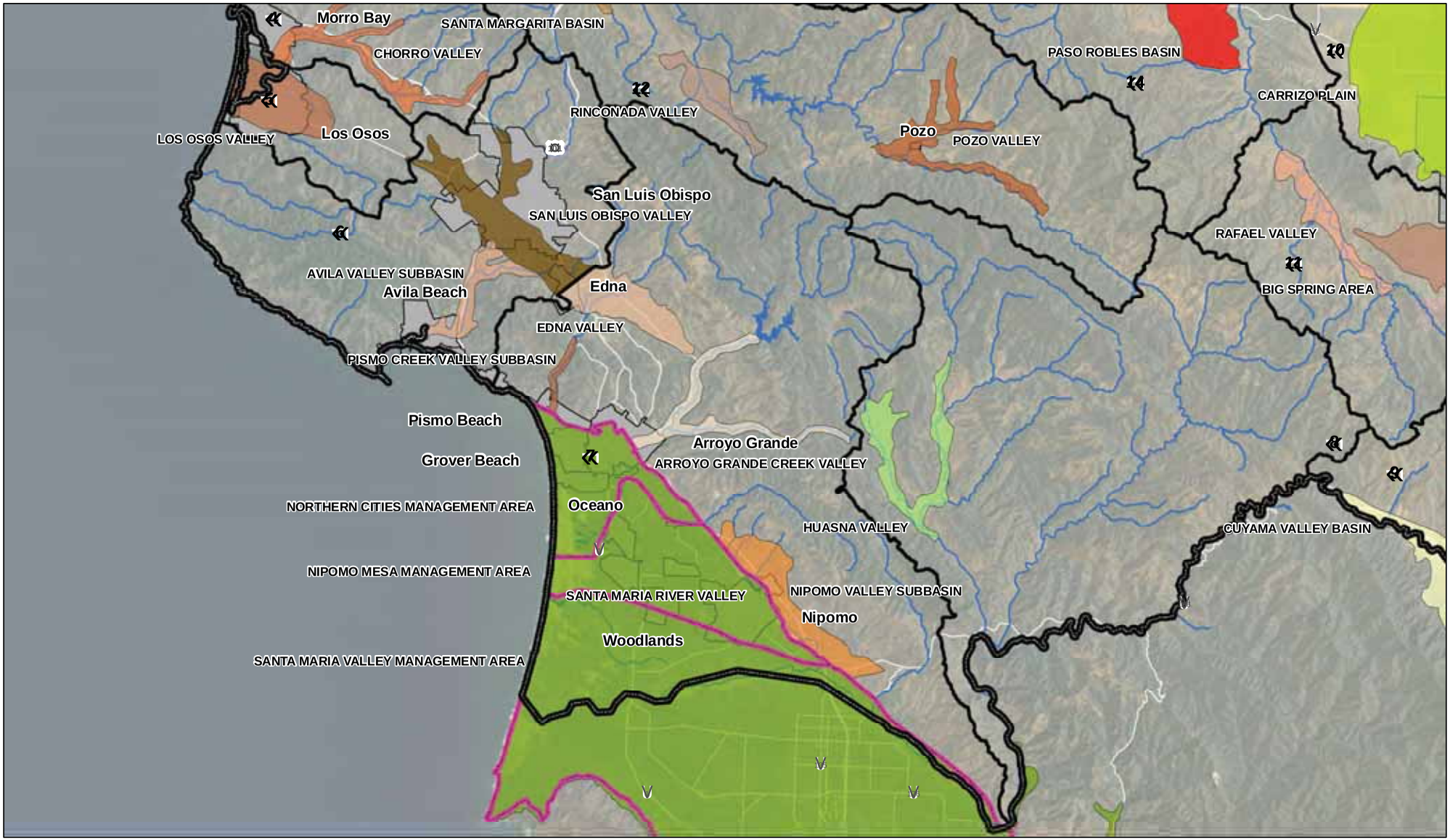
MASTER WATER PLAN

GROUNDWATER BASIN MAP NE

Legend

- County Boundary
- Water Planning Area
- Major Rivers/Streams
- URL/VRL Boundary
- Water Body

FIGURE 2.3



San Luis Obispo County Flood Control and Water Conservation District

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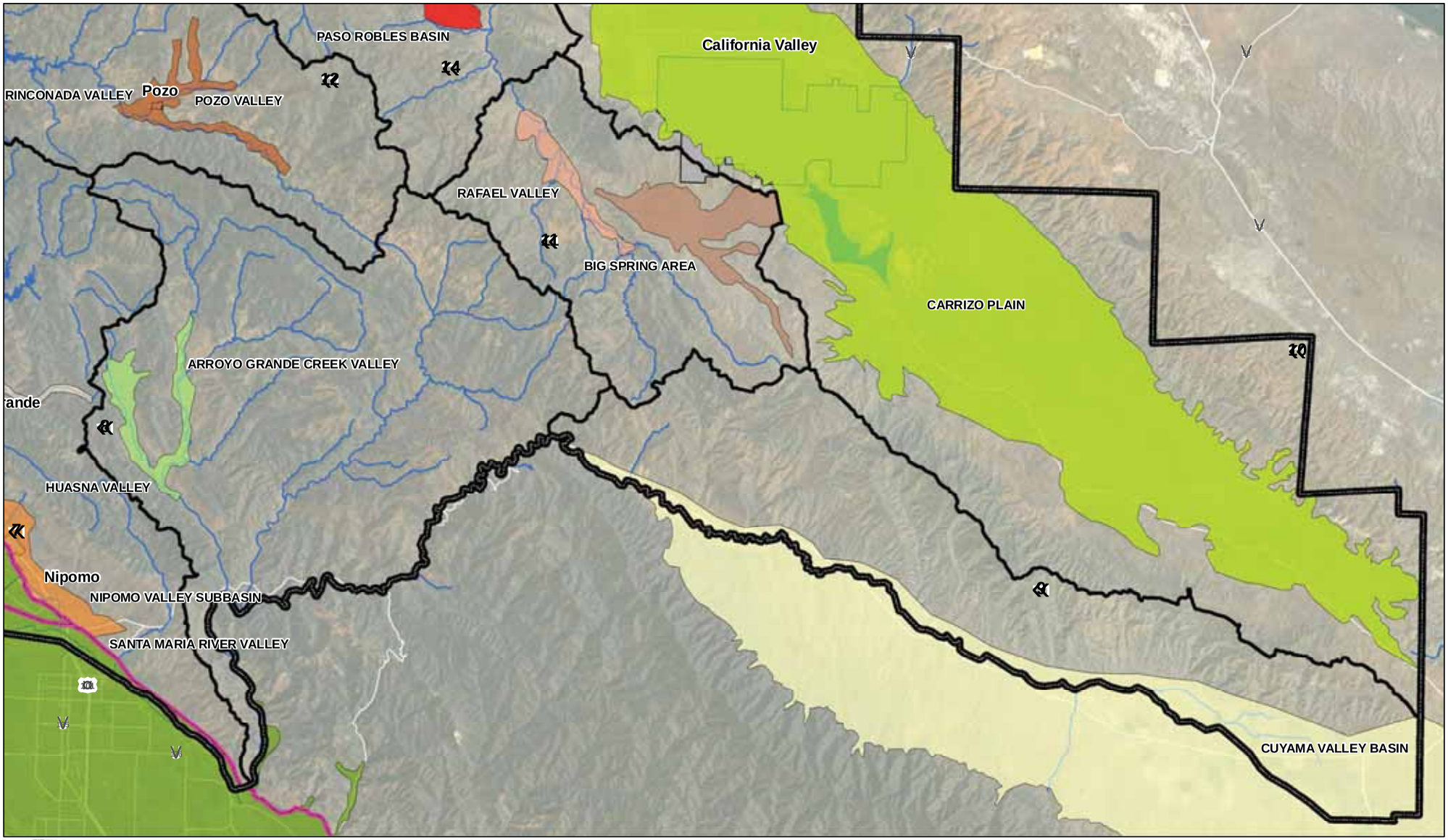
MASTER WATER PLAN

GROUNDWATER BASIN MAP SW

Legend

County Boundary
Water Planning Area
Major Rivers/Streams
URL/VRL Boundary
Water Body
Management Areas

FIGURE 2.4



San Luis Obispo County Flood Control and Water Conservation District

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MASTER WATER PLAN

GROUNDWATER BASIN MAP SE

Legend

County Boundary
Water Planning Area
Major Rivers/Streams
URL/VRL Boundary
Water Body
Management Areas

FIGURE 2.5

NORTH COAST SUB-REGION

The North Coast sub-region is comprised of five Water Planning Areas (WPA's), including San Simeon (WPA 1), Cambria (WPA 2), Cayucos (WPA 3), Morro Bay (WPA 4), and Los Osos (WPA 5). A brief description of the basins within each WPA is provided below, with details on groundwater supply aquifers, groundwater users, basin yield, water quality, and water availability.

San Simeon Water Planning Area (WPA) 1

Groundwater basin descriptions in WPA 1 include San Carpoforo Valley, Arroyo de la Cruz Valley, and Pico Creek Valley.

San Carpoforo Valley Basin

The San Carpoforo Valley Groundwater Basin is located in the WPA 1 of the North Coast sub-region (Figure 2.2) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-33 (DWR, 2003). The basin underlies the San Carpoforo Valley and is 200 acres (0.3 square miles) in size. It is bounded to the west by the Pacific Ocean and on all other sides by impermeable rocks of the Jurassic to Cretaceous age Franciscan Group. The valley is drained by San Carpoforo Creek. Average annual precipitation in the basin ranges from 21 to 25 inches. Recharge to the basin comes primarily from seepage of surface flows in San Carpoforo Creek and deep percolation of precipitation.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. According to Bulletin 118, groundwater is found in Holocene and late Pleistocene age alluvium (DWR, 2003). Recharge to the basin is predominantly percolation of stream flow and to a lesser extent percolation of precipitation and irrigation return flows. The groundwater storage capacity was estimated as 1,800 AF. There are no current estimates of actual groundwater in storage volumes. The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions.

Water Users. There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users.

Basin Yield. No estimates of basin yield exist.

Water Quality. No information is available describing water quality in the basin.

Water Availability. The primary constraints on water availability in the basin include physical limitations and potential water quality issues. Groundwater levels in the basin are likely highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. During drought periods, flows in San

Carpoforo Creek are likely insufficient to adequately recharge the channel alluvium and groundwater levels could subsequently be lowered significantly due to pumping. Significant lowering of basin groundwater levels at or below sea level near the coast could lead to seawater intrusion and degradation of water quality. Additional constraints that would limit water availability in the basin are unknown.

Arroyo de la Cruz Valley Basin

The Arroyo De La Cruz Valley Groundwater Basin is located in the WPA 1 of the North Coast sub-region (Figure 2.2) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-34 (DWR, 2003). The basin is 750 acres (1.2 square miles) in size and is bounded by the Pacific Ocean to the west and on all other sides by impermeable rocks of Jurassic to Cretaceous age Franciscan Group. The basin underlies a valley that is drained by Arroyo De La Cruz. Annual precipitation in the basin ranges from 20 to 24 inches. Recharge to the basin comes primarily from seepage of surface flows in Arroyo de la Cruz, deep percolation of precipitation, and agricultural irrigation return flows.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. According to Bulletin 118, the main water-bearing unit in the basin is Holocene to late Pleistocene age alluvium (DWR, 2003). The alluvial deposits consist of sand, gravel, and clay and are up to 130 feet thick. Groundwater is largely unconfined, with water level elevations above sea level. The specific yield of the basin is estimated as 18 percent. Recharge in the basin is predominantly from percolation of stream flow and to a lesser extent from percolation of precipitation and irrigation return flows. Groundwater movement is generally westward. The groundwater storage capacity is estimated as 6,600 AF; however the actual amount in groundwater storage is unknown. The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions.

Water Users. There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users.

Basin Yield**.** The safe yield of the basin was estimated to be 1,244 AFY (Enivcom, 1982).

Water Quality. Groundwater samples taken from 4 wells from 1957 to 1985 show total dissolved solids concentration ranging from 211 to 381 mg/l.

Water Availability. The primary constraints on water availability in the basin include physical limitations and potential water quality issues. Groundwater levels in the basin are likely highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. During drought periods, flows in Arroyo De La Cruz are likely insufficient to adequately recharge the channel alluvium and groundwater levels could subsequently be lowered significantly due to pumping. Significant lowering of basin groundwater levels at or below sea level near the coast could lead to seawater

intrusion and degradation of water quality. Additional constraints that would limit water availability in the basin are unknown.

Pico Creek Valley Basin

The Pico Creek Groundwater Basin is located in WPA 1 of the North Coast sub-region (Figure 2.2). Although studied elsewhere, the basin is not formally defined as a basin under California's Groundwater Bulletin 118 program. The basin is 62.5 acres (about one-tenth of a square mile) in size and underlies Pico Creek Valley (Cleath, 1986). The basin is bounded by the Pacific Ocean to the west and extends inland about 7,000 feet under the stream channel and floodplain of the Pico Creek. From the Pacific Ocean to about 1,200 feet inland, the basin is undeveloped. The Hearst Ranch is located from 1,200 feet inland to about 4,000 feet inland. Recharge to the basin comes primarily from seepage of surface flows in Pico Creek and deep percolation of precipitation.

Supply Aquifers. The main water-bearing unit in the basin is the Pico Creek alluvium (Cleath, 1986). The alluvium generally consists of sands, gravels, silt, and clay with a maximum thickness of about 60 feet, thinning in the northern, southern, and upstream directions in the valley. The alluvium between the ocean and Hearst Ranch is divided into a shallow and a deep aquifer, where the two aquifers are separated by a clay zone that acts as an aquitard. Above and below the clay zone are sand and gravel sediments. The saturated thickness of the shallow aquifer varies during the year and can be further divided into two layers: a layer above sea level and a layer below sea level. The saturated thickness of the layer above sea level varies in thickness from zero to 6 feet when the creek is flowing. The layer below sea level is continuously saturated and varies in thickness from 1 to 21 feet in the west to east direction. The deep aquifer below the clay zone is also continuously saturated and has a uniform thickness of about 19 feet (Cleath, 1986).

The clay zone is not present upstream of the Hearst Ranch and the alluvium eastward from there forms a single aquifer. The saturated thickness of the alluvium east of the Hearst Ranch is known to vary seasonally.

In general, the average specific yield of the alluvial sediments is about 17 percent. Recharge in the basin is predominantly from percolation of stream flow in the Pico Creek and to a lesser extent from percolation of precipitation. Historically, the creek flows during the winter months and does not flow during the summer months.

The basin contains groundwater stored both above sea level and below sea level. The available groundwater in storage above sea level is about 40 AF (Cleath, 1986). Much of the groundwater in storage below sea level has experienced sea water intrusion and is of lesser water quality. The available groundwater in storage below sea level is less than 50 AF.

Water Users. Water users in the basin include the San Simeon Community Services District and Hearst Ranch.

Basin Yield. The basin yield was initially estimated to be 120 AFY (Cleath, 1986).

Water Quality. Contamination of water supply wells due to seawater intrusion is a major water quality concern in the basin (Cleath, 1986). Lowering of groundwater levels below sea level in the basin during the summer months when creek flows are absent and pumping is active

can result in the landward migration of the sea water/fresh groundwater interface. Although seawater intrusion has increased salinity levels in groundwater pumped from local water supply wells, it has not degraded water quality to the point that the water is non-potable. The 2008 Consumer Confidence Report for two San Simeon CSD wells reported that measured concentrations of all analyzed contaminants were below their respective Maximum Contaminant Level (MCL) or Regulatory Action Level (AL) values. In particular, the measured total dissolved solids concentration was 380 mg/l.

Water Availability. The primary constraints on water availability in the basin include physical limitations and potential water quality issues. Currently the water supply of San Simeon CSD is at a certified Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands (SLO County, 2008). As a result, a moratorium on development has been in place since 1991.

Since at least the mid-1980s, sea water intrusion has occurred within the Pico Creek Groundwater Basin (Cleath, 1986). The location of the sea water/fresh groundwater interface is a function of annual climate and groundwater pumping in the basin. Although the actual basin yield will vary annually depending on local precipitation and stream flow in the creek, extractions during an average water year should be maintained less than the estimated average-year basin yield of 120 AFY. Restricting groundwater extractions to no greater than the basin yield is intended to help mitigate against the occurrence of seawater intrusion into the basin and subsequent degradation of groundwater quality.

Cambria WPA 2

Groundwater basin descriptions in WPA 2 include San Simeon Valley, Santa Rosa Valley, Villa Valley.

San Simeon Valley Basin

The San Simeon Valley Groundwater Basin is located in the WPA 2 of the North Coast sub-region (Figure 2.2) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-35 (DWR, 2003). The basin underlies San Simeon Valley and is 620 acres (1 square mile) in size. It is bounded to the west by the Pacific Ocean, to the east by the Santa Lucia Range, and elsewhere by impermeable Franciscan Group rocks. The basin is drained by San Simeon Creek. Precipitation varies across the valley from 20 inches along the coast to about 26 inches at the eastern end of the valley floor to more than 40 inches at the headwaters of San Simeon Creek. Recharge to the basin comes primarily from seepage of surface flows in San Simeon and Van Gordon creeks, deep percolation of precipitation, and agricultural irrigation return flows.

Supply Aquifers. According to Bulletin 118, groundwater is found in Holocene age alluvial deposits underlying San Simeon Creek (DWR, 2003). The alluvial deposits consist of unconsolidated gravel, sand, clay, and silt. The alluvium varies in thickness from about 100 feet beneath the center of the valley to more than 120 feet at the coast (Yates and Van Konyenburg, 1998). Groundwater in the alluvium is unconfined and generally flows westward. The alluvium has an estimated specific yield of 18 percent and is recharged predominantly by percolation of stream flow and to a lesser extent from deep percolation of precipitation and irrigation return flows (DWR, 1958). The groundwater storage capacity is estimated as 4,000 AF; however the

actual amount in groundwater storage is unknown (DWR, 2003). The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions.

Water Users. Water users in the basin include the Cambria Community Services District and overlying users.

Basin Yield**.** The safe yield of the basin was estimated to be 1,040 AFY (Cambria County Water District, 1976).

Water Quality. Groundwater samples from 31 wells collected from 1955 to 1994 show total dissolved solids (TDS) concentration ranging from 46 to 2,210 mg/l (DWR, 2003). Samples from three public supply wells show a TDS concentration range of 400 to 420 mg/l with an average concentration of 413 mg/l. Manganese concentrations in the downstream regions of the basin have exceeded the MCL, with a range of 0.002 to 1.6 mg/l (Yates and Van Konyenburg, 1998). The 2007 Consumer Confidence Report for Cambria CSD reported that measured concentrations of all analyzed contaminants were below their respective Maximum Contaminant Level (MCL) or Regulatory Action Level (AL) values. In particular, the measured total dissolved solids concentration was 440 mg/l.

Water Availability. The primary constraints on water availability in the basin include physical limitations and potential water quality issues. The State Water Resources Control Board (SWRCB) allows a maximum extraction of 1,230 AFY in the San Simeon Valley Groundwater Basin and a maximum dry season extraction of 370 AF (Cambria CSD WMP, 2008). Although the actual dates will vary each year depending on creek flows and rainfall occurrence, the dry season generally spans from May through October. Groundwater levels in the basin are generally highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. During drought periods, flows in San Simeon Creek can be insufficient to adequately recharge the channel alluvium and groundwater levels could subsequently be lowered significantly. Significant lowering of basin groundwater levels at or below sea level near the coast could lead to seawater intrusion and degradation of water quality, however as a practical matter, the operating practices by the Cambria CSD of their water supply wells prevents significant lowering of water levels and maintains groundwater quality. Therefore, as a practical matter, the start of the dry season and the groundwater levels at that time limit the actual amount of groundwater that can be extracted during the dry season.

Currently the water supply of Cambria CSD is at a Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands (Cambria CSD WMP, 2008).

Santa Rosa Valley Basin

The Santa Rosa Valley Groundwater Basin is located in WPA 2 of the North Coast sub-region (Figure 2.2) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-36 (DWR, 2003). The basin underlies the Santa Rosa Valley and is 4,480 acres (7 square miles) in size. It is bounded to the west by the Pacific Ocean and on all other sides by impermeable rocks of the Jurassic to Cretaceous age Franciscan group. The valley is drained by Green Valley, Perry, and Santa Rosa creeks. Average annual precipitation in the basin ranges from 20 inches along the coast to 26 inches along the eastern end of the valley to 40

inches at the creek headwaters (Yates and Van Konyenburg, 1998). Recharge to the basin comes primarily from seepage of surface flows in Santa Rosa Creek and tributaries, deep percolation of precipitation, and residential/agricultural return flows.

Supply Aquifers. According to Bulletin 118, the main water-bearing unit in the basin is unconfined alluvium (DWR, 2003). The alluvium is composed of unconsolidated sand, clay, silt, and gravel of predominantly fluvial origin, and ranges in total thickness from 100 feet near the middle of the valley to 120 feet along the coast. Estimated specific yield of the alluvium is 17 percent. The groundwater storage capacity of the basin has been estimated as 24,700 AF (DWR, 1975). The volume of groundwater in storage likely fluctuates widely in response to seasonal variations in rainfall and pumping extractions. The actual amount of groundwater in storage is unknown. Basin recharge occurs as percolation of stream flow, percolation of precipitation, and irrigation return flows.

Water Users. Water users in the basin include the Cambria Community Services District (CSD) and overlying users.

Basin Yield. The safe yield of the basin has been estimated to be 2,260 AFY (Cambria County Water District, 1976).

Water Quality. Groundwater sampled from one public supply well had a total dissolved solids concentration of 680 mg/l. Increases in measured groundwater chloride concentration suggest the possibility of seawater intrusion into the basin (DWR, 1975). From 1955 to 1975, measured chloride concentration increased from 80 mg/l to 933 mg/l (DWR, 1975), where background chloride concentration typically range from 30 to 270 mg/l (Yates and Van Konyenburg, 1998).

The Cambria CSD Urban Water Management Plan (UWMP) (Cambria CSD, 2005) noted the existence of an MtBE plume moving towards its Santa Rosa well field. The UWMP also noted that although the plume was still present at the time the UWMP was prepared, the district was taking action to remove the MtBE from the groundwater through a remediation program.

Water Availability. The primary constraints on water availability in the basin include physical limitations and potential water quality issues. The State Water Resources Control Board (SWRCB) allows a maximum extraction of 518 AFY in the Santa Rosa Valley Groundwater Basin and a maximum dry season extraction of 260 AF (Cambria CSD WMP, 2008). The California Coastal Commission Coastal Development Permit defines the Santa Rosa Creek dry period as July 1 to November 20, and restricts pumping during this period to 260 AF. In general, groundwater levels in the basin are typically highest during the wet season, steadily decline from these levels during the dry season, and recover again to higher levels during the next wet season. During drought periods, flows in Santa Rosa Creek can be insufficient to adequately recharge the channel alluvium and groundwater levels could subsequently be lowered significantly. Significant lowering of basin groundwater levels at or below sea level near the coast could lead to seawater intrusion and degradation of water quality.

Currently the water supply of Cambria CSD is at a Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands (Cambria CSD WMP, 2008).

Villa Valley Basin

The Villa Valley groundwater basin is part of the WPA 2 in the North Coast sub-region (Figure 2.2) and encompasses approximately 980 acres (1.5 square miles). The basin is bounded by the Pacific Ocean on the west and elsewhere by relatively impermeable rocks of the Jurassic to Cretaceous age Franciscan Formation. Villa Valley has been designated by the DWR as Basin 3-37 and is entirely within unincorporated San Luis Obispo County (DWR, 2003). Recharge to the basin comes primarily from seepage of surface flows in Villa Creek, deep percolation of precipitation, and residential/agricultural return flows.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information for the Villa Valley basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. The aquifer consists of alluvial deposits drained by Villa Creek. These deposits are up to approximately 50 feet thick.

Water Users. There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural and residential purposes by overlying users.

Basin Yield. The projected safe seasonal yield of Villa Valley groundwater basin was historically estimated at 1,000 AFY (DWR, 1958). There has been no subsequent basin study to confirm or update this estimate.

Water Quality. Seawater intrusion has been reported historically in the lower portion of the basin (DWR, 1975). Upstream of sea water influence, the general mineral character of groundwater is calcium-magnesium bicarbonate to calcium-magnesium sulfate-bicarbonate, with an average TDS of 500 mg/l in samples collected from three wells between 1965 and 1970 (STORET Legacy Database).

Water Availability. Constraints on water availability in the Villa Valley basin include both physical limitations and water quality issues. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. For the upper Villa Valley, water level and well capacity declines during drought would limit the availability of the resource, while in the lower valley area sea water intrusion would be the primary constraint.

Cayucos WPA 3

Groundwater basin descriptions in WPA 3 include Cayucos Valley, Old Valley, and Toro Valley.

Cayucos Valley Basin

The Cayucos Valley groundwater basin is part of the WPA 3 in the North Coast sub-region (Figure 2.2) and encompasses approximately 580 acres (0.9 square miles). The basin is

bounded to the west by the Pacific Ocean and elsewhere by the generally non-water bearing Cretaceous-Jurassic rock units of the Franciscan Formation (Cleath, T. S., 1988). Cayucos Valley has been designated by the DWR as Basin 3-38 and is entirely within unincorporated San Luis Obispo County. Annual rainfall averages 16-18 inches (DWR, 2003). Recharge to the basin comes primarily from seepage of surface flows in Cayucos Creek, deep percolation of precipitation, and residential/agricultural return flows.

Some of the published hydrogeologic information for the Cayucos Valley groundwater basin is over 20 years old and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Water Users. Basin groundwater users include a small public water system (mobile home park) and overlying residential and agricultural users. The Morro Rock Mutual Water Company and Paso Robles Beach Water Association service areas overlie a portion of the basin, however, these purveyors do not pump from the Cayucos Valley basin.

Supply Aquifers. The water supply aquifer is within the alluvial deposits of Cayucos Creek, which are comprised of gravel, sand, silt and clay. These alluvial deposits extend up to an estimated 80 feet thick, and are at least 68 feet thick at a distance of one mile inland from the coast (Cleath, T. S., 1988).

Basin Supply. The projected safe seasonal yield of the Cayucos Valley groundwater basin was historically estimated at 600 AFY (DWR, 1958). There has been no subsequent basin-wide study to confirm or update this estimate. Estimated production from the basin was 350 AFY in 1987 (Cleath, T. S., 1988).

Water Quality. There is evidence of sea water intrusion in the basin extending to the mobile home park wells and ranch wells immediately upstream of Highway 1. The general mineral character of groundwater upstream of the sea water influence is magnesium-bicarbonate, with a TDS concentration of close to 500 mg/l (Cleath, T. S., 1988).

Water Availability. Constraints on water availability in the Cayucos Valley basin include both physical limitations and water quality issues. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. For the upper Cayucos Valley, water level and well capacity declines during drought would limit the availability of the resource, while in the lower valley area sea water intrusion would be the primary constraint.

Old Valley Basin

The Old Valley groundwater basin is part of the WPA 3 in the North Coast sub-region (Figure 2.2) and encompasses approximately 750 acres (1.2 square miles). The basin is bounded by the Pacific Ocean on the south and by relatively impermeable rocks of the Jurassic to Cretaceous age Franciscan Formation on all other sides. Old Valley, which includes Whale Rock reservoir, has been designated by the DWR as Basin 3-39 and is entirely within unincorporated San Luis Obispo County. Annual rainfall averages 16-18 inches (DWR, 2003).

Basin recharge upstream of the reservoir comes primarily from deep percolation of precipitation and seepage from surface flows in Cottontail Creek and Old Creek. Below the dam, recharge includes dam underflow and seepage from reservoir releases.

Water Users. Basin groundwater users downstream of Whale Rock reservoir include members of the Cayucos Area Water Organization (CAWO; Morro Rock Mutual Water Company, Paso Robles Beach Water Association, and County Service Area 10A), the Cayucos Cemetery District, and two landowners. The combined groundwater and Whale Rock reservoir surface water allocation for CAWO in Old Valley is 600 AFY, distributed as follows: PRBWA at 222 AFY; MRM at 170 AFY; CSA 10A at 190 AFY (plus 25 AFY of San Luis Obispo's entitlement via exchange for Lake Nacimiento water), and the Cemetery District at 18 AFY (CSA 10A, 2003). For the downstream landowners, it is 64 AFY. Upstream of the reservoir are residential and agricultural overlying users. Whale Rock reservoir water users, including the City of San Luis Obispo, Cal Poly and the California Men's Colony, are discussed in Technical Memorandum 3.

Supply Aquifers. The water supply aquifer is within the alluvial deposits of Old Creek and upstream tributary valleys, which are comprised of sands, gravels and clays. These alluvial deposits extend up to an estimated 72 feet thick (Cleath & Associates, 1993, 1995).

Basin Supply. Production from wells in the lower Old Valley groundwater basin (below the reservoir) ranged from 389 to 603 AFY, with an average of 505 AFY between 1981 and 1992. The lower basin was estimated to have a yield capable of providing the entire 600 AFY CAWO allocation, although releases from the reservoir were necessary to preclude sea water intrusion (Cleath & Associates 1993, 1995). With direct deliveries of CAWO downstream entitlement to a water treatment plant beginning in 1997, re-evaluation of the yield in this part of the Basin has not been a high priority.

Water Quality. The general mineral character of groundwater below the reservoir is calcium-magnesium bicarbonate, with an average TDS of 440 mg/l in 2008 (CSA 10/10A, 2008).

Water Availability. Constraints on water availability in the Old Valley basin include physical limitations, water rights, and environmental considerations. Shallow alluvial deposits upstream of the reservoir are susceptible to drought impacts, having limited groundwater in storage. For the area below the reservoir, dam underflow may provide a source of recharge. Water agreements limit the amount of groundwater available to the members of CAWO and downstream landowners in Old Valley, however, and the riparian habitat supports pond turtles and steelhead trout (on a periodic basis).

Toro Valley Basin

The Toro Valley groundwater basin is part of the WPA 3 in the North Coast sub-region (Figure 2.2) and encompasses approximately 510 acres (0.8 square miles). The basin is bounded to the west by the Pacific Ocean and elsewhere by generally non-water bearing rock units of the Cretaceous-Jurassic age Franciscan Formation, although springs issue from tertiary age formations on the northern rim of the watershed. Toro Valley has been designated by the DWR as Basin 3-40 and is entirely within unincorporated San Luis Obispo County (Cleath, T. S., 1988; DWR, 2003). Recharge to the basin comes primarily from seepage of surface flows in Toro Creek, deep percolation of precipitation, and residential/agricultural return flows.

Some of the published hydrogeologic information for the Cayucos Valley groundwater basin is over 20 years old and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Water Users. Basin water users include Chevron (with agricultural tenants), and overlying residential and agricultural users.

Supply Aquifers. The water supply aquifer is within the alluvial deposits drained by Toro Creek, which are comprised of gravel, sand, silt and clay. These alluvial deposits extend up to an estimated 80 feet thick, and average approximately 50 feet thick in the lower portion of the basin (McClelland Engineers, 1988).

Basin Supply. The projected safe seasonal yield of the Toro Valley groundwater basin was historically estimated at 500 AFY (DWR, 1958). Estimates of hydrologic budget items for 1987 conditions included 591 AFY of percolation of precipitation and 532 AFY of basin groundwater production. Basin studies estimated that up to 1,260 acre-feet of additional water (beyond existing uses) would be available annually, on average, from induced stream flow seepage if new wells were constructed. However, the studies also indicated that during drought this additional supply could be significantly less than the average annual value (McClelland Engineers, 1988). Given the shallow nature of alluvial deposits and limited groundwater in storage, the safe yield estimate for this Master Water Plan Update is limited to the documented historical production that has not resulted in water supply problems, which to date has been up to 532 AFY.

Water Quality. Water quality data for a well approximately 0.7 miles inland of the coast between 1954 and 1987 indicates mild sea water intrusion at this location in the basin, with chloride concentrations up to 129 mg/l. The general mineral character of groundwater is generally magnesium-bicarbonate, with a TDS concentration typically between 400 mg/l and 700 mg/l (STORET Legacy Database and DWR, 2003). In the lower basin area near Highway 1, petroleum hydrocarbon contamination associated with the Chevron marine terminal has been detected in groundwater and remedial activities are ongoing (GeoTracker Database).

Water Availability. Constraints on water availability in the Toro Valley basin include both physical limitations and water quality issues. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. For the upper Toro Valley, water level and well capacity declines during drought would limit the availability of the resource, while in the lower valley area sea water intrusion and petroleum hydrocarbon contamination would be the primary constraint. Toro Valley may be capable of providing significant additional yield through induced stream flow seepage, although drought impacts are not known.

Morro Bay WPA 4

Groundwater basin descriptions in WPA 4 include the Morro Valley and Chorro Valley.

Morro Valley Basin

The Morro Valley groundwater basin is part of the WPA 4 in the North Coast sub-region (Figure 2.2) and encompasses approximately 1,200 acres (1.9 square miles). The basin is bounded to the west by the Pacific Ocean and Morro Bay estuary, and elsewhere by contact with impermeable rock units of the Cretaceous-Jurassic age Franciscan Formation. Morro Valley is designated by the DWR as Basin 3-41. Most of the basin area is within unincorporated San Luis Obispo County, with the City of Morro Bay overlying the basin area southwest of the narrows near Highway 1 (DWR, 2003). Recharge to the basin comes primarily from seepage of surface flows in Morro Creek and Little Morro Creek, deep percolation of precipitation, and residential/agricultural return flows.

Supply Aquifers. The water supply aquifers are predominantly within the Holocene alluvial deposits drained by Morro Creek, which are comprised of gravel, sand, silt and clay. Unconsolidated saturated deposits near the coast include Holocene beach/dune sands and lagoonal fine grained sediments. The alluvial deposits are typically up to 80 feet thick (Cleath & Associates, 2007).

Water Users. Basin groundwater users include the City of Morro Bay, Morro Bay power plant, a cement plant, a small public water system (mobile home park), and residential and agricultural overlying users. The City of Morro Bay pumps sea water and Morro Creek underflow from the basin, the latter with a permitted allocation of 581 AFY from the State Water Resources Control Board.

Basin Yield. The existing perennial yield of the Morro Valley groundwater basin is estimated at 1,500 AFY. Groundwater modeling performed to evaluate the impacts of sea water well operation on the basin indicated that concurrent operation of the City of Morro Bay's sea water and fresh water supply wells could interfere during drought conditions such that the fresh water wells would be subject to sea water intrusion (Cleath & Associates, 1993a; 1993b).

Water Quality. The general mineral character of groundwater is typically magnesium-calcium bicarbonate, except near the coast, where sea water intrusion has occurred. Sea water intrusion and nitrates are the predominant concerns for water quality in the Morro Valley basin. In the mid-1980's TDS concentrations in groundwater downstream of the narrows near Highway 1 began to exceed 1,000 mg/l seasonally due to sea water intrusion. More recently, basin TDS concentrations (measured in 2007) were typically between 400 and 800 mg/l and increasing toward the coast, except for an area beneath agricultural fields in the lower valley where TDS concentrations reached 1000 mg/l, and nitrate concentrations reached 220 mg/l as nitrate (Cleath & Associates 1993a; 2007).

Water Availability. Primary constraints on water availability in the Morro Valley basin include physical limitations, water quality issues, and water rights. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. For the upper Morro Valley, water level and well capacity declines during drought would limit the availability of the resource, while in the lower valley area sea water intrusion would be the

primary constraint. Elevated nitrates are a constraint for drinking water availability at the City of Morro Bay well field, where production is also limited by appropriative water right permits from the State Water Resources Control Board.

Chorro Valley Basin

The Chorro Valley groundwater basin is part of WPA 4 in the North Coast sub-region (Figures 2.2 and 2.4) and encompasses approximately 3,200 acres (5 square miles), although the effective extent of saturated basin deposits covers an estimated 1,900 acres (3 square miles). The basin is bounded to the west by the Morro Bay estuary and elsewhere by contact with impermeable rock units of Tertiary dacite and Cretaceous-Jurassic age Franciscan Formation (Cleath-Harris Geologists, 2009). Chorro Valley is designated by the DWR as Basin 3-42. Most of the basin area is within unincorporated San Luis Obispo County, with the City of Morro Bay overlying the basin area near the Morro Bay estuary. Recharge to the basin comes primarily from seepage of surface flows in Chorro Creek and tributaries (including wastewater treatment plant discharges and releases from Chorro Reservoir), deep percolation of precipitation, and residential/agricultural return flows.

Supply Aquifers. The water supply aquifers are within the Holocene alluvial deposits drained by Chorro Creek, which are comprised of gravel, sand, silt and clay. These alluvial deposits are 50-70 feet thick downstream of Canet Road, and include a permeable basal sand and gravel bed up to 30 feet thick, overlain by finer-grained flood plain deposits of sand, silt, and clay with some shallow gravelly lenses (Cleath-Harris Geologists, 2009).

Water Users. Basin groundwater users include the City of Morro Bay, San Luis Obispo County, California State Parks, California State Polytechnic University, California National Guard, California Men's Colony, and residential and agricultural overlying users. The City of Morro Bay pumps Chorro Creek underflow from the basin and has a permitted allocation of 1,142.5 AFY through the State Water Resources Control Board.

Basin Yield. The safe yield of the Chorro Valley basin was last reviewed by Cleath & Associates in 1993. Although no yield value was listed at that time, a 1992 groundwater production estimate of 2,210 AFY can be obtained from Table 4 of the 1993 report, along with a conclusion (page 16) that the basin was not in overdraft. Therefore, in accordance with methodology used historically by the Department of Water Resources for other coastal basins in San Luis Obispo County, the perennial yield of the Chorro Valley basin is estimated for planning purposes at 2,210 AFY (Cleath & Associates, 1993a; DWR, 1958).

Water Quality. The general mineral character of groundwater is typically magnesium bicarbonate to magnesium-calcium bicarbonate, except near the bay where sea water intrusion can occur seasonally, or in wells influence by wastewater treatment plant discharges into Chorro Creek. Nitrate concentrations are a concern for water quality in the lower portion of Chorro Valley basin. Sea water intrusion has been documented historically and is a potential future concern in the Chorro Flats area, should pumping patterns change significantly. Recent basin TDS concentrations (measured in 2008) were typically between 500 and 700 mg/l (DWR, 1975; Cleath-Harris Geologists, 2009).

Water Availability. Constraints on groundwater availability in the Chorro Valley basin include physical limitations, water quality issues, environmental demand, and water rights. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper

formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. In the Chorro Valley upstream of the Chorro Creek discharge point for the California Men's Colony wastewater treatment plant, water level and well capacity declines during drought would limit the availability of the resource. The wastewater plant discharges enter the basin as imported water sources, and therefore provide additional available water for basin wells and environmental demand below the discharge point. In the lower valley area, sea water intrusion would be a primary constraint during drought. The Elevated nitrates are a constraint for drinking water availability at the City of Morro Bay well field where production is also limited by appropriative water right permits from the State Water Resources Control Board. These permits for underflow production by the City of Morro Bay have also been conditioned to require minimum surface flows in Chorro Creek for Steelhead habitat protection.

Los Osos WPA 5

Los Osos Valley is the only groundwater basin in WPA 5.

Los Osos Valley Basin

The Los Osos Valley groundwater basin is part of WPA 5 in the North Coast sub region (Figure 2.4) and encompasses approximately 10 square miles, of which 3.3 square miles underlie the Morro Bay estuary and sand split, and 6.7 square miles underlie the communities of Los Osos, Baywood Park, and the Los Osos Creek valley. The basin is effectively bounded to the west by the Pacific Ocean, and elsewhere by relatively impermeable rocks of the Tertiary age Pismo Formation, Tertiary dacite and the Cretaceous-Jurassic age Franciscan Formation. The southern basin boundary also parallels the main strand of the Los Osos fault. Los Osos Valley is designated by the DWR as Basin 3-8 (DWR, 2003; Cleath & Associates, 2005). The basin is entirely within unincorporated San Luis Obispo County. Freshwater recharge to the basin comes primarily from seepage of surface flows in Los Osos Creek, deep percolation of precipitation, and residential/agricultural return flows. Sea water intrusion is also a significant component of basin inflow under current conditions.

Supply Aquifers. Unconsolidated sediments forming the basin include Holocene alluvial deposits in the creek valley and dune sands between the creek valley and the coast, the Plio-Pleistocene age Paso Robles Formation, and the Pliocene age Careaga Formation. The basin is generally characterized as having five (5) zones. The upper aquifer (Zone C) reaches 200 feet thick along a synclinal axis which trends northwest to southeast through the middle of the basin, rising to the southeast. The lower aquifer (Zones D and E) is up to several hundred feet thick adjacent to the main strand of the Los Osos fault. There is also a perched aquifer less than 50 feet thick in the dune sands west of the Los Osos Creek valley (Zone B), and a shallow alluvial aquifer typically 70 feet thick in the creek valley (Zone A). The lower aquifer extends beneath the alluvial aquifer in the creek valley (Yates and Wiese, 1988; Cleath & Associates, 2005, ISJ Working Group, 2010).

Water Users. Basin groundwater users in the Los Osos Valley basin include Golden State Water Company, S&T Mutual, the Los Osos Community Services District, and overlying private well users. The three local water purveyors, along with the County of San Luis Obispo, are currently preparing a Basin Management Plan (BMP) under a court-approved Interlocutory Stipulated Judgment (ISJ Working Group).

Basin Yield. Estimates of the safe yield of the groundwater basin have been developed for the current condition, with existing septic systems in place, and assuming no new water development. The safe yield estimate of the basin under current conditions is 3,200 AFY (ISJ Working Group, 2010). Through the development of a BMP, it is the goal, among others, of the ISJ Working Group, to "provide for a continuously updated hydrologic assessment of the Basin, its water resources and safe yield."

Water Quality. Upper aquifer general mineral character is typically sodium-magnesium chloride-bicarbonate. TDS concentrations are generally between 200 mg/l and 400 mg/l. Nitrate is the primary constituent of concern in the upper aquifer, with concentrations in excess of the State drinking water standard of 45 mg/l as nitrate in shallow monitoring wells throughout the urban area (Cleath & Associates, 2005, 2006a, 2006b).

Lower aquifer general mineral character ranges from magnesium-calcium bicarbonate near Los Osos Creek to sodium chloride where impacted by sea water intrusion on the west side of the basin. TDS concentrations also vary significantly by location, and have been reported at up to 950 mg/l in west side supply wells, although average values in the urban area are closer to 500 mg/l. Sea water intrusion is the main concern for lower aquifer water quality (Cleath & Associates, 2005; GSWC, 2009).

Water Availability. The primary constraint on water availability in the Los Osos groundwater basin is deteriorating water quality due to sea water intrusion and nitrate contamination. The County of San Luis Obispo has certified that the basin is currently at a Level III severity rating (resource capacity has been met or exceeded) due to sea water intrusion. Through the development of the BMP, the ISJ Working Group will be evaluating and identifying the management strategies to implement, in coordination with the County's wastewater project, in order to improve conditions in the Basin.

SOUTH COAST SUB-REGION

The South Coast sub-region is comprised of four Water Planning Areas, including San Luis Obispo/Avila (WPA 6), South Coast (WPA 7), Huasna Valley (WPA 8), and Cuyama Valley (WPA 9). A brief description of the basins within each WPA is provided below, with details on groundwater supply aquifers, groundwater users, basin yield, water quality, and water availability.

San Luis Obispo/Avila WPA 6

The San Luis Obispo Valley groundwater basin is the only DWR-designated basin in WPA 6 of the South Coast sub-region (Figure 2.4). A rise in bedrock south of the San Luis Obispo Airport has created two separate subsurface drainage systems, which were designated as the San Luis Valley and Edna Valley subbasins in a draft 1997 DWR study. The extension of the San Luis Obispo Creek alluvial deposits between the Los Osos Valley Fault and the Pacific Ocean has been added herein as the Avila Valley Subbasin. The San Luis Valley and Avila Valley subbasins of the San Luis Obispo Valley groundwater basin are in WPA 6, while the Edna Valley subbasin is in WPA 7.

San Luis Obsipo Valley Basin

The San Luis Obispo Valley groundwater basin is part of WPA 6 and WPA 7 in the South Coast sub-region and encompasses approximately 13,800 acres (21.6 square miles), including the newly defined Avila Valley subbasin (Figure 2.4). The two larger subbasins underlie the San Luis and Edna Valleys and are bounded on the northeast by the Santa Lucia Range and on the southwest by the San Luis Range and the Los Osos and Edna faults. The San Luis Valley (WPA 6) and Edna Valley (WPA 7) subbasins comprise Basin 3-9 as defined by the DWR (DWR, 1997; 2003). Bedrock underlying the two larger subbasins is comprised of non-water bearing Cretaceous-Jurassic age Franciscan Formation. Tertiary age sedimentary and volcanic rocks rim the northeastern watershed and the Coastal Hills and are the source of spring flows into the basin. The Edna subbasin (approximately 4,700 acres) is entirely within unincorporated San Luis Obispo County, while the San Luis Valley subbasin (approximately 8,000 acres) includes both unincorporated County and the City of San Luis Obispo.

The Avila Valley subbasin (WPA 6) encompasses approximately 1,100 acres along the San Luis Obispo Creek floodplain between the Los Osos Valley fault and the Pacific Ocean, a distance of close to 7 miles. The subbasin is bounded and underlain by Mio-Pliocene rocks forming the western end of the Pismo Syncline and is entirely within unincorporated San Luis Obispo County. If the District requires more current or detailed information for this basin, specific studies would be necessary. In preparation for any future studies, the District or other agency could begin collecting available information (such as well logs, pump information, or water quality data) from private and public sources to facilitate future work.

San Luis Valley Subbasin

Supply Aquifer. The San Luis Valley subbasin is generally shallower than the Edna Valley subbasin. Water supply aquifers are mostly within the Holocene alluvial deposits and underlying Plio-Pleistocene Paso Robles Formation, with a few productive wells tapping Tertiary marine sands near Highway 101 and Los Osos Valley Road. The younger alluvial deposits are comprised mostly of clay and clayey/silty sands with permeable sand and gravel strata that are typically a few feet thick. These alluvial deposits are up to 60 feet deep and directly overlie bedrock in the western and northern areas of the basin. The Paso Robles Formation deposits, which are difficult to distinguish locally from the younger alluvium, extend the base of permeable sediments to depths of up to 150-200 feet below ground surface along the basin's southwest boundary. Permeable marine sands with seashells are logged between depths of 155 and 172 feet at a well on Calle Joaquin (Boyle, 1991; DWR 1997). Recharge to the basin comes primarily from seepage of surface flows in San Luis Obispo Creek and tributaries (including

discharges from the City of San Luis Obispo Water Reclamation Facility), deep percolation of precipitation, and residential/agricultural return flows.

Water Users. Subbasin groundwater users include the City of San Luis Obispo, California State Polytechnic University, San Luis Coastal Unified School District, Chevron, close to two dozen small public water systems serving various commercial, industrial, and residential properties, agricultural growers, and private residences.

Subbasin Yield. The safe yield of the entire San Luis Valley groundwater basin was determined in a 1991 study based on elements of recharge and discharge, and in a 1997 study using elements of recharge and discharge, the length of the drought periods and the recovery time following them, and an assessment of the behavior of the basin. The 1991 study reported a value of sustained yield of the entire basin under existing conditions at 5,900 AFY. The 1997 DWR study reported a long-term dependable yield value for the San Luis Valley subbasin at 2,000-2,500 AFY, and a long-term dependable yield value for the Edna Valley subbasin at 4,000-4,500 AFY. DWR's 1997 study remains in draft form, but is the only yield estimate that separates the two main basin areas. Therefore, the lower values from the 1997 study, which total 6,000 AFY and closely match the 1991 study value, are selected for County planning purposes. In summary, the safe yield of the groundwater basin is estimated at 6,000 AFY, of which 2,000 AFY is assigned to the San Luis Valley subbasin, and 4,000 AFY to the Edna Valley portion (Boyle, 1991; DWR 1997).

Water Quality. The general mineral character of groundwater in the San Luis Valley subbasin is typically magnesium bicarbonate, becoming magnesium chloride-bicarbonate near Santa Fe Road and the San Luis Obispo County airport. TDS concentrations ranged from 320-630 mg/l (480 mg/l average) in six basin wells tested in 1988. Water quality problems vary by location within the basin, with nitrates, salinity, hardness, and perchloroethylene (PCE) historically being the constituents of greatest concern. PCE contamination was a major issue for two wells used by the City of San Luis Obispo during the period from 1987-91. Two high-capacity wells were also shut down in the 1990's due to elevated nitrate concentrations. Hardness and TDS/chloride are more of a concern in the airport area (Cleath, T. S., 1987, 1988; Boyle, 1991).

Water Availability. The primary constraints on water availability in the San Luis Valley subbasin include physical limitations, water quality issues, and environmental demand. The shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. Another physical limitation is the potential for subsidence in some areas due to the dewatering and compaction of clays. Elevated nitrates are a constraint for drinking water availability at some of the City of San Luis Obispo wells. Steelhead habitat protection in San Luis Obispo Creek would also be a potential constraint on groundwater availability. Wastewater discharges from the City of San Luis Obispo Water Reclamation Facility enter San Luis Obispo Creek near the Los Osos Valley Road overpass. Most of this water originates as imported water and provides additional recharge to wells downstream and to the riparian habitat.

Avila Valley Subbasin

Supply Aquifer. Downstream of the Los Osos Valley fault, the San Luis Valley groundwater basin follows the alluvial deposits of San Luis Obispo Creek and tributaries to the

ocean at Avila Beach. These alluvial deposits are typically less than 60 feet deep and are comprised of river gravel and sand beds overlain by floodplain silts and sands.

Underlying the alluvial deposits are Franciscan Formation rock and, downstream of the confluence of Davenport Creek, sedimentary and volcanic beds of Tertiary age. Within these older sedimentary and volcanic beds underlying the main groundwater bearing alluvial deposits, groundwater occurs in sandstones, shales and volcanic rocks. Wells in the alluvium produce as much as several hundred gallons per minute. Wells in the underlying older sedimentary and volcanic beds may produce more than 100 gallons per minute. Some of these deep wells produce warm water in the vicinity of Sycamore Mineral Springs and San Luis Bay Estates. Where these bedrock units occur downstream of the weir and along the coast, brackish or sea water may be encountered.

Water Users. Avila Valley MWC and San Miguelito MWC produce water from the Avila Valley Basin as do the agricultural and private water wells of overlying users in the valley.

Basin Yield. No basin yield numbers have been published.

Water Quality. The alluvium extends out to the ocean but the fresh water portion of the alluvium is upstream of the Marre weir at San Luis Bay Estates. Prior to installation of this weir in the early 1970's, seawater intrusion had occurred as far up the valley as the confluence with See Canyon Creek. Since the installation of the weir and with the supplemental flow from the City of San Luis Obispo wastewater treatment plant, there has not been any seawater intrusion documented upstream of the weir. General mineral character in the alluvial groundwater upstream of the Marre weir is sodium-magnesium bicarbonate, with TDS concentrations averaging close to 700 mg/l in the late 1970's (J.M. Montgomery, 1982).

Water Availability. The primary constraints on water availability in the Avila Valley basin are physical limitations and environmental demand. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. Releases from the City of San Luis Obispo Water Reclamation Facility into San Luis Obispo Creek significantly offset storage losses during drought, but are also intended to support steelhead habitat. Below the Marre Weir, sea water intrusion is the primary constraint to water availability.

South Coast WPA 7

Groundwater basin descriptions in WPA 7 include the Edna Valley subbasin of the San Luis Obispo Valley groundwater basin, along with with three subbasins and three management areas of the Santa Maria Valley groundwater basin. Pismo Creek Valley, Arroyo Grande Valley, and Nipomo Valley are DWR-defined subbasins of the Santa Maria Valley groundwater basin (DWR, 2002). The Northern Cities, Nipomo Mesa, and Santa Maria Valley Management Areas are court-defined areas within the adjudicated boundary of the Santa Maria Valley Groundwater Basin (Figure 2.4).

Edna Valley Subbasin

The Edna Valley subbasin is part of WPA 7, rather than WPA 6, because surface and subsurface flow drains into the Santa Maria Valley groundwater basin (Figure 2.4).

Supply Aquifer. Aquifers within the Edna Valley subbasin include Holocene alluvial deposits the Plio-Pleistocene Paso Robles Formation and underlying Tertiary marine sands and shell beds. These basin materials are collectively thicker than basin strata in the San Luis Valley portion, reaching depths of over 300 feet (Boyle, 1991; DWR 1997). Recharge to the basin comes primarily from seepage of surface flows (Davenport Creek, West Corral de Piedra Creek, East Corral de Piedra Creek, and Cañada Verde), deep percolation of precipitation, and residential/agricultural return flows.

Water Users. Subbasin groundwater users include Golden State Water Company, San Luis Country Club (golf course), a few small public water systems, agricultural growers, and private residences.

Subbasin Yield. The estimated safe yield of the subbasin is 4,000 AFY (DWR, 1997; see San Luis Valley subbasin for additional details).

Water Quality. The general mineral character of groundwater in the Edna Valley subbasin is magnesium-calcium bicarbonate with a TDS range of 630-780 mg/l (average 690 mg/l), based on public water company testing during 2008. This is consistent with surface water samples collected in 2007 from tributaries to Pismo Creek in the Edna Valley, where the water was magnesium-calcium bicarbonate with 500-800 mg/ TDS (Balance Hydrologics, 2008; GSWC, 2009).

Water Availability. The primary constraints on water availability in the Edna Valley portion of the basin are physical limitations and environmental demand. Lowering groundwater levels due to production in the basin may impact base flows to Pismo Creek, which support steelhead habitat.

Santa Maria Valley Basin

The Santa Maria Valley groundwater basin is part of WPA 7 in the South Coast sub-region (Figure 2.4). There are two boundaries currently in use for the Santa Maria Valley groundwater basin, one defined by the California DWR, and one defined by the Superior Court of California. The court-defined boundary was developed by a technical committee for use in basin adjudication. This Master Water Plan divides the basin into the court-defined management areas but also includes sections on three alluvial valleys (Pismo Creek Valley, Arroyo Grande Valley, and Nipomo Valley) within the DWR-defined basin that are outside of the adjudicated area. These three alluvial valleys are referred to herein as subbasins as defined by a 2002 DWR study of the area.

The Santa Maria Valley groundwater basin (DWR boundary, including subbasins) encompasses approximately 184,000 acres (288 square miles), of which approximately 61,220 acres (95.7 square miles) are part of the South Coast sub-region within San Luis Obispo County (Figure 2.4). This groundwater basin underlies the Santa Maria Valley in the coastal portion of northern Santa Barbara and southern San Luis Obispo Counties. The basin also underlies Nipomo and Tri-Cities Mesas, Arroyo Grande Plain, with subbasins in the Nipomo, Arroyo Grande and Pismo Creek Valleys. The basin is bounded on the north by the San Luis and Santa Lucia Ranges, on the east by the San Rafael Mountains, on the south by the Solomon Hills and the San Antonio Creek Valley Groundwater Basin, on the southwest by the Casmalia Hills, and on the west by the Pacific Ocean. In addition, three subbasins have been identified in San Luis Obispo County

that are separated from the main basin by the Wilmar Avenue fault. These are the Pismo Creek Valley (1,220 acres), Arroyo Grande Valley (3,860 acres), and Nipomo Valley (6,230 acres) subbasins. The Santa Maria Valley is designated by the DWR as Basin 3-9 (DWR 2002, 2003).

The Santa Maria Valley groundwater basin has been adjudicated. In 2005, the Superior Court of California entered a Stipulated Judgment for a basin-wide groundwater litigation case that defined three basin management areas encompassing approximately 256 square miles. These management areas are the Northern Cities Management Area, the Nipomo Mesa Management Area, and the Santa Maria Management Area, which are used herein for planning by the County of San Luis Obispo. The Stipulated Judgment was adopted, with a declaratory judgment and physical solution adjudged and decreed in the Judgment after Trial, dated January 25, 2008. The three DWR subbasins included herein as separate basin components are outside of the adjudicated area.

The San Luis Obispo County portion of the Santa Maria Valley Management Area and the Nipomo Mesa Management Area are in unincorporated County. The Northern Cities Management Area includes unincorporated County areas and the Cities of Pismo Beach, Arroyo Grande and Grover Beach. The City of Arroyo Grande also overlies a portion of the Arroyo Grande subbasin, and the City of Pismo Beach overlies a portion of the Pismo Creek Valley subbasin. Main basin management areas and subbasins are shown in Figure 2.4.

Pismo Creek Valley Subbasin

The Pismo Creek Valley subbasin is part of the Santa Maria Valley groundwater basin as defined by the DWR, but outside of the adjudicated basin area.

Supply Aquifers. Water supply aquifers are within Holocene alluvial deposits in Price Canyon, which is drained by Pismo Creek and its tributaries. The alluvium varies between 200 and 1,500 feet wide and is up to 60-70 feet thick, composed of basal sand and gravel locally interbedded with clay layers (Cleath, 1986; DWR, 2002; Fugro, 2009). Recharge to the subbasin comes primarily from seepage from Pismo Creek and tributaries, from deep percolation of precipitation, and subsurface inflow from the Edna Valley subbasin.

Water Users. Subbasin groundwater users include residential and agricultural overlying users. Plains Exploration & Production Company (Oil Field) groundwater supply wells are not located in the subbasin.

Subbasin Yield. The yield of the alluvial basin in the Spanish Spring ranch area has been estimated at 200 AFY, although this is before any consideration for environmental habitat demand (Fugro, 2009). Additional yield would be available from wells tapping the alluvium downstream of Spanish Springs Ranch, below the confluence of Las Cuevitas Creek, which drains the Indian Knob area. There is no estimate of the basin-wide yield.

Water Quality. Results of six groundwater samples collected from subbasin wells in 1999 indicate magnesium bicarbonate and magnesium sulfate-bicarbonate are the dominant water types, with a median TDS of 620 mg/l. One well exceeded the State drinking water standards for TDS and sulfate, and most of the wells also had iron and/or manganese concentrations above the drinking water standards (Fugro, 2009).

Water Availability. The primary constraints on water availability in the Pismo Creek Valley subbasin are physical limitations and environmental demand. The shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. Steelhead habitat protection in Pismo Creek and tributaries would also be a potential constraint on groundwater availability.

Arroyo Grande Valley Subbasin

The Arroyo Grande Valley subbasin is part of the Santa Maria Valley groundwater basin as defined by the DWR, but outside of the adjudicated basin area.

Supply Aquifers. Water supply aquifers are within Holocene alluvial deposits in Arroyo Grande Valley, which is drained by Arroyo Grande Creek. The alluvial deposits reach approximately 100 feet thick (DWR, 2002). Recharge to the subbasin comes primarily from seepage from Arroyo Grande Creek (including Lopez Reservoir releases) and tributaries, deep percolation of precipitation, and residential/agricultural return flows.

Water Users. Subbasin groundwater users include small public water systems (residential, commercial, and County park), and agricultural and residential overlying users.

Subbasin Yield. There is no estimated safe yield or existing developed yield value reported for this subbasin. Groundwater levels in the Arroyo Grande Creek alluvium downstream of Lopez Dam are controlled by releases from Lopez reservoir, and have been fairly stable since 1969 (DWR, 2002).

Water Quality. Historical groundwater quality in the Arroyo Grande Valley Subbasin, based on samples collected in the 1980's, shows a progressive deterioration in a downstream direction. The general mineral character of groundwater in the valley was calcium-magnesium bicarbonate upstream of the Tar Springs Creek confluence and calcium-magnesium sulfate downstream of the confluence. The downstream section overlies a zone of multiple faults that may contribute highly mineralized water, along with irrigation water returns. With one exception, TDS, sulfate, and chloride concentrations in groundwater samples from wells in the upstream section met drinking water standards and the water was classified as suitable for agricultural irrigation. In the downstream section, TDS from wells typically exceeded 1,500 mg/l (the short term maximum drinking water standard), with sulfate concentrations exceeding the 500 mg/l upper limit for drinking water. The water was also classified as marginal to unsuitable for agricultural irrigation (DWR, 2002).

Water Availability. The primary constraints on water availability in the Arroyo Grande Valley subbasin are water quality issues, environmental demand, and water rights. Although shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, releases from Lopez Reservoir provide greater dry period recharge than would otherwise exist. Groundwater quality in the lower subbasin is marginal to poor, and steelhead habitat is present in Arroyo Grande Creek. The legal framework for Lopez Reservoir releases, downstream monitoring, and surface water allocations could also limit groundwater availability.

Nipomo Valley Subbasin

The Nipomo Valley subbasin is part of the Santa Maria Valley groundwater basin as defined by the DWR, but outside of the adjudicated basin area.

Supply Aquifers. Subbasin water supply aquifers are limited to the older alluvium, which covers the floor of the valley up to approximately 90 feet thick, thinning to negligible thickness toward the eastern edges of the subbasin. This older alluvium continues to supply some wells, although bedrock formations underlying the alluvium have, over time, become a more important source of groundwater supply (DWR, 2002). Recharge to the subbasin comes primarily from seepage from Nipomo Creek, from deep percolation of precipitation, and residential/agricultural return flows.

The fractured rock reservoirs that lie beneath the alluvial deposits are within the Monterey Formation and the Obispo Formation. These formations cover a much larger area than the subbasin limits, although the aquifer zones, which are defined by fracture permeability, are typically associated with particular strata and may be structurally complex.

Water Users. Subbasin groundwater users include residential and agricultural overlying users. The Nipomo Community Services District operated wells within the boundaries of the subbasin, but these wells tap the deeper fractured rock reservoirs.

Subbasin Yield. There is no existing estimate for the perennial yield of this subbasin.

Water Quality. Water quality is variable across the subbasin, and the available data set does not distinguish between older alluvial wells and fractured rock wells, although most of the water represented is from the fractured rock reservoirs. TDS concentrations in groundwater samples collected from in 22 wells between 1962 and 2000 ranged from 750 mg/l to 1,300 mg/l; sulfate concentrations between 200 and 340 mg/l; chloride concentrations between 64 and 130 mg/l; and nitrate concentrations from non-detected to 3.4 mg/l. Groundwater is classified as suitable to marginal under water quality guideline for irrigated agriculture (DWR, 2002).

Water Availability. The primary constraints on water availability in the Nipomo Valley subbasin are physical limitations and water quality. The shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. In the Nipomo Valley they also overlie and recharge fractured rock aquifers, and would experience declines in water levels and production during dry periods. Water availability in the fractures rock reservoirs can be highly variable, depending on the local structure, available storage capacity, and access to source of recharge. Water quality results indicate that State drinking water standards are exceeded at some wells.

Northern Cities Management Area

The Northern Cities Management Area is part of the Santa Maria Valley groundwater basin adjudicated area.

Supply Aquifers. Water supply aquifers are within alluvial deposits, the Paso Robles Formation, the Careaga Formation and the Pismo Formation. The alluvium is tapped by wells in the Arroyo Grande Plain, where it reaches a maximum thickness of 130 feet. Pleistocene and

older deposits are uplifted to the north across the Oceano and Santa Maria River faults. The Paso Robles Formation ranges from approximately 150-500 feet thick across the management area. The Careaga Formation is up to 300 feet thick south of the Santa Maria River fault, and absent north of the fault, where the Pismo Formation underlies the Paso Formation, reaching thicknesses of close to 600 feet along the coast (DWR 2002; Todd, 2007). Recharge to the management area comes primarily from seepage from Arroyo Grande Creek (including releases from Lopez Reservoir), from deep percolation of precipitation (includes storm water infiltration basins), subsurface inflow from the Nipomo Mesa with underflow from Pismo Creek, Meadow Creek, Arroyo Grande Creek, and Los Berros Creek alluvium, and residential/agricultural return flows.

Water Users. Basin groundwater users in the Northern Cities Management Area include City of Pismo Beach, City of Arroyo Grande, City of Grover Beach, Oceano Community Services District, small public water systems (including Halcyon Water System), Lucia Mar Unified School District, and residential and agricultural overlying users.

Area Yield. The safe yield of the DWR's Tri-Cities Mesa – Arroyo Grande Plain Hydrologic Subarea, reported as dependable yield, and was estimated between 4,000 AFY and 5,600 AFY prior to the formal establishment of the Northern Cities Management Area (DWR, 2002). A 2007 Water Balance Study for the management area estimated total average annual recharge at 8,535 AFY, and an average annual groundwater production of 5,569 AFY between 1986 and 2004 without detectable sea water intrusion, supporting the DWR's 5,600 AFY safe yield value estimate (Todd, 2007). The 2002 Groundwater Management Agreement (the "gentlemen's agreement") between the Northern Cities (with Oceano CSD) allocates an assumed safe yield of 9,500 AFY between basin users in this area, including 5,300 AFY for applied irrigation, 200 AFY for basin outflow, and 4,000 AFY for the urban allotment as follows:

- City of Arroyo Grande: 1,202 AFY
- City of Grover Beach: 1,198 AFY
- City of Pismo Beach: 700 AFY
- Oceano Community Services District: 900 AFY

The 9,500 AFY yield value was reportedly based on the 1979 DWR groundwater study for the Arroyo Grande area, although this value originated as the maximum estimated safe seasonal yield for the Arroyo Grande Subunit in the 1958 DWR report. The 2008 Annual Report for the Northern Cities Management Area acknowledges the historical 9,500 AFY yield value, but indicates that the allocation for basin outflow of 200 AFY is unreasonably low, and that the current subsurface outflow of 2,700-3,000 AFY has helped prevent seawater intrusion (Todd, 2009). Since subsurface basin outflow should not be included in a safe yield estimate, a range of 5,600-6,800 AFY represents the current best estimate for the perennial yield of the Northern Cities Management Area. According to the California Superior Court Judgment after Trial (2008) the Northern Cities have a right to produce 7,300 acre-feet from the basin.

Water Quality. Groundwater in the Tri-Cities Mesa portion of the Northern Cities Management Area (north of the Arroyo Grande Plain) is typically calcium bicarbonate-sulfate in general mineral character, based on data from 1992-2000, with a median TDS value of 650 mg/l. Six of 35 wells tested exceeded the State drinking water standard for nitrate, which has been a concern in the area. In the Arroyo Grande Plain, historical data between 1950 and 1987 indicate that the chemical character was typically either calcium magnesium sulfate or calcium-magnesium sulfate-bicarbonate. Approximately three-quarters of the wells sampled on the

Arroyo Grande Plain had TDS values between 500-1,500 mg/l, with half the wells reporting sulfate concentrations greater than 250 mg/l (DWR, 2002).

Water Availability. Water availability in the Northern Cities Management Area is primarily constrained by water quality issues and water rights. Basin sediments in the management area extend offshore along several miles of coastline, where sea water intrusion is the greatest potential threat to the supply. Low coastal groundwater levels indicated a potential for seawater intrusion that was locally manifested in sentry wells 32S/13E N02 and N03 in 2009 after 3 dry years, with levels and water quality improving after an average rainfall year in 2010. The major purveyors have agreed to share the water resources through a cooperative agreement that also sets aside water for agricultural use and for basin outflow, although the amount allocated for basin outflow has been deemed unreasonably low (Todd, 2007).

Nipomo Mesa Management Area

The Nipomo Mesa Management Area is part of the Santa Maria Valley groundwater basin adjudicated area.

Supply Aquifers. Water supply aquifers are within Holocene and Pleistocene dune sands, the Pliocene-Pleistocene Paso Robles Formation, and the Pliocene Careaga Formation (NMMA, 2008). DWR basin descriptions also include the Pliocene Pismo Formation (DWR, 2002). Dune sands forming the Nipomo Mesa reach a maximum thickness of close to 300 feet, although most of the sand is unsaturated. The Paso Robles Formation in this area is up to 600 feet thick south of the northwest-southeast trending Oceano fault, but has been uplifted and eroded to approximately 200 feet thick north of the fault. Further north beneath the Nipomo Mesa, the Paso Robles Formation is also uplifted across the Santa Maria River fault, becoming 100-150 feet thick north of the fault. Careaga Formation sands, which are approximately 200-300 feet thick beneath the Nipomo Mesa, are also uplifted to the north across the Oceano fault, and are completely missing north of the Santa Maria River fault. Pismo Formation sands are interpreted to underlie the Paso Robles Formation north of the Santa Maria River fault (DWR, 2002).

A third fault that affects geologic structure and the movement of groundwater in the Northern Cities Management Area and may be present in the NMMA area is the Wilmar Avenue fault. This fault may extend south of Arroyo Grande along the front of the San Luis Range and the northeast margin of NMMA to the northern part of Santa Maria Valley, where it may truncate against the Santa Maria River fault. Along this segment, the fault is inferred by the alignment of subtle geomorphic and geologic features, including a straight segment of Nipomo Creek (NMMA Technical Group, 2009 *after* DWR, 2002).

The NMMA has defined a Shallow Aquifer and a Deep Aquifer. The Shallow Aquifer within the NMMA is considered to be an unconfined aquifer. There may also be perched aquifers above local clay beds (perched aquifers are unconfined aquifers where the aquifer material below the clay bed is unsaturated). Unconfined aquifers intercept downward percolating water. Where the Deep Aquifer is present beneath a confining layer, then the Deep Aquifer is considered to be confined (NMMA Technical Group, 2009). Recharge to the management area comes primarily from deep percolation of precipitation, subsurface inflow from the Santa Maria Valley, and residential/agricultural return flows.

Water Users. Basin groundwater users in the Nipomo Mesa Management Area include Golden State Water Company, Rural Water Company, Woodlands, Conoco Phillips, Nipomo Community Services District, Lucia Mar Unified School District, small public water systems (serving residential, industrial and nursery/greenhouse operations), and commercial, agricultural and residential overlying users.

Area Yield. The safe yield of the DWR's Nipomo Mesa Hydrologic Subarea, reported as dependable yield, was estimated between 4,800 AFY and 6,000 AFY prior to the formal establishment of the Nipomo Mesa Management Area (DWR, 2002). The first Annual Report for the Nipomo Mesa Management Area does not list safe yield, but estimates total recharge at 7,300 AFY, being the sum of 5,700 AFY deep percolation of precipitation and 1,600 AFY subsurface inflow (NMMA Technical Group, 2009).

Water Quality. Water quality varies in general mineral character across the Nipomo Mesa. North of Black Lake Canyon, sodium is the dominant cation in many wells, and chloride or bicarbonate the dominant anion. South of the canyon, calcium sulfate and calcium-sodium bicarbonate is more common. The median TDS in 35 wells sampled between 1990 and 2000 was approximately 500 mg/l. Nitrate has been detected in excess of the drinking water standard in relatively few wells (DWR, 2002; NMMA Technical Group, 2009).

According to the database maintained by DPH, production wells used for public drinking and industrial use in the NMMA met drinking water quality standards in 2008. One of the ConocoPhillips production wells had a reported value of 1000 mg/l Total Dissolved Solids (TDS), the highest reported to the Department of Public Health within the NMMA; the well is used for industrial processing (NMMA Technical Group, 2009).

Water Availability. The primary constraints on water availability in the Nipomo Mesa Management Area would be physical limitations to the east, water quality on the west, and water rights. The base of permeable sediments rises toward the eastern boundary of the area, reducing groundwater in storage and increasing the susceptibility of wells to drought impacts and associated water level declines. To the west, where deeper sediments allow for greater storage fluctuations, sea water intrusion would limit the available fresh water.

The Nipomo Mesa area is currently in a certified Level of Severity III for water supply (resource capacity has been met or exceeded), as defined by San Luis Obispo County. The County's Level of Severity III led to the preparation of a water conservation ordinance (SLO County Code, Title 8 Chapter 8.92, effective September 25, 2008).

The NMMA Technical Group has established a groundwater monitoring plan that uses coastal and inland key wells to assess the condition of the basin. The 2008 Annual Report indicates that a potentially severe water shortage condition exists. This condition calls for voluntary actions under a response plan, with recommendations to draft a Well Management Plan and a conceptual plan to identify specific actions to be taken (NMMA Technical Group, 2009).

Santa Maria Valley Management Area

The Santa Maria Valley Management Area is part of the Santa Maria Valley groundwater basin adjudicated area.

Supply Aquifers. Water supply aquifers are within Holocene alluvial deposits, the Plio-Pleistocene Paso Robles Formation, and the Pliocene Careaga Formation. The younger alluvial deposits are comprised of poorly bedded, poorly sorted to sorted sand, gravel, silt, and clay, with cobbles and boulders. These alluvial deposits are up to 230 feet thick beneath the Santa Maria River. The Paso Robles Formation deposits were deposited under a variety of conditions, ranging from fluvial and estuarine-lagoonal in inland areas to nearshore marine at the coast, and consequently exhibit a wide range of lithologic character and texture. The formation typically includes unconsolidated to poorly consolidated mixtures of shale gravel, sand, silt and clay, reaching up to 700 feet thick at the southern County border along the Santa Maria River. The Careaga Formation is a late Pliocene, shallow-water marine deposit comprised mostly of sand that also reaches a thickness of close to 700 feet beneath the Santa Maria Plain (DWR, 2002). Recharge to the management area comes primarily from seepage of surface flows in the Santa Maria River (including releases from Twitchell reservoir), deep percolation of precipitation, and residential/agricultural return flows.

Water Users. Basin groundwater users in the San Luis Obispo County portion of the Santa Maria Valley Management Area consist primarily of agricultural overlying users, with some residential overlying users and a small public water system.

Area Yield. The Santa Maria Valley, most of which is in Santa Barbara County, provided 124,000 AFY of average annual production to wells over a perennial yield study period without sea water intrusion or a decline in groundwater levels and storage (Luhdorff & Scalmanini, 2000). The 2008 Annual Report for the Management Area estimated 125,100 acre-feet of groundwater production in the basin for 2008, with no indications of severe water shortage (Luhdorff & Scalmanini, 2009). Safe Yield in the San Luis Obispo County portion of the Santa Maria Valley, reported as dependable yield, was estimated between 11,100 AFY and 13,000 AFY prior to the formal establishment of the Santa Maria Valley Management Area (DWR, 2002).

Water Quality. Most of the groundwater in the San Luis Obispo County portion of the Santa Maria Valley Management Area may be characterized as a calcium-magnesium sulfate type. Sulfate and TDS are the primary constituents of concern. TDS concentrations collected in four area wells between 1992 and 1998 ranged from approximately 750 mg/l to 1,300 mg/l, with a median of 1,200 mg/l, which exceeds the State drinking water standard upper limit of 1,000 mg/l. All the sulfate concentrations exceeded the recommended drinking water standard of 250 mg/l and some exceeded the upper limit of 500 mg/l. TDS was up to 800 mg/l greater in the Holocene alluvial aquifer, as compared to the underlying Paso Robles Formation aquifers. Nitrates are also a concern in several areas of the valley, although the majority of groundwater sample results in the San Luis Obispo County portion of the valley are below drinking water standards. (DWR, 2002).

Water Availability. The primary constraint on water availability in the San Luis Obispo County portion of the San Maria Valley Management Area would be water quality and water rights. A natural outflow of fresh water must be maintained, both in the deeper aquifer zones where sea water pressures are greatest, and in the shallow alluvial zones where irrigation returns are concentrated. The operation of Twitchell reservoir and the Superior Court Stipulated Judgment and Judgment after Trial affect groundwater availability.

Huasna Valley WPA 8

Huasna Valley is the only groundwater basin in WPA 8.

Huasna Valley Basin

The Huasna Valley groundwater basin is part of the South Coast sub-region (Figure 2.4) and encompasses approximately 4,700 acres (7.3 square miles). The basin is bounded by Miocene age marine rock and underlies valleys drained by two branches of Huasna Creek which flow to Twitchell reservoir. Huasna Valley has been designated as Basin 3-45 and is entirely within unincorporated San Luis Obispo County (DWR, 2003). Recharge to the subbasin comes primarily from seepage from Huasna River and tributaries, deep percolation of precipitation, residential/agricultural return flows, and from Twitchell reservoir seepage when the reservoir fills the lower valley.

There is limited hydrogeologic information published for this basin. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. The basin aquifer consists of Quaternary alluvial deposits drained by Huasna Creek and Huasna River (DWR, 2003). Local groundwater development, however, is primarily within underlying sandstone beds, but also within fractured siliceous or calcareous shales. The sandstone units are located within the Phoenix and Saucelito members of the Santa Margarita Formation (Oasis Associates, 2009).

Water Users. Basin water users are residential and agricultural overlying users.

Basin Yield. There is no existing estimate of basin safe yield or hydrologic budget items.

Water Quality. No historical water quality data for the alluvial basin has been published in public documents or is available through the STORET Legacy Database.

Water Availability. Constraints on water availability in the Huasna Valley basin include both physical limitations and water quality issues. Shallow alluvial deposits are typically more susceptible to drought impacts than deeper formation aquifers, having less groundwater in storage and consequently less capacity for resource utilization and banking. In the Huasna Valley they also overlie and recharge sandstone aquifers, and would experience declines in water levels and production during dry periods, except where recharged from surface waters in Twitchell reservoir. Water availability in the sandstone and fractured reservoirs can be highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

Cuyama Valley WPA 9

Cuyama Valley is the only groundwater basin in WPA 9.

Cuyama Valley Basin

The Cuyama Valley groundwater basin is part of the South Coast sub-region (Figure 2.5) and encompasses approximately 147,200 acres (230 square miles), of which approximately 32,600 acres (51 square miles) are within San Luis Obispo County. The basin underlies the valley drained by the Cuyama River and is bounded on the north by the Caliente range and on the Southwest by the Sierra Madre Mountains. Cuyama Valley has been designated as Basin 3-13 and includes portions within unincorporated San Luis Obispo County, Santa Barbara County, Kern County, and Ventura County (DWR, 2003). Recharge to the basin comes primarily from seepage from Cuyama River, deep percolation of precipitation, and residential/agricultural return flows.

Supply Aquifers. The aquifer consists of Holocene alluvial deposits and older terrestrial deposits. In the western part of the basin, the alluvium consists of thick beds of sand and gravel alternating with beds of clay. In the south central part of the basin, alluvium is predominantly comprised of sand and silt with some beds of gravel and clay. In the eastern part of the basin, alluvium consists of coarse gravel and sand. Except in the western part of the basin, the alluvium is not the principal water-bearing formation. The thickness of the alluvium is inferred to be from 150 to 250 feet (DWR 2003 after Upson and Worts 1951). Pleistocene age terrace deposits found in the valley are relatively thin and mainly above the zone of saturation. Underlying older terrestrial deposits, which include the Pliocene age Cuyama or Morales formation and a fanglomerate, are the main water-bearing units in the basin. These deposits consist of large and extensive bodies of poorly consolidated clay, silt, and gravel (DWR 2003 *after* Upson and Worts 1951).

Water Users. Basin groundwater users in the San Luis Obispo portion of the basin include oil field operators and residential/agricultural overlying users.

Basin Yield. Perennial yield for the entire basin has been estimated between 9,000 and 13,000 AFY (Upson and Worts, 1951). The long-term potential recharge of the basin was estimated between 12,000-16,000 AFY, with an average of 13,000 AFY year (Singer and Swarzenski, 1970). A safe yield of 10,667 AFY gross (8,000 AFY net consumptive use) was estimated in 1992 (Baca et al., 1992). The most recent compilation of hydrologic budget information presents a groundwater budget in which total groundwater pumpage is 40,592 AFY, resulting in a deficit of 30,532 AFY (Anderson et al, 2009). This hydrologic budget compilation indicates a perennial yield on the order of 10,000 AFY, which is within the range of prior work. There is no separate yield estimate for the San Luis Obispo County portion of the basin.

Water Quality. The general mineral character of groundwater in the Cuyama Basin is predominantly calcium-sulfate and magnesium-sulfate. Water quality generally deteriorates towards the west end of the basin, where the sediments thin. There is also poor quality water towards the northeast end of the basin at extreme depth, which may be connate from rocks of marine origin. Although groundwater in the Cuyama Valley is only of fair chemical quality, it has been used successfully to irrigate most crops. Presumably this has been possible because the sodium content of most of the water is relatively low and the soils are quite permeable (County of Santa Barbara 2005 Groundwater Report; Upson and Worts, 1951; Singer and Swarzenski, 1970).

Analyses of water from three public supply wells show an average TDS content of 858 mg/L and a range from 755 to 1,000 mg/L. USGS analyses show TDS content as high as 1,750 mg/L. Because of constant cycling and evaporation of irrigation water in the basin, water quality has been deteriorating (DWR 2003; SBCWA 1996; SBCWA 2001). Groundwater near the Caliente Range has high salinity, which has been attributed to seepage out of the basement marine

rocks. Nitrate content reached 400 mg/L in some shallow wells (DWR 2003; County of Santa Barbara Planning and Development Department, 1994).

Water Availability. Constraints on water availability in the Cuyama Valley basin are primarily physical limitations. The maximum potential yield that can be achieved through lowering water levels to increase natural stream flow seepage and reduce subsurface outflow have been reached (production has exceeded this value). The County of San Luis Obispo Planning Department has determined that the basin is currently at a Level III severity rating (resource capacity has been met or exceeded) due to historical groundwater level declines and resulting groundwater storage losses.

In 1980, the Cuyama groundwater basin was identified by the California Department of Water Resources as one of the eleven basins in "critical condition of overdraft. Although the groundwater basin is experiencing serious hydrologic impacts due to unsustainable groundwater pumping practices, a groundwater management plan for the basin does not exist. Since the Cuyama groundwater basin lies within four counties future efforts for a county groundwater management plan will likely be difficult (Andersen et al., 2009).

INLAND SUB-REGION

The Inland sub-region is comprised of seven Water Planning Areas (WPA's), including Carrizo Plain (WPA 10), Rafael/Big Spring (WPA 11), Santa Margarita (WPA 12), Atascadero/Templeton (WPA 13), Salinas/Estrella (WPA 14), Cholame (WPA 15) and Nacimiento (WPA 16). A brief description of the basins within each WPA is provided below, with details on groundwater supply aquifers, groundwater users, basin yield, water quality, and water availability.

Carrizo Plain WPA 10

Carrizo Plain is the only groundwater basin in WPA 10.

Carrizo Plain

The Carrizo Plain Groundwater Basin is located in the Inland sub-region (Figures 2.3 and 2.5) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-19 (DWR, 2003). The basin is 173,000 acres (270 square miles) in size and is situated between the Temblor Range to the east and the Caliente Range and San Juan Hills to the west. The basin has internal drainage to Soda Lake. The basin is also transected by the San Andreas fault. Annual precipitation in the basin ranges from 7 to 9 inches.

Published hydrogeologic information for this basin is compiled from older reports old and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. Groundwater in the basin is found in alluvium, the Paso Robles Formation, and the Morales Formation (DWR, 2003). The upper alluvium is of Pleistocene to Holocene age and consists of unconsolidated to loosely consolidated sands, gravels, and silts with a few beds of compacted clays. The Paso Robles Formation is of Pleistocene age and consists of poorly-sorted, mostly loosely consolidated gravels, sands, and silts. These deposits are more than 3,000 feet thick in the eastern portion of the basin along the San Andreas Fault Zone and decrease in thickness to the west. The Upper Pliocene Morales Formation consists of sands, gravels, and silts, which are generally more stratified and compacted than in the overlying Paso Robles Formation. Recharge to the basin is predominantly from percolation of stream flow and infiltration of precipitation. The groundwater storage capacity is estimated to be 400,000 AF, however the actual amount in groundwater storage is unknown.

Water Users. There is one small public water system serving the local school (part of the Atascadero Unified School District). All other pumping in the basin is for agricultural and residential purposes by overlying users. There are two proposed solar farms, as discussed in TM3 of this Master Water Plan (Topaz Solar Farm 550-MW; Sun Power-California Valley Solar Ranch 250-MW).

Basin Yield.

DWR Safe Yield: 600 AFY (based on demand in 1954)
Kemnitzer Safe Yield: 59,000 AFY (based on 1967 inflow/outflow analysis)

Taking into consideration the methodologies used in previous studies, historical groundwater levels, and water quality, the EIR estimates that a more reasonable safe yield to base planning decisions on is 8,000 – 11,000 AFY (SunPower - California Valley Solar Ranch Environmental Impact Report (EIR), Topaz Solar Farm (First Solar/Optisolar) Draft Environmental Impact Report, 2010).

Water Quality. Groundwater samples from 79 wells collected from 1957 to 1985 show total dissolved solids concentration ranging from 161 to 94,750 mg/l (DWR, 2003). Groundwater in the lower alluvium and upper Paso Robles Formation that both underlie Soda Lake are highly mineralized. Groundwater deeper in the confined Paso Robles Formation is of higher quality. Groundwater in the Morales Formation is likely to be brackish.

Water Availability. Constraints on water availability in the basin include physical limitations and water quality issues. The small basin yield of the Carrizo Plain Groundwater Basin relative to its large size and the naturally high levels of total dissolved solids in areas (e.g., Soda Lake) suggest that water availability in the region is limited. Other than water quality issues associated with the internal drainage structure of the basin, other constraints are not well defined.

Rafael Valley/Big Spring WPA 11

WPA 11 includes the Rafael Valley groundwater basin and the Big Spring Area groundwater basin.

Rafael Valley Basin

The Rafael Valley Groundwater Basin is located in the Inland sub-region of San Luis Obispo County (Figure 2.5) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-46 (DWR, 2003). The basin underlies the Rafael Valley and is 2,990 acres (4.7 square miles) in size. It is bounded by Cretaceous and Miocene age marine rocks and transected by the Chimeneas fault. The Rafael Valley is drained by the Rafael and San Juan creeks. Annual precipitation in the basin ranges from 8 to 10 inches per year.

Published hydrogeologic information for this basin is very limited. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. According to Bulletin 118, the main water-bearing unit in the basin is Quaternary age alluvium (DWR, 2003). Although the Chimeneas fault is noted to transect the basin, it is unknown whether it restricts or otherwise influences groundwater flow there.

Water Users. There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users.

Basin Yield. No information is available describing basin yield.

Water Quality. No information is available describing water quality in the basin.

Water Availability. Constraints on water availability in the Rafael Valley basin are primarily based on physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Rafael Valley, the alluvial aquifer also overlies and recharges the underlying consolidated rock formations. Water availability in the consolidated rock reservoirs is highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

Big Spring Area Basin

The Big Spring Area Groundwater Basin is located in the Inland sub-region of San Luis Obispo County (Figure 2.5) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-47 (DWR, 2003). The basin is 7,320 acres (11.4 square miles) in size and is bounded by Miocene age marine rocks. The basin underlies a valley that is drained by a tributary to San Juan Creek. Annual precipitation in the basin ranges from 8 to 10 inches.

Published hydrogeologic information for this basin is very limited. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. According to Bulletin 118, the main water-bearing unit in the basin is Quaternary age alluvium (DWR, 2003). No additional information is available describing the basin hydrogeology.

Water Users. There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users.

Basin Yield. No information is available describing basin yield.

Water Quality. No information is available describing water quality in the basin.

Water Availability. Constraints on water availability in the Big Spring basin are primarily based on physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Big Spring area, the alluvial aquifer also overlies and recharges the underlying consolidated rock formations. Water availability in the consolidated rock reservoirs is highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

Santa Margarita WPA 12

WPA 12 includes the Santa Margarita Valley, Rinconada Valley, and Pozo Valley groundwater basins.

Santa Margarita Valley Basin

The Santa Margarita Valley Groundwater Basin is located in the Inland sub-region (Figure 2.2). The basin area includes the unincorporated town of Santa Margarita and surrounding rural residences and agricultural fields. The total drainage area associated with the basin consists of four watersheds that collectively drain in the northerly direction into the Salinas River. The major creeks associated with the four watersheds are the Santa Margarita Creek, the Yerba Buena Creek, Trout Creek, and Rinconada Creek.

The boundaries of the Santa Margarita Valley Groundwater Basin have never been fully investigated in a hydrogeologic study. However, based on studies by Hart (1976), Todd (2004), and Hopkins (2006), the basin is generally bounded to the north by the southern boundary of the Atascadero Groundwater Subbasin, to the west by the northwest trending Nacimiento Fault Zone, to the east by the northwest trending Rinconada Fault Zone, and to the south by the distal region of the Rinconada Creek Watershed.

The basin primarily contains four geologic units which, from youngest to oldest, are: 1) the Younger Alluvium, 2) Older Alluvium, 3) Paso Robles Formation, and 4) Santa Margarita Formation. Average annual rainfall in the area is between 25 to 30 inches (Todd, 2004).

Supply Aquifers. The basin is primarily defined by the shallow Younger Alluvium and Older Alluvium and the deeper Paso Robles and Santa Margarita formations. The Younger Alluvium and Older Alluvium deposits occur along the active stream channels and along the eastern basin boundary adjacent the Rinconada Fault Zone. In particular, alluvial deposits associated with the Santa Margarita Creek extend from the ground surface to a depth of about 50 feet. Relative to the deeper Paso Robles and Santa Margarita Formations, the younger and older alluvium have high hydraulic conductivities.

The Paso Robles Formation consists of unconsolidated to moderately well consolidated sand and gravel deposits that range in thickness up to 300 to 400 feet. The Paso Robles

Formation is found at depths in the range of 400 to 500 feet below ground surface and may consist of non-marine conglomerate. The Santa Margarita Formation is typically a poorly stratified sandy, marine sequence that conformably overlies the Monterey Formation which likely defines the effective base of fresh water in the basin area. The Santa Margarita Formation contains thick beds of fine- to coarse-grained arkosic sandstone that is locally calcareous. The thickness of the Santa Margarita Formation likely ranges up to 1,000 feet. In general, the Santa Margarita sandstone forms a poor to moderate aquifer for groundwater production. The Paso Robles and Santa Margarita formations tapped by wells for water supply purposes in the basin are typically located in the Yerba Buena Creek area.

Water Users. Water users in the Santa Margarita area include the unincorporated town of Santa Margarita and overlying users. Water service for the town of Santa Margarita is provided by County Service Area 23 (CSA 23). CSA 23 is governed by the County of San Luis Obispo and is operated/managed by the Department of Public Works. Overlying users include rural residences and agricultural users.

Basin Yield. Based on an evaluation of available data used for the Santa Margarita Ranch Environmental Impact Analysis study, Hopkins (2006) indicated that the average annual yield of the basin in the vicinity of the proposed Ranch development may be in the range of 400 to 600 AFY. Todd (2004) reported that earlier evaluations estimated groundwater storage for the Santa Margarita Creek alluvial aquifer between the Salinas River and the headwaters of the Santa Margarita and Yerba Buena creeks to be about 410 AF.

Water Quality. The total dissolved solids (TDS) concentration in wells constructed in the alluvial deposits and in the Santa Margarita Formation were reported to be 400 mg/l and 490 mg/l, respectively (Todd, 2004).

Based on a review of available water quality data by Todd (2004), all shallow and deep wells sampled for nitrate have measured concentrations below the maximum contaminant level (MCL) of 45 mg/l.

Total coliform, fecal coliform, and Escherichia coli data were reviewed by Todd (2004) and found to be suggestive, although not conclusive, of small impacts on both shallow and deep aquifer wells from local wastewater disposal systems.

Water Availability. The primary constraint on water availability in the basin concerns physical limitations. Although the alluvial aquifer is considered to be highly productive, it is shallow in vertical extent (i.e., 50 feet thick) and therefore highly susceptible to seasonal fluctuations in groundwater levels of about 15 to 20 feet. During dry water years or extended droughts, well yields may be significantly reduced due to low groundwater levels (Todd, 2004). Recharge in the shallow alluvial deposits for a particular year is dependent on the annual climate conditions and the associated creek streamflows and precipitation runoff generated in the four watersheds.

Wells developed in the Santa Margarita Formation generally do not have sufficient yields to reliably replace the wells in the alluvial aquifer which serve as the primary source of water for the town of Santa Margarita. Hydrographs of deep wells indicate that groundwater levels have been trending downward there at least over the last decade (Hopkins, 2006).

Rinconada Valley Basin

The Rinconada Valley Groundwater Basin is located in the Inland sub-region (Figure 2.4) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-43 (DWR, 2003). The basin underlies the Rinconada Valley and is 2,580 acres (4 square miles) in size. It is bounded by Miocene age marine rocks and Mesozoic Franciscan Group rocks, and lies along the Nacimiento and Rinconada fault zones. The valley is drained by Rinconada Creek, which is tributary to the Salinas River. Annual precipitation in the basin ranges from 20 to 24 inches.

There is very limited information available for this basin. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. According to Bulletin 118, the main water-bearing unit in the basin is Quaternary age alluvium (DWR, 2003). Although the Nacimiento and Rinconada faults are noted to transect the basin, it is unknown whether they restrict or otherwise influence groundwater flow there.

Water Users. There are no municipal or public water purveyors in the basin. All pumping in the basin is for agricultural purposes and by overlying users.

Basin Yield. No information is available describing basin yield.

Water Quality. No information is available describing water quality in the basin.

Water Availability. Constraints on water availability in the Rinconada Valley basin are primarily based on physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Rinconada Valley, the alluvial aquifer also overlies and recharges the underlying marine consolidated rock formations and older Franciscan and granitic units. Water availability in the consolidated rock reservoirs is generally limited and highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

Pozo Valley Basin

The Pozo Valley Groundwater Basin is located in the Inland sub-region (Figure 2.4) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-44 (DWR, 2003). The basin is 6,840 acres (10.7 square miles) in size and is bounded on all sides by low permeability rocks of Cretaceous and Miocene age. The basin is drained by Pozo Creek and the Salinas River, both of which flow into Santa Margarita Lake. Annual precipitation in the basin ranges from 19 to 23 inches.

Published hydrogeologic information for this basin is compiled from older reports and may not be representative of current conditions. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. According to Bulletin 118, the main water-bearing unit in the basin is Holocene age alluvium (DWR, 2003). The alluvium is composed of sand, gravel, and clay and is up to 30 feet thick. The estimated specific yield of the alluvium is 15 percent. The groundwater storage capacity of the basin is estimated to be 2,000 AF, although the actual amount of groundwater in storage is unknown. Basin recharge occurs as percolation of stream flow, percolation of precipitation, and irrigation return flows.

Water Users. There are some small public water systems in the basin. All other pumping is for residential and agricultural purposes by overlying users.

Basin Yield. The safe available storage in the basin has been reported to be 1,000 AFY (DWR, 1958).

Water Quality. According to Bulletin 118, groundwater samples from 5 wells in the basin taken from 1951 to 1988 indicate TDS concentrations ranging from 287 to 676 mg/l (DWR, 2003).

Water Availability. Constraints on water availability in the Pozo Valley basin are primarily based on physical limitations. Shallow alluvial deposits are typically limited by available storage capacity and are therefore susceptible to drought impacts. In the Pozo Valley, the alluvial aquifer also overlies and recharges the underlying consolidated marine rock formations and granitic rock units. Water availability in the consolidated rock reservoirs is generally limited and highly variable, depending on the local structure, available storage capacity, and access to source of recharge.

Atascadero/Templeton WPA 13

WPA 13 includes the Atascadero subbasin of the Paso Robles groundwater basin (see WPA 14 for Paso Robles groundwater basin description). WPA 13 also includes consolidated rock aquifers that are not a part of, or described by, the Paso Robles groundwater basin. No information on the yield and water quality of these formations is available.

Atascadero Groundwater Subbasin

The Atascadero Groundwater Subbasin is located in the Inland sub-region (Figure 2.2) and is a subbasin within the Paso Robles Groundwater Basin. The northern boundary of the subbasin is approximately the southern end of the City of Paso Robles and the southern subbasin boundary is located just south of the community of Garden Farms. The western boundary of the subbasin is the western boundary of the Paso Robles Groundwater Basin and the eastern boundary of the subbasin is the Rinconada fault. Because the fault displaces the Paso Robles Formation, the hydraulic connection between the aquifer across the Rinconada fault is sufficiently restricted to warrant the classification of this area as a distinct subbasin (i.e., the Atascadero Groundwater Subbasin). Therefore, the Atascadero subbasin of the Paso Robles Groundwater Basin is defined as that portion of the basin west of the Rinconada fault.

The Atascadero subbasin includes the City of Atascadero and the communities of Templeton and Garden Farms. The Salinas River is the major hydrologic feature in the subbasin. Outflow (primarily surface flow and Salinas River underflow) occurs in the northern direction from the subbasin into the Estrella subarea of the Paso Robles Groundwater Basin.

Supply Aquifers. Pumping test data from wells in the subbasin suggest the presence of three aquifer groups with distinctly different hydraulic characteristics: 1) Holocene age alluvium along the floodplain of the Salinas River, 2) Paso Robles Formation deposits directly underlying the Salinas River alluvium, and 3) Paso Robles Formation deposits along the east side of the subbasin that are not directly connected to the younger alluvium.

The Salinas River alluvium is an unconfined aquifer that consists almost entirely of sand and gravel, with a high hydraulic conductivity. The thickness of the alluvium ranges widely, with an estimated maximum thickness of 100 feet. Shallow wells up to 100 feet deep are located in the immediate vicinity of the Salinas River along its entire reach, typically tapping the younger alluvium and/or shallow Paso Robles Formation aquifer zones.

In the City of Atascadero area, the Paso Robles Formation underlies the younger alluvium along the Salinas River floodplain. Wells in the Paso Robles Formation in hydraulic communication with the overlying younger alluvium tend to have higher hydraulic conductivity values than wells that penetrate the portions of the Paso Robles Formation not in contact with the alluvium.

Paso Robles Formation deposits east of the Salinas River comprise the largest portion of the subbasin. Lithology descriptions from driller's logs include sand and gravel with interbedded clays. The upper 300 feet of sediments in this area is characterized by thin (5 feet to 15 feet thick) interbedded brown or yellow clays with sand and "shale gravel." The beds tend to be thicker below 300 feet, with an increasing proportion of sand and gravel. The deepest part of the formation is the area between Templeton and the Rinconada fault. In general, deep wells reach several hundred feet deep and tap the Paso Robles Formation, although a few of the deeper wells also tap the upper portion of the upper Miocene-age Santa Margarita Formation.

The main source of recharge in the alluvium is the Salinas River. Recharge to the Paso Robles Formation occurs from the overlying Salinas River alluvium as well as from overlying channel deposits of the Santa Margarita, Atascadero, Graves, and Paso Robles creeks.

Water Users. Water users in the basin include municipalities, communities, rural domestic residences, and agricultural users. The major water purveyors are the Atascadero Mutual Water Company (Atascadero MWC), Templeton Community Services District (Templeton CSD), and Garden Farms Mutual Water Company (Garden Farms MWC).

Basin Yield. The perennial yield of the subbasin was estimated to be 16,400 AFY (Fugro, 2002).

Water Quality. Evaluation of water quality in the subbasin is based on historical data from 1970 to 1997 collected and reviewed by Fugro (2002). The general mineral character of recharge from Salinas River water is typically calcium and magnesium bicarbonate. Santa Margarita Creek water is magnesium-calcium-bicarbonate and Atascadero and Paso Robles creek water is calcium-bicarbonate. Total dissolved solids concentrations measured in wells along the Salinas River alluvium range from 317 to 857 mg/l. Total dissolved solids concentrations measured in wells in the Paso Robles Formation range from 389 to 975 mg/l (Fugro, 2002). Water quality data from 11 wells and one spring in the subbasin showed that no concentrations of contaminants exceed their respective MCL values (Fugro, 2002). The 2008 Water Quality Report for both Templeton CSD and Atascadero MWC found that none of the

regulated and secondary substances that were tested for in water samples exceeded their MCL values.

Water Availability. Primary constraints on water availability in the subbasin include water rights and physical limitations. The rights to surface water flows in the Salinas River and associated pumping from the alluvium have been fully appropriated by the State Water Resources Control Board (State Board) and no future plans exist to increase these demands beyond the current allocations. Full appropriation implies that no additional rights to the Salinas River flows are being issued by the State Board at this time nor is any additional pumping for existing rights being granted. Therefore, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation.

In terms of physical limitations, Todd (2009) estimated the gross groundwater pumping in the subbasin during 2006 to be 15,545 AF which is 95 percent of the subbasin perennial yield of 16,400 AFY. Ongoing studies that are expected to be completed in early 2010 may revise the estimated outflow from the subbasin, based on a recalculation of the subbasin water balance including return flows as well as new assumptions related to rural domestic water demands.

Salinas/Estrella WPA 14

WPA 14 includes the Paso Robles groundwater basin (except for the Atascadero subbasin portion, which is in WPA 13).

Paso Robles Basin

The Paso Robles Groundwater Basin is part of the Inland sub-region (Figures 2.2 and 2.3). According to California's Groundwater Bulletin 118, the entire Paso Robles Groundwater Basin is located within the greater Salinas Valley Groundwater Basin and is identified as Groundwater Basin Number 3-4.06. The entire Paso Robles Groundwater Basin is located in both Monterey and San Luis Obispo counties and is 505,000 acres (790 square miles) in size. The basin ranges from the Garden Farms area south of Atascadero to San Ardo in Monterey County, and from the Highway 101 corridor east to Shandon. In Monterey County, the basin is bounded to the north by the Upper Valley Aquifer Subbasin. In San Luis Obispo County, the basin is bordered on the east by the Temblor Range, on the south by the La Panza Range, and on the west by the Santa Lucia Range.

In general, the basin is drained by the Salinas River, Estrella Creek, San Juan Creek, Huer Huero Creek, and numerous other smaller channels that are tributary to these major rivers and creeks.

Supply aquifers. Groundwater in the basin is found in Holocene age alluvium and in the Pleistocene age Paso Robles Formation. Holocene age alluvium is formed by alluvial deposition. These alluvial deposits consist of unconsolidated, fine- to coarse-grained sand with pebbles and boulders. In general, these deposits are mostly unconfined, range in depth from 30 to 130 feet below ground surface, and are characterized by relatively high permeability. Most of the alluvium associated with the various rivers and creeks in the basin provide limited supplies of extractable groundwater. The Salinas River, however, is a significant source of groundwater to several municipalities located adjacent to and along its reach as well as a number of

overlying users with appropriative or riparian rights. Groundwater in the alluvium is a principal source of recharge to the underlying Paso Robles Formation.

The Paso Robles Formation is the most significant source of groundwater in the basin. It consists of unconsolidated, poorly-sorted sand, silt, gravel, and clay. Recharge to the basin derives from stream percolation of the alluvium underflow, infiltration of precipitation, and deep percolation of applied irrigation and wastewater discharge. Groundwater in the basin generally flows in the northwest direction. The groundwater storage capacity of the basin was estimated at 30,400,000 AF (Fugro West, 2002), although a portion of the storage capacity of the basin is not available to San Luis Obispo County users. Roughly one-third of the areal extent of the Paso Robles groundwater basin extend into Monterey County.

Water Users. Water users in the basin include municipalities, communities, rural domestic residences, and agricultural users. The major municipal water purveyors include the Atascadero Mutual Water Company, City of Paso Robles, Templeton Community Services District, CSA 16-1 (Shandon), and San Miguel Community Services District.

The San Luis Obispo County Environmental Health Department also identified 36 small commercial and community water systems that extract groundwater from the basin, including Garden Farms Mutual Water Company and Green River Mutual Water Company. Overlying users include rural domestic residences and agricultural farms.

Basin Yield. The perennial yield of the Paso Robles Groundwater Basin (including the Atascadero Groundwater Subbasin) is estimated to be 97,700 AFY (Fugro, 2002).

Water Quality. Overall, a review of available data by Fugro (2002) found that the quality of groundwater in the basin is generally good. Five potential water quality issues, however, were identified in the basin (excluding the Atascadero Groundwater Subbasin):

1. Increasing chlorides in the deep, historically artesian aquifer northeast of Creston;
2. Increasing total dissolved solids (TDS) and chlorides near San Miguel;
3. Increasing nitrates in the Paso Robles Formation in the area north of Highway 46, between the Salinas River and the Huer Huero Creek;
4. Increasing nitrates in the Paso Robles Formation in the area south of San Miguel; and
5. Increasing TDS and chlorides in deeper aquifers near the confluence of the Salinas and Nacimiento rivers

The 2009 Consumer Confidence Report for the City of Paso Robles reported no violations of MCL values for regulated substances and secondary substances in groundwater pumped by its distribution system. The 2007 Consumer Confidence Report for the San Miguel CSD reported a measured arsenic concentration of 11 ug/l (MCL for arsenic is 10 ug/l) and a measured barium concentration of 71.5 ug/l (MCL for barium is 2 ug/l). The 2008 Water Quality Report for CSA 16-1 found that none of the regulated and secondary substances that were tested for in water samples exceeded their MCL values.

Water Availability. Primary constraints on water availability in the basin include water rights, water quality, and physical limitations. The rights to surface water flows in the Salinas

River and associated pumping from the alluvium have been fully appropriated by the State Water Resources Control Board (State Board) and no future plans exist to increase these demands beyond the current allocations. Full appropriation implies that no additional rights to the Salinas River flows are being issued by the State Board at this time nor is any additional pumping for existing rights being granted. Therefore, the Salinas River does not represent a future source of water supply that can be developed beyond its present appropriation. In terms of physical limitations, Todd (2009) estimated the total groundwater pumping in the basin during 2006 to be 88,154 AF which is 90 percent of the basin perennial yield of 97,700 AFY.

Portions of the Paso Robles Groundwater Basin have experienced significant water level declines over the past 15 to 20 years (Fugro 2002, Fugro 2005, Todd 2007, Todd 2009). The causes of the water level declines include a range of groundwater uses in close proximity, including agricultural irrigation, municipal supply wells, golf course irrigation, and a relatively dense aggregation of rural ("ranchette") users. The County Board of Supervisors has certified a Level of Severity III for the main Basin and a Level of Severity I for the Atascadero Subbasin based on findings in the Resource Capacity Study and an updated pumping analysis for the basin. As a result of the certification, certain land use and monitoring actions will be implemented by the County.

Cholame Valley WPA 15

Cholame Valley is the only groundwater basin in WPA 15.

Cholame Valley Basin

The Cholame Valley Groundwater Basin is located in the Inland sub-region (Figure 2.3) and is identified in California's Groundwater Bulletin 118 as Groundwater Basin Number 3-5 (DWR, 2003). The basin is located in both Monterey and San Luis Obispo counties and is 39,800 acres (62 square miles) in size. The basin is comprised of Quaternary alluvium and is bounded to the southwest by the Plio-Pleistocene nonmarine Paso Robles formation and by Quaternary nonmarine terrace deposits to the northeast. The valley is drained by Cholame Creek and its tributary southeastward and westward into the Salinas River. Annual precipitation in the basin ranges from 11 to 17 inches.

Published hydrogeologic information for this basin is limited. If the District requires more current or detailed information for this basin, new studies would be necessary. Information currently compiled by County departments (such as well logs for private wells or water quality for shared well systems) would be useful to these studies. Additional information may be available from the DWR and private sources.

Supply Aquifers. According to Bulletin 118, available well completion reports indicate that the basin consists of both alluvial deposits and consolidated rock (DWR, 2003). Depths of the wells ranged from 100 to 665 feet. Most wells were located on the fringe of the basin in the upper canyon areas and are used primarily for domestic water supply. Groundwater flow direction is down valley to the southeast.

Water Users. There are some small public water systems in the San Luis Obispo County portion of the basin. All other pumping is for residential and agricultural purposes by overlying users.

Basin Yield. No information is available describing basin yield.

Water Quality. Very limited groundwater quality information has been published or described. Water quality data from non-specific sites indicate generally high concentrations of total dissolved solids, chlorides, sulfates, and boron (Chipping, et al, 1993).

Water Availability. Constraints on water availability in the Cholame Valley basin include physical limitations and water quality.

Nacimiento WPA 16

There are no significant groundwater basins in WPA 16. Public water systems such as Heritage Ranch, Water World Resorts, and the Nacimiento Water Company draw water from wells that rely on Nacimiento reservoir surface water or surface water releases. These water systems are discussed in Technical Memorandum 3.

OTHER GROUNDWATER SUPPLY SOURCES

The groundwater basins described above comprise most of the groundwater supply sources in San Luis Obispo County. There are other areas, however, where groundwater wells tap fractured rock aquifers or other non-basin sources. Water resources in some of these areas have been studied on a multiple-parcel basis for specific planning issues or for small public water systems, but in most cases hydrogeologic data is only generated when a new well is drilled or a property is sold. Generally, available information is limited to specific wells; formation-wide data related to aquifer yield, water quality, or water availability is not available.

A general classification of groundwater sources could begin with the age of geologic materials. All the groundwater basins in the county contain unconsolidated Quaternary-age deposits, and some include late Tertiary (Pliocene) deposits. Outside of the basins, the most productive local groundwater supply sources are from Tertiary-age deposits, such as the Santa Margarita Formation, Pismo Formation, Monterey Formation, and Obispo Formation. Older rocks, such as the Cretaceous sedimentary beds, Franciscan Formation, and La Panza granitics have very limited potential for water.

Within each formation there may be productive rock units. For example, in the Franciscan Formation, wells tapping fractured metavolcanics near active faults can supply over 100 gallons per minute to wells, even though most of the formation is relatively dry.

The following table lists some of the more developed areas of the county that are outside of groundwater basins, and the typical groundwater source to wells. If the District requires more detailed information, focused studies would be necessary. Information currently compiled by County departments (such as well logs, pump tests, or water quality for small public water systems in rural areas) would be useful to these studies. Additional information may be available from the DWR and private sources.

Table 2.2 – Other Groundwater Supply Sources

Sub-Region	Area	Common Geologic Formation	Production Zone
North Coast	Santa Rosa Creek Road	Monterey Fm. / Obispo Fm.	Siliceous shale/vitrified tuff
North Coast	Villa/Cayucos/Old/Willow/ Toro Creek Roads	Franciscan Fm. / Vaqueros Fm.	Metavocanics/ fractured sandstone
Inland	Nacimiento / San Antonio Lakes	Cretaceous sedimentary beds	Fractured sandstone
Inland	Adelaide	Monterey Formation	Calcareous siltstone, siliceous shale
Inland	Park Hill	La Panza Granitics	Quartz dikes
Inland	Templeton Hills	Monterey Formation	Fractured shale
South Coast	San Luis Hills/Oak Park	Pismo Formation	Sandstones
South Coast	Nipomo Valley/Los Berros/Tematte Ridge	Obispo Formation/ Monterey Fm.	Vitrified tuff/siliceous shale

APPENDIX C – TM NO. 3, WATER SUPPLY INVENTORY AND ASSESSMENT – WATER SUPPLY, DEMAND, AND WATER QUALITY

TECHNICAL MEMORANDUM NO. 3

Date: March 29, 2010 (Updated 1/21/11)

To: JOSE GUTIERREZ, CAROLLO ENGINEERS

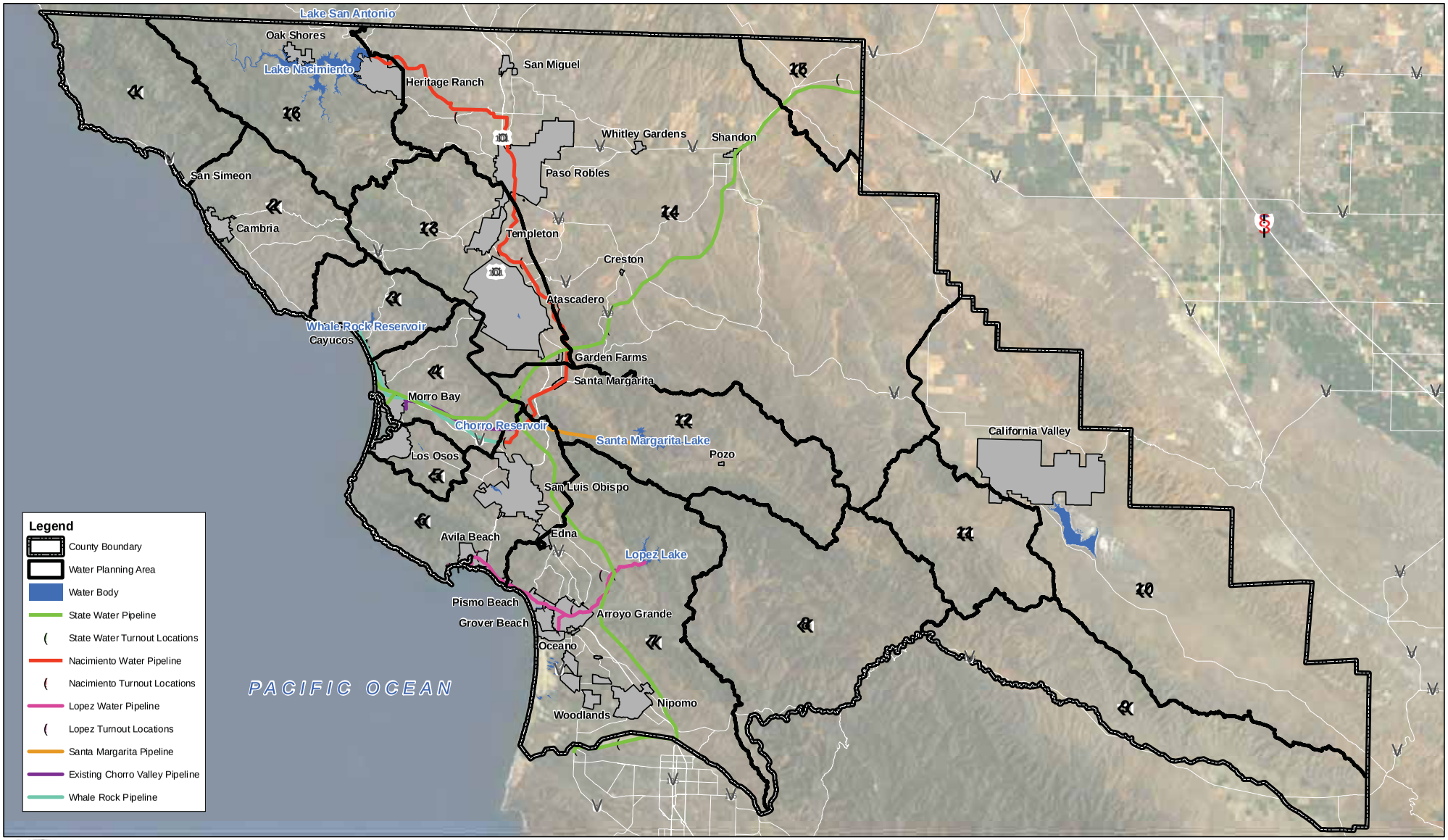
From: STEVE TANAKA, WALLACE GROUP

Subject: TASK C.3 WATER SUPPLY INVENTORY AND ASSESSMENT – WATER SUPPLY, DEMAND AND WATER QUALITY

In conjunction with Fugro West, Inc. and Cleath-Harris Geologists, we are submitting this technical memorandum No. 3 (TM) for Task C.3, Water Supply Inventory and Assessment. This TM focuses on water purveyor water supply, demand and water quality throughout the County. This TM includes a general overview of water supply resources, and more detailed descriptions of water supply for each purveyor (in each corresponding section). This TM also describes the various agreements/contracts of each purveyor with respect to water allocations, and cooperative agreements between multiple parties for overall management of shared water resources. Finally, this TM No. 3 includes an overview of water qualities of the various purveyors throughout the County.

SURFACE WATER RESOURCES

Water is drawn from a number of surface sources, both inside and outside of the County. This section describes the reservoirs in and out of the County that are used as water supply sources within the County. It also includes a brief description of the State Water Project. Allocations and key user agreements are described for each water source. Figure 3.1 shows the location of the conveyance systems for these sources.



San Luis Obispo County Flood Control and Water Conservation District

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MASTER WATER PLAN

WATER CONVEYANCE MAP

FIGURE 3.1

STATE WATER PROJECT

The California Department of Water Resources (DWR) owns and operates the State Water Project (SWP). It is the largest state-built water and power project in the United States. The SWP first started delivering water to Californians in the 1960s and in 1963 the San Luis Obispo County Flood Control and Water Conservation District (District) contracted with DWR for 25,000 acre feet per year (AFY) of State Water. The SWP began delivering water to the Central Coast in 1997 upon completion of the Coastal Branch conveyance and treatment facilities, serving Santa Barbara and San Luis Obispo counties.

The treatment facility for State Water delivered through the Coastal Branch, known as the Polonio Pass Water Treatment Plant (PPWTP), is owned, operated and maintained by the Central Coast Water Authority (CCWA) for users in San Luis Obispo and Santa Barbara Counties. The Coastal Branch conveyance system is owned by DWR, which also operates and maintains the raw water portion of the system. The portion of the aqueduct that conveys treated water is operated and maintained by CCWA. Agreements between CCWA, Santa Barbara County Flood Control and Water Conservation District, District and DWR are in place to establish these roles and relationships.

In San Luis Obispo County, decisions were made in the early 1990's by local municipalities and water purveyors that led to Water Service Amount (WSA) requests for portions of the District's allocation of State Water. After extensive policy discussions regarding the use of State Water, the District entered into Water Supply Agreements with the agencies identified in Table 3.1. Master Water Treatment and Coastal Branch construction agreements with CCWA were also approved for treatment of 4,830 AFY of State Water, the cumulative total of WSA requests.

The SWP is considered a supplementary source of water supply as hydrologic variability, maintenance schedules, and repair requirements can cause reduced deliveries or complete shut down of the delivery system. Since delivery to the Central Coast began, the SWP has provided between 50 and 100 percent of the contracted allocations, but drought coupled with pumping restrictions in consideration of endangered species habitat lowered that amount to 35 percent in 2008 and 40 percent in 2009. To receive a greater portion of State Water, up to their full WSAs, during these shortages, most agencies have entered into "Drought Buffer Water Agreements" with the District for use of an additional portion of the District's SWP allocation, as shown in Table 3.1. For example, when the SWP can only deliver 50% of contracted allocations, an agency with a 100 AFY WSA and a 100 AFY drought buffer allocation can still receive its 100 AFY WSA – 50% of their 100 AFY WSA plus 50% of their 100 AFY drought buffer allocation equals 100 AFY.

Table 3.1 also illustrates that the District has 15,273 AFY of unsubscribed SWP allocation (District allocation (25,000 AFY) minus Total Reserved (9,727 AFY) equals 15,273 AFY), commonly referred to as the "excess allocation." Hydraulics, treatment plant capacity, and contractual terms and conditions limit how the excess allocation can be used. The following is a list of options for use of this excess allocation that will be evaluated in the MWP:

- Direct delivery after contract-revision negotiation for use of any additional capacity available in the Coastal Branch treatment and conveyance facilities;
- As additional drought buffer water;
- Via permanent, multi-year or single year transfer or exchange; and/or
- After groundwater or surface storage.

Table 3.1: District State Water Project Contractors

Contractor	WSA	Buffer	Total Reserved	6% Allocation Year (1977) (1)	66-69% Allocation Year (1)	100% Allocation Year (1)	WPA
Chorro Valley Turnout							
Morro Bay, City of	1,313	2,290	3,603	216	1,313	1,313	4
California Mens Colony	400	400	800	48	400	400	4
County Operations Center	425	425	850	51	425	425	4
Cuesta College	200	200	400	24	200	200	4
Subtotal	**2,338**	**3,315**	**5,653**	**339**	**2,338**	**2,338**	
Lopez Turnout							
Pismo Beach, City of	1,240	1,240	2,480	149	1,240	1,240	7
Oceano CSD	750	0	750	45	495	750	7
San Miguelito MWC	275	275	550	33	275	275	6
Avila Beach CSD	100	0	100	6	66	100	6
Avila Valley MWC	20	60	80	5	20	20	6
San Luis Coastal USD	7	7	14	1	7	7	6
Subtotal	**2,392**	**1,582**	**3,974**	**238**	**2,103**	**2,392**	
Shandon	100	0	100	6	66	100	14
Subtotal	**100**	**0**	**100**	**6**	**66**	**100**	
Total	**4,830**	**4,897**	**9,727**	**584**	**4,507**	**4,830**	

Notes:
1. Minimum, average, and maximum allocations established in the State Water Project Delivery Reliability Report 2007 (August 2008), page 51, Table 6.13.
This study used 66% for the average allocation year.

SWP Reliability

Future SWP deliveries to the District and SWP subcontractors within the County will be affected by many factors, including Delta pumping restrictions and climate change. Estimating the delivery reliability of the SWP depends on many issues, including possible future regulatory standards in the Delta, population growth, water conservation and recycled efforts, and water transfers. The California Department of Water Resources (DWR) published the State Water Project Delivery Reliability Report 2007 (August 2008). The report estimates future (2027) SWP delivery reliability and incorporates the 2007 federal court ruling for Delta pumping and potential impacts of future climate change. When compared to previous reliability reports, total annual deliveries for 2027 show decreases in deliveries in most years if no actions are taken to address the factors causing the decrease in availability. It is important to recognize that actions to re-establish reliability are being evaluated by DWR, State Water Contractors, and other State and Federal agencies. Future actions may include new environmental efforts as well as infrastructure improvements envisioned when the SWP was originally scoped in the 1960s.

Table 6.13 from the 2007 DWR reliability report contains the average, maximum, and minimum estimates of SWP Table A deliveries from the Delta under future conditions. Table 6.13 shows that average SWP delivery amounts may decrease from 8 to 11 percent of maximum SWP Table A amounts as compared to average SWP delivery amount estimates from previous reliability studies. In the 2005 DWR reliability report, delivery amounts were projected to be

77% of maximum SWP Table A amounts on average. The 2007 DWR reliability report projects delivery amounts to be 66 – 69% of maximum SWP Table A amounts on average. The decrease in deliveries is primarily due to flow targets related to Delta smelt, which reduces the amount of Delta water available for export by the SWP and the assumed hydrologic changes associated with climate change.

Table 3.1 not only lists the WSA, drought buffer, and total reserve allocations for the District, but it also provides the average, maximum single year and minimum single year allocations based on the range of deliveries presented in Table 6.13 from the 2007 reliability report. The minimum, average, and maximum deliveries were 6, 66, and 100 percent of the maximum SWP Table A allocations, respectively. For long term planning, it is assumed that SWP contractors will receive 66 percent of the maximum allocation in a given year. The allocations presented in Table 3.1 include the drought buffer (if applicable).

NACIMIENTO WATER PROJECT

The Nacimiento Dam was constructed in 1957 by Monterey County Flood Control and Water Conservation District (now known as the Monterey County Water Resources Agency (MCWRA)). The dam and reservoir continue to be operated by MCWRA. The lake has a capacity of 377,900 acre feet and a surface area of 5,727 acres. Water is collected from a 365.1 square mile watershed that is comprised of grazing lands and rugged wilderness.

In 1959, the District secured the rights to 17,500 AFY from Lake Nacimiento, with 1,750 AFY reserved for lakeside users and the Heritage Ranch Community Services District (CSD). After a long series of studies and negotiations, the Nacimiento Water Project (NWP) was initiated. The NWP is the single largest project that the District has ever undertaken. The total project cost, including design, construction, construction management, environmental permitting, and right-of-way, is approximately $176 million. Water deliveries are slated to begin in 2010. The project will deliver raw lake water from Lake Nacimiento to communities within San Luis Obispo County. Participating entities and their contracted water amounts are listed in Table 3.2.

Table 3.2: NWP Participants

Participants	Allocation (AFY)
City of Paso Robles	4000
Templeton CSD	250
City of San Luis Obispo	3380
Atascadero MWC	2000
CSA 10 A (via exchange)*	25
TOTAL	9655

*See Whale Rock Reservoir Operating Agreements

Though the participants have contracted for 9,655 AFY, the northern portions of the pipeline and appurtenances have been designed for the maximum allowable withdrawal amount of 15,750 AFY. Decreasing percentages of excess capacity are also designed into the southern reaches of the project. It is expected that additional allocations will be purchased in the future by existing participants or other entities. The mechanism by which the participation requests of other entities are considered varies depending on whether or not the entity was a part of the Environmental Impact Report (EIR). If the entity was a part of the EIR, it can proceed directly to the District Board of Supervisors for consideration. If it was not a part of the original EIR, it must consult with the Nacimiento Project Commission and obtain written support from existing

participants that represent at least 55% of existing subscription amounts before proceeding to the District Board of Supervisors for consideration.

WHALE ROCK RESERVOIR

Whale Rock Reservoir is located on Old Creek Road approximately one half mile east of the community of Cayucos. The project was planned, designed, and constructed under the supervision of the State Department of Water Resources. Construction took place between October 1958 and April 1961. The reservoir is jointly owned by the City of San Luis Obispo, the California Men's Colony, and Cal Poly. These three agencies, with the addition of a representative from the Department of Water Resources, form the Whale Rock Commission which is responsible for operational policy and administration of the reservoir and related facilities. Day-to-day operation is provided by the City of San Luis Obispo.

Whale Rock reservoir is formed by an earthen dam and was able to store an estimated 40,662 acre-feet of water at the time of construction. The calculation of the yield available is coordinated with Salinas Reservoir using a safe annual yield computer model. The model also evaluates the effect of siltation. The Whale Rock Commission has budgeted for a siltation study to be undertaken in the near future.

Operating Agreements

Several agreements establish policy for the operation of the Whale Rock system and actions of the member agencies. A brief description of the existing agreements follows:

A) Agreement for the construction and operation of the Whale Rock Project, 1957, set forth the project's capital cost distribution to the member agencies.

B) A supplemental operating agreement, 1960, established the Whale Rock Commission and apportioned the operating costs.

C) Downstream water rights agreement (the original 1958 agreement was amended in April 1996) defining water entitlements for adjacent and downstream water users. The Cayucos Area Water Organization (CAWO) affected by this agreement consists of three public water purveyors and the cemetery, all in the Cayucos area. In addition to the agencies, water entitlements were identified for two separate downstream land owners. Entitlements are as follows (units of AFY):

Cayucos Area Water Organization (CAWO)[1]	
Paso Robles Beach Water Association	222
Morro Rock Mutual Water Company	170
County Service Area 10A	190
Cayucos-Morro Bay Cemetery District	18
Mainini Ranch	50
Ogle	14
Total Downstream Entitlement	664

The agencies generally receive their entitlements via pipeline from the reservoir, while the land owners' entitlement is released from the reservoir.

D) A decision and order by the Fish and Game Commission of the State of California, October 24, 1964, required the Whale Rock Commission to stock the reservoir with

[1] The referenced agreement establishes the amount of 600 AFY to CAWO. The allocations to the CAWO members are part of an internal agreement amongst the members.

17,500 rainbow trout (between six and eight inches long) each year. Subsequent DFG decisions have prohibited restocking with rainbow trout.

E) Superior Court decision #36101, 1977, required the Whale Rock Commission to allow public entry to the reservoir for fishing. In 1981, construction was completed on access trails and sanitary facilities at the reservoir, and public fishing began at the lake.

F) An agreement for water allocation and operational policy between the agencies forming the Whale Rock Commission. The agreement established the accounting procedures to allow each agency to carry over excess or deficit water each year.

G) An agreement between the Whale Rock Commission and the California Men's Colony, 1990, to establish maintenance and operation criteria for the Chorro Booster pumps. The Chorro Booster pumps were installed by the Commission on the California Men's Colony turnout from the Whale Rock line to reduce system pressures required to provide full flow to the California Men's Colony water treatment plant. Pump and pump station maintenance, per the agreement, are the responsibility of the California Men's Colony.

H) An agreement between the Whale Rock Commission and the County of San Luis Obispo for connection to the Whale Rock pipeline, 1995, allowed a pipeline connection to deliver water to the Dairy Creek Golf Course. Typically, the golf course uses recycled water from the California Men’s Colony. Water from Whale Rock Reservoir can be delivered when recycled water is not available under the terms of the agreement.

I) A consent to common use agreement, 1996, between the Whale Rock Commission and the County of San Luis Obispo. The agreement allowed the installation of the State Water pipeline at seven locations within the existing Whale Rock pipeline easement.

J) A mutual aid agreement between the Whale Rock Commission and the City of Morro Bay, 2000, relative to water resources in the event of an emergency.

K) An exchange agreement, 2005, between CSA 10A and the City of San Luis Obispo allowing the delivery of up to 90 AFY of the City’s Whale Rock water allocation to CSA 10A in exchange for CSA 10A’s purchase of an equivalent amount of Nacimiento Water for delivery to the City. The anticipated need for CSA 10A is 25 AFY at build-out.

The following table below summarizes the current capacity rights for the joint right-holders (downstream water rights are accounted for separately).

Table 3.3: Whale Rock Reservoir Allocations

Water Users	%	AF
City of San Luis Obispo:	55.05	22,383
Cal Poly	33.71	13,707
CMC	11.24	4,570
TOTAL	100	40,660

Each rights-holder manages reservoir withdrawals individually from their available water storage allocation. The Whale Rock Commission tracks withdrawals and reports available volume on a monthly basis.

LOPEZ LAKE/RESERVOIR

The San Luis Obispo County Flood Control and Water Conservation District completed the Lopez Dam in 1968 to provide a reliable water supply for agricultural and municipal needs as well as flood protection for coastal communities. Lopez reservoir has a capacity of 49,388 AF.

The lake covers 950 acres and has 22 miles of oak covered shoreline. Allocations for Lopez water are based on a percentage of the safe yield of the reservoir, 8,730 AFY. Of that amount, 4,530 AFY are for pipeline deliveries and 4,200 AFY are reserved for downstream releases. The dam, terminal reservoir, treatment and conveyance facilities are a part of Flood Control Zone 3.

The agencies that contract for Lopez water in Zone 3 include the communities of Oceano, Grover Beach, Pismo Beach, Arroyo Grande, and County Service Area (CSA) 12 (including the Avila Beach area). Their allocations are shown in the table below.

Table 3.4: Lopez Lake Allocations

Water Users	AFY
City of Pismo Beach	896
Oceano CSD	303
City of Grover Beach	800
City of Arroyo Grande	2290
CSA 12	241
TOTAL	4530

There are two developments that could change both the amount of water available to contractors and the safe yield. The Arroyo Grande Habitat Conservation Plan, which is currently being developed, will likely require additional downstream releases. An interim downstream release schedule has reduced the amount of water available to municipalities. Changes in operation of the dam are being considered for reducing spills and optimizing future deliveries. Additionally, the City of Pismo Beach, on behalf of the Zone 3 agencies, has taken the lead on conducting a study to consider the feasibility of modifying the dam to augment capacity of the reservoir.

SANTA MARGARITA LAKE/SALINAS RESERVOIR

The Salinas Dam was built in 1941 by the War Department to supply water to Camp San Luis Obispo and, secondarily, to meet the water needs of the City of San Luis Obispo. The Salinas Reservoir (Santa Margarita Lake) captures water from a 112 square mile watershed and can currently store up to 23,843 acre-feet. In 1947, the Salinas Dam and delivery system was transferred from the regular Army to the U.S. Army Corps of Engineers. Shortly thereafter, the San Luis Obispo County Flood Control and Water Conservation District began operating this water supply for the City under a lease from the U.S. Army Corps of Engineers. Water from the reservoir is pumped through the Cuesta Tunnel (a one mile long tunnel through the mountains of the Cuesta Ridge) and then flows by gravity to the City's Water Treatment Plant on Stenner Creek Road. Transfer of dam ownership to the District from the U.S Army Corps of Engineers is under consideration.

The original design of the dam included spillway gates that would have increased capacity to an estimated 45,000 AF, and an increase in safe annual yield of 1,650 AFY. Though these gates were not installed due to safety concerns, more recent studies have shown that gates could be installed in conjunction with structural improvements to the dam. With its participation in the Nacimiento Water Project, the City has concluded that plans for expansion of the Salinas Reservoir should be put on hold. There is a possibility that this expansion right might be eliminated from the City's Water Rights Permit when it is renewed or licensed after December 2010.

The City withdrawals are coordinated with Whale Rock Reservoir using a safe annual yield computer model. The City's combined safe yield of the two reservoirs was 6950 AFY in 2009. The model also evaluates the effect of siltation.

CHORRO RESERVOIR

(Information for this section was taken from an interview with John Kellerman, the Plant Manager at the California Men's Colony and from the 2003 Chorro Valley Study).

The Chorro Reservoir is located approximately ¾ of a mile northeast of the California Men's Colony (CMC) in the upper Chorro watershed. The Chorro Reservoir is part of the Chorro Valley Water System operated by CMC. The system provides storage, treatment and distribution to four major users:

- The California Men's Colony (CMC)
- Camp San Luis Obispo/California National Guard (CSLO)
- San Luis Obispo County Operational/Education Centers (SLOCo)
- Cuesta Community College (Cuesta)

The reservoir and treatment plant were constructed by the US Army Corps of Engineers to provide water to Camp San Luis Obispo at the beginning of World War II. The net storage capacity of the Chorro Reservoir has decreased since it was constructed due to sedimentation, and was estimated to be 105 acre-feet, based on a study prepared by DWR in 1989. More recent studies indicate that the capacity is currently closer to 90 acre-feet. Safe annual yield is considered to be 140 AFY, as the watershed provides much more than what can be stored in the reservoir, even in drought years. It is worth noting that water demand at the Camp, both during the war and subsequently, has been met almost exclusively through surface flows to the reservoir from the Chorro watershed and from groundwater wells on the Camp property. Although the Salinas Reservoir waterline was extended from the Cuesta Water Tunnel to the Chorro Reservoir as part of the original improvements in World War II, the pipeline has only been used to convey water from the Salinas Reservoir to the Camp twice since construction.

CSLO has priority rights to water from Chorro Reservoir, with entitlement to 140 AFY. CMC has right to any excess. The Mainini Ranch has an agreement with CSLO for a delivery of up to 25 AFY, but has only used an average of 5 to 7 AFY over the past decade. For further discussion on agreements related to the Chorro Reservoir, see the description of the Chorro Valley Water System.

TWITCHELL RESERVOIR

Twitchell Dam is on the Cuyama River about 6 miles upstream from its junction with the Sisquoc River. Though the dam is located in Santa Barbara County and operated by the Santa Maria Valley Water Conservation District (SMVWCD), the reservoir straddles the county line and some agricultural land within San Luis Obispo County is irrigated from the Santa Maria Groundwater Basin replenished by the reservoir. The multiple-purpose Twitchell Reservoir has a total capacity of 224,300 acre-feet. It stores floodwaters of the Cuyama River, which are released as needed to recharge the ground-water basin and to prevent salt water intrusion. The reservoir supplies on average 32,000 AFY of recharge to the Santa Maria Groundwater Basin, though this value fluctuates significantly relative to annual precipitation. Because the reservoir is managed for flood control and groundwater recharge, the reservoir is empty much of the time. A majority of the groundwater flows towards the ocean, though a small gradient flows seasonally to the Nipomo Mesa.

OTHER WATER SUPPLY SOURCES

Other water supply sources in the County include seawater/brackish water desalination, recycled water (from municipal wastewater treatment plants), water conservation, and decentralized water supply opportunities.

Desalination

In the County, there is only one operating desalination facility, that being the City of Morro Bay's desalination plant. In the past the City has used the salt water reverse osmosis (SWRO) treatment plant to treat water from saltwater wells and to remove nitrates from fresh water wells. Recently the City completed the installation of two 450 gallons per minute (gpm) brackish water reverse osmosis (BWRO) treatment trains. The addition of these treatment processes will enable the City to treat both fresh water and salt water wells simultaneously, and will also reduce the energy usage of the facility as well. The SWRO trains are designed to produce approximately 645 AFY of potable water from sea water. The BWRO system is capable of treating the entire 581 AF of Morro Basin groundwater that the City can extract by permit.

Other Desalination Projects. The Cambria CSD has been striving to develop a seawater desalination plant to meet existing and future water demands. This plant, if implemented, is expected to produce up to 602 AFY. This plant will operate during the summer season to augment supply during the summer and high demand period (from summer tourism). A recycled water system is also planned, with an estimated 180 AFY made available for unrestricted irrigation use.

Three agencies, the City of Arroyo Grande, the City of Grover Beach, and the Oceano Community Services District (Agencies), participated in the evaluation of a potential drought-proof water supply, seawater desalination, to supplement their existing potable water sources. Currently, all three Agencies receive water from various sources, including: the California State Water Project, Lopez Lake Reservoir, and groundwater from the Arroyo Grande Plain/Tri-Cities Mesa Groundwater Basin. Recent projections of water supply shortfalls in the region motivated the Agencies to conduct a more detailed study of desalination as a supplemental water supply. The study focused on utilizing the existing South San Luis Obispo County Sanitation District's (SSLOCSD) wastewater treatment plant site to take advantage of utilizing the existing ocean outfall, while having the plant located near the ocean seawater source. The feasibility study, completed in 2008, was based on a 2,300 AFY seawater desalination facility. Some of the major points of interest and concern of this study include:

- Some 20 or more beach wells may be needed to provide enough seawater to produce the 2,300 AFY potable water.
- Permitting and environmental issues could be complex, and implementation could take 8 years or longer.
- Initial capital cost could be in the range of $35 million, and customer rates could be impacted by 18% to over 100% to fund the project, and would cost in the neighborhood of $2,300 per AF or more, on a 20-year life cycle basis.

Water Recycling

There are several purveyors and agencies that recycle municipal wastewater in the County. Details of each purveyor or sanitary agency's recycled water program is discussed in detail in the corresponding sections later in this chapter. Recycled water qualities range from secondary quality (as defined by Title 22 CCR) to the highest level of treatment, tertiary 2.2 quality for unrestricted use. The most established water recycling program in the County is that of the City of San Luis Obispo. The City currently delivers 135 AFY to nearby golf courses, schools and commercial establishments, with expectations of augmenting up to 1,000 AFY of potable water with recycled water for irrigation. The City also must maintain discharge to San Luis Obispo Creek, and this flow amounts to approximately 1,800 AFY. Other water recycling projects in the County include:

- Nipomo CSD (Blacklake WWTP, Southland WWTP)
- California Men's Colony (Dairy Creek Golf Course)
- Templeton CSD (Meadowbrook WWTP/recharge Salinas River underflow)
- City of Atascadero WRF (Chalk Mountain Golf Course)
- Rural Water Company (Cypress Ridge Golf Course)
- Woodlands MWC (Monarch Dunes Golf Course)

Water Recycling Studies and Potential Future Recycling Projects. Numerous agencies have undertaken recycled water feasibility studies, to determine the viability of developing recycled water projects. Such agencies include, but may not be limited to:

- San Simeon CSD
- Cambria CSD
- City of Morro Bay/Cayucos Joint WWTP
- City of Paso Robles
- South San Luis Obispo County Sanitation District (SSLOCSD) WWTP
- City of Pismo Beach
- Avila Beach CSD/Port San Luis
- Los Osos CSD

SSLOCSD Recycled Water Feasibility Study Update. In 2001, the SSLOCSD conducted a recycled water feasibility study, with the assistance of State SRF grant funds. The South San Luis Obispo County Sanitation District (SSLOCSD) provides wastewater services to the Cities of Arroyo Grande and Grover Beach, the community of Oceano, and a small amount of unincorporated County territory.

Presently the SSLOCSD facility has a wastewater treatment capacity of 5.0 MGD (5,600 AFY). The treatment facility currently processes 2.8 MGD (3,136 AF/YR) of wastewater from the service area. Additionally, the City of Pismo Beach shares the use of the effluent outfall line discharging approximately 1.2 MGD in addition to the District's flow. The City of Pismo Beach wastewater plant has a permitted capacity of 1.75 mgd.

The updated study, completed in 2008, included "traditional" alternatives to irrigate turf and landscaping with secondary (where allowed) and tertiary effluent. Brief summaries of these additional alternatives are as indicated in the following paragraphs. A summary of costs is presented in Table 2.2 (taken from the Recycled Water Feasibility Study Report in its entirety).

- Stream flow augmentation. Tertiary recycled water would be piped to just below Lopez Dam, and discharged to Arroyo Grande Creek, thus "freeing up" possibly 4,200 AFY water that must otherwise be released from Lopez Dam for environmental stream flow. Due to projected high chloride levels, the alternative would likely require reverse osmosis treatment or other means of reducing overall TDS and chloride levels.
- Agricultural Irrigation There are approximately 3,000 acres of agricultural land in production, with in 3 miles of the SSLOCSD WWTP. Upgrading the plant to produce tertiary 2.2 effluent, and using the recycled water for crop irrigation could utilize most if not all of the effluent produced at the WWTP. Such a project, similar to any large-scale recycling project, requires a significant amount of planning, public education and outreach in order to be successful.
- Groundwater Recharge/Indirect Potable Reuse. The study evaluated possible well sites that could be used to re-inject highly treated recycled water in the groundwater basin, in compliance with CDPH groundwater regulations. Such water, after adequate residence time, and meeting the total organic carbon requirements, could be withdrawn from the aquifer thus increasing the well production currently limited in the Five Cities area.

Table 2.2 – Summary of Costs, SSLOCSD Recycled Water Alternatives

Alternative	Capital Cost, $[b]	Cost, $/AFY[c]
1-1. Turf Irrigation in SSLOCSD service area south of Hwy 101	$16,00,000	$11,600
1-2. Turf Irrigation, SSLOCSD and expanding north of Hwy 101	$19,000,000	$12,000
2. Direct Crop Agricultural Irrigation	$23,000,000	$1,200 to 1,400[d]
3-1. Stream Augmentation/Tertiary Effluent	$15,000,000	$4,200
3-2. Stream Augmentation/MF-RO Process Water	$30,000,000	$1,500 to $,700[d]
4. Indirect Potable Reuse	$38,000,000	$1,700 to 2,000[d]

[a] Costs do not include seasonal storage (where required), user on-site modifications, and other incidental costs to User
[b] Year 2008 dollars, rounded to nearest $1 million.
[c]Annualized costs/life cycle cost basis, 20 year life, 5% inflation.
[d]Low range based on possible Title XVI grant funding at 25%.

It should also be noted that this Report included discussions on opportunities for funding such recycled water projects. Funding opportunities included:

- Title XVI (Water Reclamation and Reuse) Program, can fund overall up to 25% of total project costs.
- State Revolving Fund Program/Water Recycling Funding Program.

- It was noted that other opportunities existed at the time of the report, for possible economic stimulus finding. Opportunities for such funding, however, are slim given that projects were to be “shovel ready”, and many agencies are competing for funding.
- In January 2010, the cities of Arroyo Grande and Pismo Beach initiated a joint study of recycled water feasibility to focus on alternatives to deliver secondary effluent to the Arroyo Grande Cemetery and the Caltrans Highway 101 median. This study is expected to be complete in April 2010.

Water Conservation

Water conservation programs are being implemented throughout the County. Most purveyors established water conservation programs during a prolonged drought in the early 90s. In the current drought, purveyors have been aggressively promoting conservation measures to their customers. Many have made mandatory conservation requirements part of the building code and others have provided incentives for voluntary conservation. Certain conservation measures are required as part of the State’s Urban Water Management Plan (UWMP) program. Two voluntary organizations assist members to implement these and other conservation measures. The conservation element of the UWMP and the programs of the two agencies are described below.

Urban Water Management Plans: California’s Urban Water Management Planning Act requires that every urban water supplier that provides water to 3,000 or more customers, or that provides over 3,000 acre-feet of water annually, should prepare and implement a plan (UWMP) to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry years. The Act requires that an UWMP contain a discussion of a water purveyor’s water Demand Management Measures (DMMs), including a description of each DMM currently being implemented or scheduled for implementation, the schedule of implementation for all DMMs, and the methods, if any, the supplier will use to evaluate the effectiveness of DMMs. The Urban Water Management Planning Act identifies 14 specific DMMs:

1. Water conservation coordinator;
2. Water Survey Programs for single-family residential and multi-family residential customers;
3. Residential plumbing retrofit;
4. System water audits, leak detection, and repair;
5. Metering with commodity rates for all new connections and retrofit of existing connections;
6. Large landscape conservation programs and incentives;
7. High-efficiency washing machine rebate programs;
8. Public information programs;
9. School education programs;
10. Conservation programs for commercial, industrial, and institutional accounts;
11. Wholesale agency programs;
12. Conservation pricing;
13. Water waste prohibition; and
14. Residential ultra-low flush toilet replacement programs.

The UWMP must discuss each of these potential DMMs and any other measures the supplier is implementing or has scheduled for implementation through a five-year period. The entire UWMP is to be updated every five years. If a particular DMM is not scheduled for implementation by the

water supplier, the UWMP must include a cost-benefit evaluation that takes into consideration the economic, environmental, social, health, customer impact, and technological factors.

In addition to DMMs, the UWMP must also include a Water Shortage Contingency Plan, containing information on actions to be undertaken in response to water supply shortages of varying severity. These actions generally begin with voluntary conservation measures during periods of moderate shortage or high demand and progress to increasingly stringent mandatory restrictions on water use during severe shortages. Most purveyors have put some level of these Contingency Plans into place during the current drought.

Partners in Water Conservation: Partners in Water Conservation (PIWC) is a group of San Luis Obispo County water purveyors working together to provide the community with valuable information and educational opportunities on how to use water more efficiently, both indoors and outdoors. Members include:

City of Arroyo Grande
City of Grover Beach
City of Morro Bay
City of Paso Robles
City of Pismo Beach
City of San Luis Obispo
County of San Luis Obispo
Atascadero Mutual Water Company
Cambria Community Services District
Los Osos Community Services District
Nipomo Community Services District
Templeton Community Services District

The partnership has sponsored a number of programs and publications to promote conservation in the communities they serve. Some of their efforts include:

- Features of a Sustainable Landscape (brochure)
- Water Conserving Plants for Northern San Luis Obispo County (directory)
- Water Wise Landscape Workshops held annually in the summer
- Regular meetings of the membership to coordinate activities and to share lessons learned.

In addition to joint activities, each of the members has water conservation programs in their service areas which are described in the discussion for each purveyor.

California Urban Water Conservation Council: The California Urban Water Conservation Council (CUWCC) was created to increase efficient water use statewide through partnerships among urban water agencies, public interest organizations, and private entities. The Council's goal is to integrate urban water conservation Best Management Practices (BMPs) into the planning and management of California's water resources. Members pledge to develop and implement 14 comprehensive conservation BMPs. These are identical to the 14 DMMs required by the UWMP Act. CUWCC offers an extensive array of resources to assist members in the their conservation goals, including model municipal codes, sample surveys, conservation publications, descriptions of lessons learned from other members, and variety of technical resources to assist water suppliers in planning, estimating costs, and determining impact of BMP implementation.

SLO County members include:

- City of Pismo Beach
- City of San Luis Obispo
- Central Coast Water Authority
- Golden State Water Company
- Atascadero Mutual Water Company
- Cambria Community Services District
- Nipomo Community Services District
- Templeton Community Services District

Decentralized Supply Opportunities

Considering that the majority of potable water supply at the household level is consumed for non-potable uses such as toilet flushing and outdoor irrigation, there are opportunities for homeowners and businesses to develop their own non-potable water sources on a small scale basis. Along those lines, two "green" technologies that have been given significant attention recently are graywater recycling and stormwater reuse/rainwater harvesting.

Typical graywater systems harvest wastewater from households or buildings that has not come into contact with toilet or kitchen sink waste. The harvested water is then filtered for distribution in underground irrigation systems. More elaborate systems can be designed to use graywater for toilet flushing, though plumbing codes make this option more complex. The San Luis Obispo Coalition of Appropriate Technology (SLO-COAT) as recently published a homeowner's guide to the design and construction of relatively simple graywater systems that can be used for outdoor irrigation. The state is also revising plumbing codes to make graywater systems easier to install.

Promotion of stormwater reuse has been adopted the SWRCB as part of the latest strategic plan, nad is part of the State's recently adopted Water recycling Policy. Stormwater reuse is considered a locally available, sustainable supply, consistent with implementation of the California Global Warming Solutions Act of 2006, and other State and regional efforts.

Rainwater harvesting is a form of stormwater reuse, usually practiced on a small scale by homeowners. Rainwater harvesting is the process of intercepting stormwater runoff from a surface (e.g. roof, parking area, land surface), and putting it to beneficial use. Intercepted stormwater can be collected, slowed down, and retained or routed through the site landscape using cisterns, microbasins, swales and other water harvesting structures. Water harvesting reduces dependence on dwindling groundwater reserves and expensive imported water. Capturing and using stormwater runoff also reduces site discharge and erosion, and the potential transport of stormwater pollutants.

Stormwater reuse can be promoted in a variety of ways. For example, the city of Tucson, Arizona became the first municipality in the country to require developers of commercial properties to harvest rainwater for landscaping. The new measure – approved by a unanimous vote by the City Council – requires that new developments meet 50% of their landscaping water requirements by capturing rainwater. The new rule goes into effect June 1, 2010.

Consumer education is also a common approach to promoting stormwater capture and reuse. The City of Tucson has published its Water Harvesting Guidance Manual and the Texas Water Development Board has published the Texas Manual on Rainwater Harvesting. At the local level, SLO-COAT is planning to release a homeowner's guide to Low Impact Development which will emphasize simple techniques for stormwater capture and reuse at the household level.

The Atascadero Mutual Water Company has instituted a rebate program aimed at reducing landscape irrigation. One of the conservation measures supported by the program is the

installation of rainwater harvesting systems at the household level, providing a rebate of up to $250 for storage tanks or cisterns designed to capture rainfall for use during dry periods.

Cambria CSD requires that residences built on properties larger than 8,000 sq ft. must have non-potable water collection cisterns for irrigation watering. 22 cisterns have been installed to date.

Given the large quantity of usable water that flows into household drains or runs off rooftops in the County, consideration should be given to further promoting stormwater reuse and graywater recycling as supplemental sources of water supply for landscape irrigation and other domestic uses.

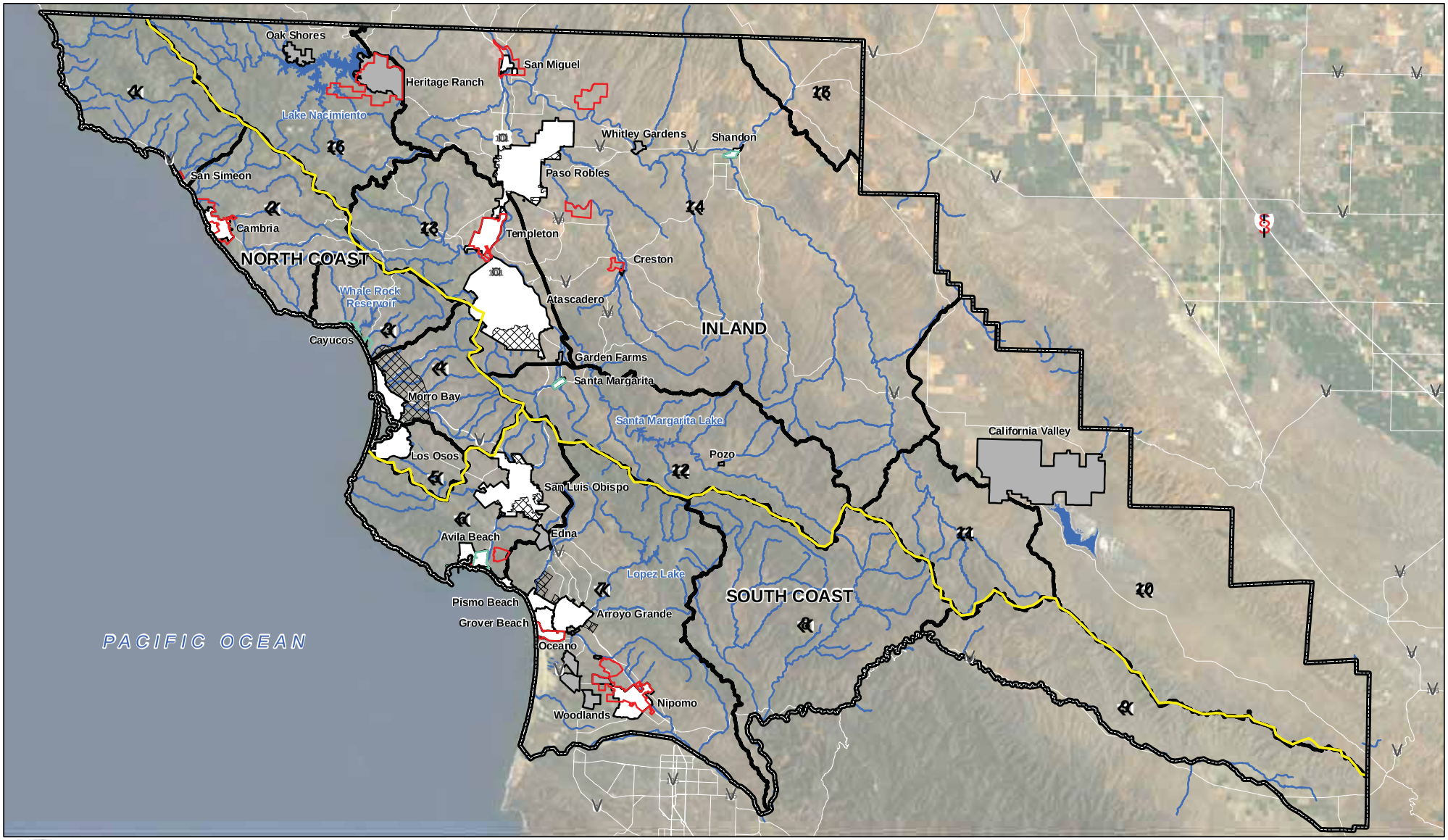
WATER PURVEYORS OF SAN LUIS OBISPO COUNTY

This section describes the existing and future water supplies and demands for the larger water purveyors throughout the County. Supply and demand for consumers served by smaller water purveyors are included in the discussion and analysis of overlying users. Figure 3.2 depicts an overview of the County, major cities and agencies germane to this master water plan, water regions and sub-regions.

NORTH COAST SUBREGION

This section describes water supply, water demand, and water quality for Water Planning Areas 1 to 4:

- San Simeon WPA 1: San Simeon CSD
- Cambria WPA 2: Cambria CSD
- Cayucos WPA 3: Cayucos Area Water Organization (Morro Rock Mutual Water Company, Paso Robles Beach Water Association, CSA 10A)
- Morro Bay WPA 4: City of Morro Bay and Chorro Valley Water System (California Men's Colony, Cuesta College, Camp San Luis Obispo, County Operations Center/Office of Education)
- Los Osos WPA 5: Community of Los Osos and vicinity (Golden State Water Company, Los Osos CSD, S&T Mutual Water Company).



San Luis Obispo County Flood Control and Water Conservation District

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MASTER WATER PLAN

PROJECT BASEMAP

Legend

County Boundary
County Sub-Region
Urban Reserve Line
Village Reserve Line
CSD
CSA
SOI
Water Body
Major Rivers/Streams

FIGURE 3.2

San Simeon WPA 1

San Simeon Community Services District

Source: *November 2007 Water System Master Plan and Wastewater Collection System Evaluation; Discussion with Water Committee August 2010.*

The San Simeon Community Services District (San Simeon CSD) supplies its customers with domestic water service, wastewater service, and fire protection, among other services.

Land Use and Service Population. San Simeon is located on the central coast of San Luis Obispo County, along Highway 1 north of Cambria. The San Simeon CSD serves an area of approximately 100 acres, which includes approximately 320 residential dwelling units and over twice that number of hotel/motel units. Though the permanent residential population is estimated at 247, the tourist population can outnumber locals and varies with the season.

Existing (2006) Population: 247 permanent residents and 22.72 acres commercial/retail.

Build-out Population: 740 permanent residents and 42.54 acres commercial/retail.

The build-out population is the upper range from the San Simeon Community Plan which assumes 530 dwelling units and 1.4 persons per DU.

Water Demand. Water demand is summarized as follows:

- 2007 Average Day Demand (ADD): 108 AFY (0.096 MGD)
- 2007 Gross Per Capita Demand: 388 gpcd
- 2007 Residential Per Capita Demand: 72 gpcd
- Maximum Month Demand: 2.0 times ADD
- Future ADD (2025): 224 AFY (0.200 MGD.) based on land use water duty factors
- Future ADD (Build-out): 250 AFY

The relatively high gross per capita demand is due to the small resident population compared to the size of the overall population (tourists and residents) that depends on San Simeon CSD water. The commercial/retail sector constitutes over 70% of the annual demand. Build-out water demand is based on 3,426 gpd/acre for the non-residential sector and 72 gpcd consumption for residents.

Water Supply - Existing. The San Simeon CSD depends on groundwater from the Pico Creek underflow. Though the SWRCB permits extraction of up to 140 AFY, groundwater studies indicate a safe yield of only 120 AFY, with 16 AFY used at Hearst Ranch. This leaves the San Simeon CSD with a safe yield of 104 AFY.

Water Supply – Future: The Master Plan does not suggest future water supply alternatives, although historically San Simeon CSD has been water-short numerous times during dryer years. As a result of the limitations and unreliability of the supply, a moratorium on development has been in place since 1991. The San Simeon CSD plans to move forward with upgrading its wastewater treatment facility to ultimately be able to use the effluent as recycled water. Desalination, either jointly with Cambria or separately, or coordination with the Hearst

Ranch on a groundwater source of supply to meet build-out needs are options under consideration.

Water Conservation: The San Simeon CSD has adopted an ordinance establishing a 3-stage conservation plan based on water supply conditions. The community has also gone through a retrofit program and the hotels and restaurants continuously have water conservation measures in place.

Water Quality. Contamination of water supply wells due to seawater intrusion is a major water quality concern in the basin (Cleath, 1986). Lowering of groundwater levels below sea level in the basin during the summer months when creek flows are absent and pumping is active can result in the landward migration of the sea water/fresh groundwater interface. The landward flow of seawater into the estuary during winter high tides is also a contributing factor. Although seawater intrusion has increased salinity levels in groundwater pumped from local water supply wells, it has not degraded water quality to the point that the water is non-potable. The 2008 Consumer Confidence Report for two San Simeon CSD wells reported that measured concentrations of all analyzed contaminants were below their respective Maximum Contaminant Level (MCL) or Regulatory Action Level (AL) values.

Cambria WPA 2

Cambria Community Services District

Source: *2005 Cambria CSD Urban Water Management Plan, 2008 Water Master Plan EIR, Discussion with Engineering Manager August 2010*

Cambria is an unincorporated community located in the coastal region of central California, in the northwestern portion of San Luis Obispo County. Cambria is located along Highway 1, approximately 35 miles north of San Luis Obispo. The Cambria Community Services District (Cambria CSD) is an independent special district that provides water, wastewater, fire and other community services to its customers.

Land Use and Service Population. Cambria's URL encompasses approximately 2,351 gross acres, with a net acreage of approximately 1,790 acres, not counting the land in the road rights of way and beach areas along the ocean. Cambria primarily consists of residential uses with combinations of commercial and public institutional uses along Main Street. The surrounding outlying areas are devoted to agricultural uses, primarily grazing, which contribute to the unique setting of Cambria.

Existing (2007) Population: 6,284 (based on 3,786 dwelling units and 2.21 persons/DU)

Build-out Population: Ranges between 8,257 and 13,547 depending on assumptions; current direction in Cambria is to plan for 7,719 (based on 4,650 dwelling units and 1.66 persons/DU).

Water Demand. Water demand is summarized as follows:

- 2003 Average Day Demand (ADD): 815 AFY (0.73 MGD)
- 2003 Per Capita Demand: 90 gpcd (residential)

- Build-out ADD[2]: 1,514 AFY (1.35 MGD) at 175 gpcd (gross)

Water Supply - Existing. To meet water demand, the Cambria CSD operates wells that draw from local groundwater aquifers along the San Simeon and Santa Rosa Creeks. Cambria CSD's water rights are subject to the regulatory authority of the State Water Resources Control Board (SWRCB), and to a certain extent, conditions imposed under development permits issued by the California Coastal Commission (CCC). The current water rights diversion permits from the SWRCB allow Cambria CSD to pump a maximum of 1,118 acre-feet (AF) of water during the wet season, and 630 AF of water during the dry season[3], from both the San Simeon and Santa Rosa Basins. However, the current CCC Development Permit limits the total annual diversion from both creeks to no more than 1,230 AF of water. Additionally, the dry season date, duration, and beginning groundwater levels, limit the actual availability of groundwater from both basins. Currently the water supply of Cambria CSD is at a Level III severity rating (resource capacity has been met or exceeded) due to unreliability of the groundwater supply to meet existing demands.

Water Supply – Future: To meet the additional needs towards build-out and to increase water supply reliability, the Cambria CSD plans to construct a Seawater Desalination Plant to produce up to 602 AFY. This plant would operate during the dry season to augment supply during that period of high demand. A decentralized recycled water program is also planned, with an estimated 180 AFY made available for unrestricted irrigation use.

Water Conservation: Historically, the Cambria CSD has used conservation as a means to extend its existing supplies. Since 1988, a plumbing retrofit program has required the installation of water efficient fixtures upon resale or remodel of a home. The program was expanded in 1990 to require water efficient fixtures for new construction and for existing buildings that require a new connection permit. Since that time, the Cambria CSD has initiated a number of other conservation measures, including rebate programs and plumbing requirements that have resulted in an estimated savings of 18.9 AFY. Cambria CSD is a member of the California Urban Water Conservation Council (CUWCC) and Partners in Water Conservation.

Water Quality. In 1999, the Cambria CSD learned of an MTBE contamination plume that was spreading towards its Santa Rosa well field. As a result, its existing Santa Rosa well field was shut down and an emergency well and treatment plant were constructed further upstream. The new treatment plant provides filtering, disinfection, as well as the removal of iron and manganese. The adjustments made in well locations and the additional treatment provided for Santa Rosa Creek well have resulted in delivery of water to customers that meet both primary and secondary drinking water standards.

Cayucos WPA 3

Cayucos Area Water Organization

Source: *2007 Water Management Plan Update and 2003 CSA 10A Water System Master Plan*

[2] The Water Master Plan presents several build-out scenarios with a range of annual demand projections from as low as 1,009 AFY to as high as 2,714 AFY. The above figure reflects a planning target for Scenario 4, a 50% quality of life increase in demand allowance and a 1.66 people/unit occupancy rate (Table 2.7, Assessment of Long-Term Water Supply Alternatives).

[3] The dry season begins on May 1 for the Santa Rosa basin and is tied to creek flows in the San Simeon basin. The dry season ends on October 31 for both basins.

The Cayucos Area Water Organization (CAWO) is made up of three member utilities and a cemetery district, the Morro Rock Mutual Water Company (Morro Rock MWC), the Paso Robles Beach Water Association (PRBWA), County Service Area 10A (CSA 10A) and Cayucos Cemetery District (CCD). CSA 10 operates a surface water treatment plant which delivers filtered and chlorinated water to the CAWO members. The three utility purveyors supply their customers with domestic water service, landscape irrigation and fire protection, among other services. The CCD uses the water for irrigation purposes.

Land Use and Service Population. Cayucos is a small oceanfront community with a mixture of vacation homes and full-time residences. A commercial sector serves both the residential and tourist population.

Water Demand. Water demand is summarized as follows:

- 2007 Average Day Demand (ADD): 432 AFY
- 2007 Per Capita Demand: 87 gpcd
- Build-out ADD: 641 AFY

Water Supply - Existing. CAWO members receive water from Whale Rock Reservoir with a maximum total annual entitlement of 600 AFY, allocated to each member as follows:

- Morro Rock MWC: 170 AFY
- PRBWA: 222 AFY
- CSA 10A: 190 AFY
- CCD: 18 AFY

Several wells are also available to CAWO members. The wells are primarily used as emergency back-up sources. Most of the wells extract water from an aquifer that is replenished by recharge from Old Creek and Whale Rock Reservoir. Water drawn from these wells is also limited by the 600 AFY entitlement from the Whale Rock Reservoir. One Morro Rock MWC well draws from Little Cayucos Creek Valley and is not subject to this limitation.

Water Supply – Future: CSA 10A has procured an additional entitlement of 25 AFY through the Nacimiento Water Supply Project. This water will be taken from the Whale Rock Reservoir in an exchange agreement with the City of San Luis Obispo. The agreement allows for up to 90 AFY to be exchanged, which may be a way to address any future needs of the CAWO.

Water Quality. Aluminum has occasionally been found in delivered water at levels that exceed the secondary MCL of 200 ppb. The high aluminum levels are due to residue from the water treatment process. Better control of the treatment process has resulted in lower levels of aluminum in recent water quality tests. Manganese has been found in raw water from the CAWO well at levels that exceed the secondary MCL of 50 ppb. As this well contributes less than 1% of the total supply, manganese is not detectable in delivered water.

Morro Bay WPA 4

City of Morro Bay

Source: *City of Morro Bay 2005 UWMP and 2007 Morro Bay Nitrate Study*

The City of Morro Bay provides water service to over 5,500 connections, including over 10,000 residents, businesses, industrial facilities, and public facilities.

Land Use and Service Population. The City of Morro Bay is located along the central coast of California in San Luis Obispo County. Its coastal location attracts a large number of tourists during the summer and on weekends. The motels, hotels, restaurants, State Parks, and other facilities serving the tourist population add a significant water demand to the local population living primarily in single-family residences.

Existing Population. The population estimate in 2005 was 10,270 according to the Urban Water Management Plan.

Build-out Population. The Urban Water Management Plan uses a build-out population of 12,900, estimated to be achieved in 2028.

Water Demand. Water demand is summarized as follows:

- 2005 Average Day Demand (ADD): 1,620 AFY (1.45 MGD)
- 2005 Per Capita Demand: 141 gpcd, based on “dry year” demand
- Maximum Month Demand: 1.27 times ADD
- Future ADD: 2,040 AFY (1.82 MGD.)

Water Supply - Existing. The City has multiple sources of potable water. Two groundwater basins, the Chorro and the Morro, were used exclusively prior to the City’s connection to the State Water Project. The City also operates a desalination plant and has mutual aid agreements with the California Men’s Colony and the Whale Rock Commission for emergency supply.

The groundwater basins have encountered several water quality issues, including seawater intrusion, MTBE contamination, and excessive nitrates, forcing the City to reduce extraction from groundwater sources. In addition, the SWRCB permitted allocation allows withdrawals from the Chorro Basin only when surface flows exceed 1.4 cfs. Nevertheless, strategic management of these sources should allow the City to reliably extract 581 AFY from the Morro Basin and 566 AFY from the Chorro wells, for a total of 1,147 AFY, even in dry years.

The City contracts with the District for 1,313 AFY of State Water. The City also has a Drought Buffer Water Agreement with the District for 2,290 AFY that will allow the City to receive its full 1,313 AFY allocation when the SWP can deliver at least 36.5% of contracted allocations (see SWP discussion). The City has been noted as being potentially interested in an additional 750 AFY of State Water and 1,500 AFY of Drought Buffer, should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09).

The SWP shuts down for annual maintenance activities each fall/winter during which the City has used its alternative supplies. In 2008, the SWP shutdown took place when groundwater quality issues were limiting the City’s use of well water. The shortfall was made up for through an agreement with the California Men’s Colony to provide the City with water during that period.

The desalination plant was constructed in 1993 as a secondary supply during a drought. It has been used intermittently since that time, but raw water quality problems have limited its use.

Water Supply – Future: Plans to modernize the desalination plant should restore capacity to 645 AFY. Future needs could be met by doubling plant capacity.

The jointly operated Morro Bay - Cayucos Sanitary District Wastewater Treatment Plant is slated for a major upgrade in 2014. Production of tertiary effluent will be provided, and thus will provide increased opportunity for future water recycling to augment water supplies.

Water Conservation. Since the early 1990s, the City has implemented a rigorous water conservation program to promote more efficient use of existing water resources. Elements of the conservation program include:

- Progressively tiered water rate structure
- Creation of a developer funded low-flow toilet retrofit program
- Adoption of multi-level drought response program with increasing limits on irrigation and non-essential uses of potable water
- Promotion of many of the Water Conservation BMPs to be pursued by all contractors of the State Water Project, including an ongoing rebate program for homeowner installation of water-efficient appliances.

The program has had a significant impact, reducing average per capita water demand from 154 to about 129 gpcd (141 gpcd in dry years) or 8 to 16%. As noted in the City's 2005 sewer collection system Master Plan Update, flows in 2005 were lower than in 1986, even with a 10% increase in population.

The City is a member of Partners in Water Conservation

Water Quality. As mentioned above, groundwater quality issues are an ongoing concern, but the City's ability to obtain water from multiple sources and to blend them as needed to meet State Drinking Water Standards has lessened the concerns that water quality issues could hamper the City from meeting future water demands.

Chorro Valley Water System (California Men's Colony, Camp San Luis Obispo, Cuesta College, County Operations Center/Office of Education)

Source: *2003 Chorro Water Study and personal communication with CMC Plant Manager*

The California Men's Colony (CMC) is a state prison located on Highway 1 west of San Luis Obispo. The CMC operates its own water supply, treatment and distribution system for inmates and staff. CMC also wheels water to Camp San Luis Obispo (a National Guard campus), Cuesta College, County Operations Center (includes Fleet Services, Water Quality Lab, Juvenile Detention Center, County Jail, Office of Emergency Services), and County Office of Education. This system is also known as the Chorro Valley Water System.

Service Population. The CMC water system serves an inmate and staff population of 8,456. No expansion of this service population is planned, though a reduction in staff and inmate population is currently being considered by the legislature. Other population summaries include:

- Cuesta College. The College can service up to 6,500 students; however, on any given day, it is estimated that student/faculty population is around 1,500.

- Camp San Luis Obispo: Total population/employees on Base was not available.

Water Demand Summaries. The following summarizes demands for California Men's Colony, Camp San Luis Obispo, Cuesta College and County Operations Center/Office of Education (SLO Co). Other minor water demands for the fire station, Achievement House and Foster Ranch (6.22 AFY in total) are excluded from the individual summaries below, but are included in the overall summary.

California Men's Colony:
- 2008 Average Day Demand (ADD): 1,135 AFY (1.0 mgd)
- 2008 Per Capita Demand: 120 gpcd (based on current population)
- Maximum Month Demand: 100.3 AF (1.05 mgd)
- Future ADD (2025): Estimated to remain constant at 1,135 AFY

Camp San Luis Obispo:
- 2008 Average Day Demand (ADD): 138 AFY (0.12 mgd)
- 2008 Per Capita Demand: not known
- Maximum Month Demand: 21.8 AF (0.23 mgd)
- Future ADD (2025): Estimated to remain constant at 138 AFY
- NOTE: In review of 2009 water use demands through June 2009, Camp SLO water demands were approximately 30% lower than the same interval for 2008.

Cuesta College:
- 2008 Average Day Demand (ADD): 125 AFY (0.11 mgd)
- 2008 Per Capita Demand: ~75 gpcd (based on average attendance of 1,500 students)
- Maximum Month Demand: 19.2 AF (0.20 mgd)
- Future ADD (2025): Estimated to remain constant at 125 AFY (However Cuesta has been noted as being interested in an additional 10 AFY of State Water should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09))

SLO Co:
- 2008 Average Day Demand (ADD): 94.3 AFY (0.084 mgd)
- 2008 Per Capita Demand: Unknown
- Maximum Month Demand: 9.21 AF (0.097 mgd)
- Future ADD (2025): Estimated to remain constant at 94.3 AFY

Overall Summary:
- 2008 Average Day Demand (ADD): 1,499 AFY (1.34 mgd)
- 2008 Per Capita Demand: Not applicable
- Maximum Month Demand: 128.5 AF (1.35 mgd)
- Future ADD (2025): Estimated to remain constant at 1,499 AFY

Water Supply - Existing. CMC operates a 3.0 MGD water treatment facility at the Chorro Reservoir, and delivers water to Camp SLO, Cuesta College, and SLO Co. CMC, Camp SLO, Cuesta College, and SLO Co receive water from three sources (and a fourth source for emergencies), as follows:

- Chorro Reservoir: located approximately ¾ of a mile northeast of the CMC in the upper Chorro watershed. The reservoir and treatment plant were constructed by the US Army Corps of Engineers to provide water to Camp San Luis Obispo at the beginning of World War II. The net storage capacity of the Chorro Reservoir has decreased since it was constructed due to sedimentation, and is currently about 90 acre-feet, according to recent studies. Camp SLO holds the first 140 AFY entitlement to this surface water; during surplus water years, any excess to the 140 AFY is used by CMC. Flow must be maintained in Chorro Creek downstream of the reservoir for riparian habitat enhancement.
- Whale Rock Reservoir: CMC is one of three owners (Cal Poly and City of SLO are others) holding a partial entitlement to Whale Rock Reservoir. CMC owns an 11.24% share of the reservoir's capacity which allows them to withdraw approximately 420 AFY. Raw lake water is pumped from Whale Rock Reservoir in Cayucos via a 30-inch diameter steel water main to the three owners. CMC's turnout delivers water to the CMC water treatment plant for treatment, prior to delivery.
- State Water. CMC contracts with the District for 400 AFY of State Water. CMC also has a Drought Buffer Water Agreement with the District for 400 AFY that will allow CMC to receive its 400 AFY allocation when the SWP can deliver at least 50% of contracted allocations (see SWP discussion). Cuesta College contracts with the District for 200 AFY of State Water and 200 AFY of Drought Buffer; however, CMC receives 60 AFY of this 200 AFY allocation per agreement for wheeling the water to Cuesta College. SLO Co has a 425 AFY allocation of State Water and a 425 AFY allocation of Drought Buffer; SLO Co never fully utilizes this allocation, so CMC utilizes all of the excess State Water allocation per agreement.
- Groundwater wells. CMC is in the process of rehabilitating one on-site well known as the Honor Farm Well (County Well No. 1). Once rehabilitated, this well water source will be allocated to Camp SLO; however, the water quality is such that it will be conveyed to the CMC water treatment plant, treated, and wheeled back to Camp SLO for use.
- The Salinas Reservoir waterline was extended from the Cuesta Water Tunnel to the Chorro Reservoir as part of the original improvements in World War II. The pipeline has only been used to convey water from the Salinas Reservoir to the Camp twice since construction.

Summary of Agreements. The following summarizes the pertinent water related agreements between the various agencies:

- CMC/Cuesta College. CMC and Cuesta College entered into Agreement on June 19, 2000, for water supply and wastewater treatment services. The term of this Contract is indefinite. As indicated above, Cuesta College has a 200 AFY SWP allocation; however, CMC at this time utilizes 60 AFY of this allocation. Cuesta's allocation includes 200 AFY drought buffer. Furthermore, in the event State Water is not available, CMC is obligated to supply Cuesta with "replacement" water in an amount equal to Cuesta's allocation of 200 AFY (not including the 60 AFY currently being utilized by CMC).
- CMC/Camp SLO: CMC agrees to process water at no cost to Camp SLO. Camp SLO has first rights to water from County Well No.1. In exchange, Camp SLO provides 25 AFY of Chorro Reservoir entitlement to CMC and CMC has free use of Camp SLO hospital and firing range.
- CMC/SLO Co: SLO Co provides up to 275 AFY from SLO Co's 425 AFY of State Water in exchange for wheeling the remaining 150 AFY. If SLO Co provides less than 275 AF, SLO Co will reimburse CMC for a pro rata share of potable water wheeling and capital

improvement costs to the WWTP. If CMC uses more than 275 AFY from SLO Co, CMC will reimburse SLO Co for variable costs of and excess State Water used. SLO Co will fund any needed improvements to CMC operated facilities if CMC wheels more than 150 AFY. CMC is responsible for measuring deliveries. SLO Co will reimburse CMC for wastewater treatment based on 80% of potable water used or metered Wastewater if meters are installed. Maximum CMC obligation for wastewater treatment is 240 AFY. Agreement is subject to conditions of State Water Supply Agreement. .

- SLO Co/State (CMC and Camp SLO): Allows State to test, develop and pump from SLO Co Well #1. Requires Camp SLO to execute two easements for SLO Co effluent lines. Requires State to develop well before 6/30/10. State to provide SLO Co 25 AFY after well is developed. State and SLO Co share pumped water equally after State uses first 150 AFY. Water provided to SLO Co by CMC to be Whale Rock Water. State may terminate agreement if well production is below 100 AFY or well water quality cannot be used. SLO Co may terminate agreement if State uses water for new non-government purposes.

Water Recycling. The CMC wastewater treatment facility, located southwest of the Cuesta College Campus, treats wastewater from CMC, Camp SLO, Cuesta College, and SLO Co. Currently, the WWTP provides up to 275 AFY of tertiary treated effluent to the Dairy Creek Golf Course, owned and operated by the County of San Luis Obispo. Recylced water is also used to provide a minimum flow of 0.75 cfs in Chorro Creek for riparian habitat enhancement.

Water Supply -Future. The California Department of Corrections/CMC is considering participation in the Nacimiento Water Project. CMC has contacted the District requesting from 200 AFY to 400 AFY of Nacimiento Water for future supply reliability and minor demand increases. Such allocation is available; however, it is uncertain at this time if they will participate due to costs and other factors. CMC has also expressed interest in any State Water that may become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09).

Water Quality. CMC delivers excellent quality drinking water to its customers, from the three surface water supplies (Whale Rock, State Water, and Chorro Reservoir). Water consistently meets all primary drinking water standards, and levels of nitrates are very low (<2.3 mg/L). Total dissolved solids ranged from 357 to 440 mg/L, with an average of 389 mg/L.

Los Osos WPA 5

Community of Los Osos (Los Osos Community Services District, Golden State Water Company, and S&T Mutual Water Company)

Source: *2002 Los Osos CSD Water Master Plan, GSWC files, 2009 CHG groundwater studies, Sea Water Intrusion in the Los Osos Groundwater Basin (presentation to RWQCB), and the ISJ Working Group's May 4, 2010 Los Osos Groundwater Basin Update*

The community of Los Osos lies within the unincorporated coastal area of San Luis Obispo County, just south of the City of Morro Bay. Los Osos is bordered on the northwest by the Morro Bay Estuary (an estuary of national importance) and Morro Bay State Park; to the east by Los Osos Creek and its riparian corridor; and to the south and southwest by the Irish Hills and Montana de Oro State Park. The Los Osos Valley lies to the east of the community.

The community of Los Osos has been subject to a building moratorium since 1988, which has resulted in only limited development in the community since that time. Upon completion of the wastewater project by the County, the moratorium may be lifted (subject to other resource issues such as water supply and habitat conservation) so that development can once again proceed under normal circumstances.

The following three water purveyors serve the community of Los Osos:

- Los Osos Community Services District (Los Osos CSD)
- S & T Mutual Water Company (S&T MWC)
- Golden State Water Company (GSWC)

Land Use and Service Population. Los Osos is an unincorporated community located in San Luis Obispo County, California. Los Osos consists of a mix of residential, commercial, agriculture, and recreational areas. Table 3.5 below, taken from various sources shows existing and future populations/connections in the service areas.

Table 3.5. Population Estimates and Connection Data for Urban Water Purveyors (2002 Los Osos CSD WMP, 2009 RMS and GSWC files)

Purveyor Name	Existing (2008) Population	Build-out Population
Los Osos CSD Water Service Area S&T Mutual Water Co.	8,500 525	9,324 535
	Existing (2006) Connections	**Build-out Connections**
GSWC Service Area	2,648	4,381

Build-out projections for the GSWC service area have been revised in its updated Master Plan prepared in 2007. The revised plan projects that once the building moratorium is lifted, the number of water service connections will increase from 2,648 in 2006 to 4,381 by 2030.

Water Demand. Water demand is summarized in Table 3.6. Existing production is based on average production by purveyor from 2004 to 2008. The 2002 Los Osos CSD Master Plan projections for build-out demand were based on 130 gpcd for Los Osos CSD and 250 gpcd for the S&T MWC service area. Existing demand has averaged 100 and 160 gpcd respectively over the past five years. Based on these lower rates of demand and assuming continued implementation of water conservation practices, the build-out demands are expected to be lower than those presented in the 2002 Los Osos CSD Master Plan. GSWC Master Plan build-out demand projections are based on 4,381 connections at 0.398 AFY/connection.

Table 3.6. Existing Production and Build-Out Water Demand

Water Purveyor	Ex. Production (2004-08)		Build-Out Demand	
	(mgd)	(AFY)	(mgd)	(AFY)
Los Osos CSD	0.85	951	0.93	1,044
S&T MWC	0.084	94	0.086	96
GSWC	0.89	998	1.54	1,730
Total	**1.82**	**2043**	**2.56**	**2,870**

Water Supply - Existing. The sole source of water for the Community of Los Osos has been its groundwater basin. The Los Osos Valley ground water basin under existing conditions, with existing septic systems in place, and assuming no new water development, is estimated to have a yield of 3,200 AFY. This source is shared by the three water purveyors and the many overlying users in the valley. After subtracting 1,100 AFY in agricultural irrigation, private domestic use and golf course irrigation, the purveyors have available for their use an estimated 2,100 AFY of sustainable safe yield.

Water Supply – Future. Through the development of a Basin Management Plan, it is the goal, among others, of the ISJ Working Group, to "provide for a continuously updated hydrologic assessment of the Basin, its water resources and safe yield." The ISJ Working Group will be evaluating and identifying the management strategies to implement, in coordination with the County's wastewater project, in order to improve conditions in the Basin. Strategies under consideration include additional conservation, well relocation, use of shallow wells, nitrate removal, brackish water desalination, rainwater harvesting and graywater systems.

Water Conservation. The County Planning Department has implemented an indoor retrofit-upon-sale program as an action identified as a result of the Board certifying a Level of Severity III for the Basin. A mandatory fixture replacement program, which is a part of the wastewater treatment facility project, will replace all toilets and urinals in the wastewater service area (also known as the "Prohibition Zone") with low-flow devices, which is estimated to ultimately reduce overall water consumption by 20 to 25% with similar savings in wastewater flows. The objective of wastewater project's required water conservation program is to reduce indoor water use to 50 gallons per capita day within the wastewater service area.

GSWC promotes conservation by providing free water conservation kits to all customers. Their outreach program is highlighted by an educational series explaining the "Five Golden Rules" for water conservation, a series of video vignettes that explain simple ways that consumers can conserve water at home. GSWC also has a full-time Water Use Efficiency Manager and is a member of the California Urban Water Conservation Council (CUWCC).

Los Osos CSD is a member of Partners in Water Conservation.

Water Quality. Over the past three decades, Los Osos groundwater has been the focus of a number of studies. The main water quality concerns in the basin are nitrate and sea water intrusion. Excessive levels of nitrate in upper levels of the groundwater system have been attributed to the high density of individual septic systems. The RWQCB placed a development

moratorium on the community until a centralized wastewater treatment plant could be built. As these individual systems are replaced with a centralized wastewater treatment system, it is expected that nitrate levels in groundwater will decrease over the next few decades. In the meantime, purveyors have reduced pumping from the upper (contaminated) aquifer and have drawn increasing amounts from lower aquifers to deliver water suitable for drinking. Seawater intrusion, however, continues to be a growing concern, with the average horizontal rate of intrusion between 2005 and 2010, based on the 250 mg/l isochlor, being 700 feet per year.

SOUTH COAST SUBREGION

This section describes water supply, water demand, and water quality for Water Planning Areas 6 to 9:

- San Luis Obispo/Avila WPA 6: City of San Luis Obispo (includes County Airport), Cal Poly SLO, CSA 12 (includes Port San Luis), Avila Beach Community Services District, and Avila Valley (Avila Valley MWC and San Miguelito MWC).
- South Coast WPA 7: Golden State Water Company (Edna Valley), Northern Cities Management Area (City of Pismo Beach, City of Arroyo Grande, City of Grover Beach, and Oceano Community Services District),, Nipomo Mesa Management Area (Golden State Water Company - Nipomo, Nipomo CSD, , Rural Water Company, Woodlands MWC, and Conoco Phillips)
- Huasna Valley WPA 8
- Cuyama Valley WPA 9: Cuyama CSD

San Luis Obispo/Avila WPA 6

City of San Luis Obispo (including County Airport)

Source: *2005 City of SLO UWMP, 2009 Water Resources Status Report and 2010 General Plan Update, Chapter 8*

The City of San Luis Obispo is located in a coastal valley approximately 10 miles inland from the Pacific Ocean. The local Mediterranean climate provides for mild and dry summers and cool winters, with an annual average of about 23 inches of precipitation. Historically, the City has been the sole water purveyor within the City limits. This allowed the City to maintain uniformity of water service and distribution standards, and to be consistent in developing and implementing water policy. The City also serves the County Regional Airport and Cal Poly. Since Cal Poly has its own allocation of water from the Whale Rock Reservoir and has water resources that do not pass through the City treatment plant, the University is discussed separately.

Land Use and Service Population. The City has a 1% residential growth cap which assists in projecting future annual water needs. The current General Plan estimates that the build-out population for the City will be approximately 57,200 people.

Existing (2010) Population: 44,948

Build-out Population: 57,200

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 6,375 AFY (5.69 MGD)
- 2000-09 Running Average Per Capita Demand: 123.2 gpcd
- Build-out Demand used for planning: 123.2 gpcd
- Build-out ADD: 7,894 AFY (7.05 MGD)

Cal Poly demand figures are not included in the above.

Water Supply - Existing. The City of San Luis Obispo currently receives water from four sources, Salinas Reservoir (Santa Margarita Lake), Whale Rock Reservoir, local groundwater, and recycled water from the Water Reclamation Facility. The City has depended on imported supplies from Salinas Reservoir, located near the community of Santa Margarita, since 1944 and Whale Rock Reservoir, located near the community of Cayucos, since 1961. With the onset of the drought in 1986, resulting in decreasing surface water supplies, the City activated its groundwater sources in 1989. The City currently uses a small amount of groundwater (~2% of total) for potable purposes, but does not count groundwater yield in its water supply portfolio. Even though the estimated safe yield of the basin is 2,000 AFY, nitrate and PCE contamination and drought make groundwater a less than reliable source.

The Whale Rock Reservoir provides water to the City of San Luis Obispo, California Polytechnic State University, and the California Men's Colony as well as the town of Cayucos. The City staff work closely with staff from the other entities relative to water planning issues.

The safe yield from the Salinas and Whale Rock reservoirs was 6940 AFY in 2010, but diminishes approximately 10 AFY due to siltation.

Recycled Water Program. The City of San Luis Obispo's Water Reclamation Facility (WRF) currently receives approximately 4.5 mgd (5,040 AFY) wastewater flows. The WRF provides tertiary treated effluent to an extensive recycled water distribution system that delivers recycled water to a number of customers in the southern area of the City, including Damon Garcia Sports Park, Laguna Golf Course, Laguna Middle School, Laguna Lake Park, and commercial centers such as Irish Hills Plaza. Currently, recycled water irrigation demand is 130 AFY, and the City anticipates customer demands to expand by 10 AFY to an anticipated maximum of 1,000 AFY. The City must also maintain stream flow to San Luis Obispo Creek, at a minimum average daily flow of 2.5 cfs (1.6 mgd, or 1,800 AFY). Effluent total dissolved solids (TDS) quality of the recycled water is approximately 900 mg/L.

Water Supply – Future: Future water sources include:

- The Nacimiento Water Project, scheduled to go online in 2010, will supply up to 3,380 AFY to the City of SLO.
- The City's Water Reuse Project will deliver up to 1,000 AFY of recycled water for irrigation and other approved uses. The tertiary recycled water produced by the City of San Luis Obispo is suitable for most uses other than swimming and drinking.

The City accounts for its water supplies by designating a portion of what is available for primary supply, reliability reserve and secondary supply, primary being the average supply needed to meet build-out needs; reliability reserve being a 20% buffer for future unforeseen or unpredictable long-term impacts to the City's available water resources such as loss of yield from an existing water supply source and impacts due to climate change; and secondary being

the additional amount needed to supplement the primary and reliability supply to meet needs during short-term water supply shortages or peak demands.

Water Conservation: In June 1985, the City Council adopted the Annual Water Operational Plan policy which established a procedure to monitor the City's water supply situation on an annual basis. An integral component of the policy was the establishment of a water demand management or conservation program aimed at instituting corrective measures ahead of any projected water supply deficit to maintain a dependable supply during critically dry periods. Water demand management has played an ever increasing role in the overall water supply development and management strategies since 1985. In 1990, the City adopted a multi-source water policy in an attempt to solve both short term water shortages and meet the City's long term water needs. The importance of the implemented water efficiency programs has become even more apparent because of the difficulty in developing new water supply projects. Water conservation is now being viewed more as a water supply alternative.

The goal of the City's water conservation program is to make efficient use of its water resources to protect both short- and long-term water supply reliability by implementing water-efficiency programs which are consistent with accepted best management practices and comply with any State-mandated water use reductions, and mandatory water conservation measures when the City's water supplies are projected to last three years or less.

The City is a member of Partners in Water Conservation and the CUWCC.

Water Quality. Surface water from both reservoirs is considered to be of high quality. Groundwater quality has been generally good, but PCE contamination and occasional spikes in the nitrate content of well water has caused the City to provide additional treatment for individual wells or to take certain wells out of production.

Cal Poly San Luis Obispo

Source: *2007 Cal Poly Master Plan and EIR*

Cal Poly is located to the north of the City of San Luis Obispo. The university receives water from the City water system. Though it does not treat its own water, available supply is governed by entitlements from surface water sources.

Land Use and Service Population. Cal Poly occupies 1,321 acres with a campus core of 155 acres. The university also owns ranches and other outlying properties comprising an additional 8,357 acres. Water demand includes extensive agricultural and landscape irrigation requirements. The supply and demand discussion below applies to the 1,321-acre campus area.

2008 Population

- Students: 19,471
- Faculty 1,293
- Staff: 1,752
- Total: 22,516

Build-out Population
Approx Total : 23,100

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 1,040 AFY (0.93 MGD)
- The existing demand is based on actual consumption figures
- Build-out ADD: 1,557 AFY (1.39 MGD). This figure is from the Master Plan which uses 1999-2000 consumption rates as a worst-case water demand scenario. Conservation practices over the past decade and into the future will likely reduce build-out demand.

Water Supply - Existing. Cal Poly derives its water from groundwater sources and through surface water entitlements. For general use, the University owns entitlement to 33.7% of the storage capacity in Whale Rock Reservoir or approximately 13,707 acre-feet when the reservoir is full.

Cal Poly's portion of the safe yield from the reservoir is calculated as 1,384 AFY, but diminishes approximately 2 AFY due to siltation. However, their allotment is based on volume and not on a flow rate, so Cal Poly is not bound by this limit. The safe yield from groundwater is undocumented, but no decline in groundwater reserves have been noticed.

The City treats and delivers approximately 600 AFY to Cal Poly. The remainder is untreated water primarily used for agriculture and landscape irrigation, drawn directly from the Whale Rock raw water pipeline or from agricultural wells.

Water Supply – Future. Future demands for domestic needs will be met by increasing the proportion of Whale Rock water treated by the City. Agricultural needs could be met in various ways, including increasing irrigation efficiency, withdrawing land from cultivation, using more groundwater, and other management practices.

Water Quality. Surface water from Whale Rock is considered to be of high quality. Groundwater quality has been generally good, though increases in nitrate levels have been measured in groundwater flowing through the aquifer as it passes under the Cal Poly campus.

Avila Beach Community Services District

Source: *2006 Draft Water Master Plan*

The Avila Beach Community Services District (Avila Beach CSD) supplies its customers with domestic water service, wastewater service and fire protection, among other services.

Land Use and Service Population. Avila Beach is an unincorporated community located in San Luis Obispo County, California. Avila Beach consists of a mix of residential, commercial, agriculture, and recreational areas. The table below, taken from the draft 2006 Avila Beach CSD Water Master Plan, shows existing and future populations of the service areas.

Table 3.7. Population Summary

Description	Existing Population (1998)[2]	Existing Population (2006)	Build-out Population[3]
Residential Total	395	240	672[1]

Notes:
1. Based on an occupancy rate of 2.0 for residential developments (Table 2-2).
2. This existing population decreased since the UNOCAL cleanup of Avila Beach began in late 1998 and ended mid 2000.
3. The actual year is difficult to predict but based on the rate of development it is anticipated in about ten years.

Water Demand. Water demand is summarized as follows:

- 2006 Average Day Demand (ADD): 51 AFY (0.0455 MGD)
- 2006 Per Capita Demand: 190 gpcd
- Updated 2008 ADD: (provide if available)
- Maximum Day Demand: 2.0 times ADD
- Future ADD: 150 AFY (0.133 MGD.)

Water Supply. The water supply for the Avila Beach CSD is contracted through County Service Area 12 (CSA 12), and consists of both Lopez Reservoir and State Water allocations. Table 3.8 (Table 4-1 from the draft 2006 WMP) provides a summary of water supply allocations for Avila Beach CSD.

Table 3.8. Summary of Water Supply Allocations for Avila Beach CSD

Allocation, AFY			Supply Need, AFY		
Lopez Lake Reservoir	State Water	Total	Existing	Future	
				Excluding Tank Farm	Including Tank Farm
68[1]	100[1]	168	51[2]	150	170[2]

Notes:
1. District information
2. Future demand + Projected Tank Farm Development

Water Quality. Water quality for both Lopez Lake and State Water treated sources meets both primary and secondary standards for drinking water, though regular monitoring of the treatment process is necessary to make appropriate adjustments to account for seasonal changes in the quality of Lopez Lake water.

Avila Valley Mutual Water Company

Source: *2008 Avila Valley MWC Consumer Confidence Report and personal communication with Avila Valley MWC Director Jerry Hartzell*

Avila Valley Mutual Water Company (Avila Valley MWC) serves a small cluster of homes in the Avila Valley area. The service area is fully built out.

Existing and Build-out Population: 65 (28 connections)

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 32 AFY (28,000 gpd)
- Build-out ADD: 32 AFY (28,000 gpd)

Water Supply. Avila Valley MWC receives its water supply from surface sources. The Avila Valley MWC contracts with the District for a 20 AFY allocation of State Water and 60 AFY of Drought Buffer which is wheeled through Zone 3 facilities. An additional 12 AFY allocation of Lopez Lake water procured from CSA 12 brings the total supply to 32 AFY. Two wells are also owned by the Avila Valley MWC for emergency backup purposes, but because quality is less than desirable, they are not used on a regular basis.

Avila Valley MWC has been noted as being interested in an additional 20 to 40 AFY of State Water should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09).

Water Quality: The quality of Avila Valley MWC water is similar to others using water from Lopez Lake. Raw well water is of poor quality and would only be treated and used as an emergency backup in case of disruption of the surface supply.

San Miguelito Mutual Water Company

Source: *2008 San Miguelito MWC Consumer Confidence Report and personal communication with Director Rick Koon*

San Miguelito Mutual Water Company (San Miguelito MWC) serves the San Luis Bay Estates area in the community of Avila Beach.

2008 Population Served: 1385 (620 connections)
Build-out Population: Estimated at 2100 (930 connections)

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 263 AFY (0.24 MGD)
- Build-out ADD: 393 AFY (0.35 MGD.) (based on 70/30 supply goal discussed below)

Water Supply. San Miguelito MWC receives its water supply from both surface and groundwater sources. The San Miguelito MWC contracts with the District for a 275 AFY allocation of State Water and 275 AFY of Drought Buffer which is wheeled through Zone 3 facilities. Additional water is pumped from three local wells which draw water from the aquifer fed by San Luis Obispo Creek.

The San Miguelito MWC's goal is to provide consumers with a 70/30 blend of surface/well water, but problems with the well system have limited its contribution to 10 to 20% in recent years.

With a fully functioning water supply system, the San Miguelito MWC has adequate supply to meet both existing and future water requirements. San Miguelito MWC has been noted as being interested in an additional 10 AFY of State Water should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09).

Water Quality. Quality of San Miguelito MWC water is similar to others using water from Lopez Lake. Raw well water is treated for iron and manganese removal and mixed with Lopez Lake water prior to delivery.

County Service Area 12 (including Port San Luis)

Source: *2005 Zone 3 UWMP*

County Service Area 12 (CSA 12) provides 61 AFY of Lopez Reservoir water to customers in the rural area east of Avila Beach and transfers up to 100 AFY of Lopez Reservoir water through its piping system to Port San Luis. The Port currently uses only 35% (35 AFY) of that allocation. In addition, CSA 12 transfers water through its piping system to Avila Beach CSD, Avila Valley MWC, and San Miguelito MWC (discussed separately).

Water supplies for CSA 12 also include 7 AFY from the State Water Project allocated to the San Luis Coastal Unified School District. Entities within CSA 12 have been noted as being interested in an additional 30 AFY of State Water should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09).

South Coast WPA 7

Golden State Water Company (Edna Valley)

Source: *GSWC files*

Golden State Water Company (GSWC) supplies its Edna Valley customers with domestic water service.

Land Use and Service Population. Golden State's Edna Road service area is an unincorporated area located in San Luis Obispo County, California along Highway 227 to the south of the City of San Luis Obispo, not far from the County Airport. The Edna Road area is comprised of residential and agriculture areas and dominated by the San Luis Obispo Country Club, which includes an 18-hole golf course.

Water Demand. Existing demand has been calculated by multiplying the 9 year average demand per connection by the number of active service connections. This results in an existing demand of 410 AFY for year 2007.

- 2007 Average Day Demand (ADD): 410 AFY (0.366 MGD)
- 2007 and Build-out Per Connection Demand: 0.683 AFY/connection
- Build-out ADD: (Year 2030): 482 AFY based on 712 connections and an annual growth rate of 0.71%

Water Supply. The GSWC Edna Road service area draws water from three wells, each with 500 gpm pumping capacity. The wells tap the Edna Valley groundwater basin.

Water Quality. The Edna Road System groundwater sources currently comply with all primary and secondary MCLs; however, treatment is required. Lewis Lane Wells No.3 and No.4 are treated for high iron and manganese by oxidation and subsequent filtration, as well as

partial treatment for intermittently high selenium by ion exchange (IX). Nitrate and arsenic are also present in all three wells, but average less than one half the MCL, and are removed along with selenium in the IX unit.

Northern Cities Management Area (NCMA)

City of Pismo Beach

Source: *2004 City of Pismo Beach Water Master Plan, 2005 City of Pismo Beach UWMP, 2008 and 2009 NCMA Annual Reports*

The City of Pismo Beach supplies its customers with domestic water service and fire protection.

Land Use and Service Population. The City of Pismo Beach is located in the southern portion of San Luis Obispo County, extending along the Pacific Ocean shoreline some seven miles. The dominant economic activity in Pismo Beach is tourism, and as a result the population of the City can more than double during summer holidays.

2004 Conditions: Population: 8,551

Build-out Conditions: Population: 11,122

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 2,208 AFY (1.97 MGD)
- 2009 ADD: 2,039 AFY (1.82 MGD)
- 2004 residential demand: 161 gpcd
- Build-out ADD: 2,977 AFY (2.66 MGD.) at 0.68 AFY/acre (includes land within the SOI)

Water Supply- Existing. The City receives water from three water sources: local groundwater, Lopez Reservoir and the State Water Project. These sources are described below:

- 700 AFY local groundwater is extracted from the Arroyo Grande Plain, which is part of the Santa Maria Groundwater Basin. Extraction rights are shared by agreement with the City of Arroyo Grande, the City of Grover Beach, and the Oceano Community Services District. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be decreased at a future date.
- 896 AFY from the Zone 3 Lopez Project is provided as a contractual supply to the City of Pismo Beach. Environmental protection issues may call for increased releases to Lopez Creek, thereby reducing the allotment available for Pismo Beach and other cities.
- 1,240 AFY comes from the SWP via contract with the District and delivery through Zone 3 facilities. 140 AFY of this contracted amount has been allocated for Pismo Ranch. The City also has a 1,240 AFY Drought Buffer allocation.

Water Supply – Future. Future water supply possibilities include the use of the Pismo Ranch allocation, tertiary treatment/reuse of wastewater, desalination, and extraction and treatment of groundwater from local basins. The City, in coordination with the NCMA, is also investigating the feasibility of increasing the safe yield of Lopez Reservoir. At this point, the use of the Pismo Ranch allocation has been deemed to be a cost-effective alternative. The City is in the process

of initiating a supplemental recycled water study as a joint project with the City of Arroyo Grande. The City has been noted as being interested in an additional 500 AFY of State Water and 1500 AFY of Drought Buffer should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09).

Water Quality. For the City of Pismo Beach, the most significant water quality issue is the formation of disinfection-by-products (DBP) in the treatment process, specifically trihalomethanes (THMs). THMs are a group of compounds formed during disinfection by the reaction of chlorine with naturally occurring organics. While the City has consistently met the current 80 micrograms-per-liter limits, there have been occasional instances in which the standard has been exceeded due to the high organic content of Lopez Reservoir water during certain times of the year. The new regulations require increased chlorine contact times, which will cause the THM levels to exceed the regulations.

Also of concern are nitrate levels in storage tanks. Due to the use of ammonia and chlorine to form chloramines, it is possible for nitrification to occur in the tanks where there is not adequate turnover. The City staff continually monitors the distribution system and storage detention times to assure adequate turnover. This ensures good quality water

Groundwater is typically calcium bicarbonate-sulfate in character, based on data from 1992-2000, with a median TDS value of 765 mg/l. Nitrates are low for the two wells used by the City. Well No.5 exceeded Primary Drinking Water Standards for uranium in the most recent CCR, but through appropriate mixing with water from other sources, the City has been able to deliver water that meets drinking water standards over the past decade.

City of Arroyo Grande

Source: *2005 City of Arroyo Grande UWMP and 2008 and 2009 NCMA Annual Report*

The City of Arroyo Grande supplies its customers with domestic water service and fire protection.

Land Use and Service Population. The City of Arroyo Grande is located in the southern portion of San Luis Obispo County along the banks of the Arroyo Grande Creek. Land use is primarily residential and agriculture with a small commercial sector. There are no agricultural or industrial water service connections.

2005 Conditions: Service Population: 16,637

Build-out Conditions (2025): Population: 20,224

Water Demand. Water demand is summarized as follows:

- 2005 Average Day Demand (ADD): 3,415 AFY (3.05 MGD)
- 2008 ADD: 3,531 AFY (3.15 MGD)
- 2009 ADD: 3,315 AFY (2.96 MGD)
- 2005 gross demand: 183 gpcd
- Build-out ADD: 4,150 AFY (3.71 MGD.)

Water Supply - Existing. The City has agreements in place to draw up to 3,794 AFY from four water sources: two groundwater basins, Lopez Reservoir and through Oceano CSD. These sources are described below:

- 1,314 AFY is the City's share of groundwater extracted from the Arroyo Grande Plain, which is part of the Santa Maria Groundwater Basin. Extraction rights are shared by agreement with the City of Pismo Beach, the City of Grover Beach, and the Oceano Community Services District. This includes a 112 AFY allocation from an Agricultural Land Conversion Credit. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be decreased at a future date.
- 90 AFY groundwater is extracted from the Pismo Formation which is outside of the NCMA and not subject to management agreements.
- 2,290 AFY from the Zone 3 Lopez Project is provided as a contractual supply to the City of Arroyo Grande. Environmental protection issues may call for increased releases to Lopez Creek, thereby reducing the allotment available for Arroyo Grande and other cities.
- 100 AFY from Oceano Community Services District (Oceano CSD). The City of Arroyo Grande and Oceano CSD have entered into an interim water supply agreement, for delivery of up to 100 AFY of Oceano CSD water to the City. The City is currently using between 90% and 95% of their current supply allocation, and therefore is in need of temporary provisions to meet water supply needs. Oceano CSD will deliver up to 100 AFY of groundwater and/or State Water, at Oceano CSD's discretion. This temporary agreement ends in 2014.

Water Supply – Future. Future water supply possibilities include desalination, recycled water and State Water. Arroyo Grande has been noted as being interested in 200 to 400 AFY of State Water should it become available (Additional/New Allocation Requests – Planning Purposes Only, 10/22/09). Extension of the Nacimiento pipeline project was considered; however, the project was not deemed financially viable.

Water Quality. Lopez Lake water has seasonal quality fluctuations that must be addressed by adjusting treatment methods.

Groundwater quality varies by depth and source, with some of the shallower wells drawing water with high nitrate levels. Water extracted from the Pismo Formation receives iron/manganese treatment prior to delivery. Through appropriate mixing the City has been able to deliver water that meets drinking water standards.

City of Grover Beach

Source: *2005 City of Grover Beach UWMP, 2008 and 2009 NCMA Annual Reports, Draft 2010 Water Master Plan*

The City of Grover Beach supplies its customers with domestic water service and fire protection.

Land Use and Service Population. The City of Grover Beach has a Mediterranean coastal climate with mild and dry summers, cool winters and an annual average of 16 inches of precipitation. During the summer months, fog helps reduce irrigation requirements by decreasing evapotranspiration. Grover Beach is primarily a residential community, with a small commercial/industrial sector. Approximately 80% of the water consumers are residents. No

agricultural consumers are served by the City water system, though landscape irrigation consumes approximately 90 AFY.

2009 Population: 13,254.

Build-out Population: Future build-out population, based on zoning and land use designations within the City boundary, is estimated at 15,000. It is expected to reach this level by 2030.

Water Demand. Water demand is summarized as follows:

- 2005 Average Day Demand (ADD): 2036 AFY (1.88 MGD)
- 2008 ADD: 2030 AFY
- 2009 ADD: 1940 AFY
- 2009 Per Capita Demand: 131 gpcd
- 17-year Average Per Capita Demand: 138 gpcd
- Future ADD at Build-out: 1,892 - 2,500 AFY (1.69 - 2.23 MGD) (20% level of conservation for the lower end of the range)

Water Supply. The City of Grover Beach receives water from Lopez Lake and also uses groundwater from four municipal wells and one irrigation pump. The description of these sources follows:

- 800 AFY Lopez Lake:
  The Zone 3 Lopez Project provides a contractual supply of up to 800 AFY to the City of Grover Beach, which is currently part of the safe yield of Lopez Lake. Environmental protection issues may call for increased releases to Lopez Creek, thereby reducing the allotment available for Grover Beach and other cities.
- 1,407 AFY Groundwater:
  Three shallow wells draw water from the Paso Robles formation and a fourth well draws water from the deeper Careaga formation. Extraction rights are shared by agreement with the City of Arroyo Grande, the City of Pismo Beach, and the Oceano Community Services District. The City of Grover Beach is currently entitled to 1,407 AFY from this source per the agreement. This includes a 207 AFY allocation from an Agricultural Land Conversion Credit. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be decreased for both of these allocations at a future date.
- 225 AFY Non-potable Groundwater
  The 225 AFY pumped from irrigation wells is used on the State Parks Department golf course and a large park within the City.

The City had a temporary transfer agreement with the Oceano CSD that allowed the City to purchase up to 100 AFY, but this agreement has expired.

Water Supply – Future: Potential future water supply sources under consideration include desalination, State Water and recycled wastewater. Extension of the Nacimiento pipeline project was considered; however, the project was not deemed financially viable.

Water Quality: Lopez Lake water has seasonal quality fluctuations that must be addressed by adjusting treatment methods. The ground water from the Paso Robles formation meets all state and federal standards except for nitrate concentration. The City of Grover Beach

completed construction of an ion exchange water treatment plant designed to remove nitrates from the shallow well water in 1989. This allows the City to use its shallow well water to produce water straight into the water mains after it passes through the treatment plant and a chlorination station.

Oceano Community Services District

Source: *2009 Oceano Community Services District Draft Water Master Plan Update and 2008 and 2009 NCMA Annual Reports*

Formed in November 1980, the Oceano Community Services District (Oceano CSD) took over several responsibilities of the County and now provides water, street lighting, sewage collection, garbage collection, fire protection and basic life support services, and parks and recreation services. The County still maintains responsibility for roads, drainage, land use planning, and general services. The service area has not changed since 1980 and encompasses approximately 1,150 acres with elevations ranging from sea level to 110 ft.

Land Use and Service Area Population. The Oceano CSD service area is located immediately to the south of Grover Beach and Arroyo Grande with the Pacific Ocean to the West in the County of San Luis Obispo. Oceano CSD includes over 450 acres of land zoned residential, 59 acres commercial, 40 acres industrial, 94 acres agricultural, and 99 acres zoned public facility.

Existing Population: Existing population (as of July 2009) within the Oceano CSD service area was based on evaluation of water and sewer connections, prior master plans (Garing & Taylor, 2004), and County data. Current population is estimated at 8,137.

Build-out Population: Future build-out population, based on zoning and land use designations within the CSD boundary, is estimated at 12,855.

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 934 AFY (0.83 MGD)
- 2009 ADD: 885 AFY (0.79 MGD)
- 2008 Per Capita Demand: 97 gpcd
- Future ADD at Build-out: 1,419 AFY (1.27 MGD)
- Maximum Month Demand: 1.7 times ADD

Water Supply. The Oceano CSD utilizes water from three sources, including groundwater, the State Water Project and Lopez Lake water. A breakdown of the Oceano CSD's allocations is as follows:

- 900 AFY groundwater allocation, limited to this amount by agreement with the City of Arroyo Grande, the City of Pismo Beach, and the City of Grover Beach. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be decreased at a future date.
- 303 AFY allocation from Lopez Lake, subject to possible reduction if habitat requirements dictate.
- 750 AFY from the State Water Project, but subject to limitations (see SWP

discussion).

- 1,953 AFY Total

Based on an evaluation of water supply reliability, based on 66% availability of State Water due to drought and/or environmental restrictions, the reliable State water supply is estimated at 495 AFY, for a total water supply for Oceano of 1,698 AFY. Participation in the District's drought buffer program for State Water would improve water supply reliability for the Oceano CSD.

The City of Arroyo Grande and Oceano CSD have entered into an interim water supply agreement, for delivery of up to 100 AFY of Oceano CSD water to the City. As indicated in the discussion on Arroyo Grande, the City is currently using between 90% and 95% of their current supply allocation, and therefore is in need of temporary provisions to meet water supply needs. Oceano CSD will deliver up to 100 AFY of groundwater and/or State Water, at Oceano CSD's discretion. This temporary agreement ends in 2014.

Water Quality. In reviewing the CCR for 2008, the Oceano CSD continues to meet all Federal and State Drinking Water Standards. Selenium levels continue to be high, from two of their existing wells (Wells 4 and 5); however, with blending of the various other water sources, the drinking water standard continues to be met.

The selenium concentrations in Wells 4 and 5 have appeared to increase since the 2004 G&T WMP Report. However, interestingly, the recent results also show a fairly clear trend of diminishing selenium concentrations over the past year. It is uncertain what may be the reason for the decline this past year; possibly the current drought conditions may have some effect on the selenium concentrations in the groundwater. Regardless, the concentrations of selenium remain above the MCL of 50 ug/L, and must continue to be monitored and blended with other water supplies to achieve the MCL requirements.

Nipomo Mesa Management Area (NMMA)

Golden State Water Company (Nipomo Area)

Source: *GSWC files, 2005 Santa Maria Groundwater Litigation Stipulation and 2008 and 2009 NMMA Annual Report*

The Golden State Water Company (GSWC) provides water service to approximately 1,475 households on the south side of Nipomo.

Land Use and Service Population. GSWC serves a rural population that is undergoing development and is expected to grow at a projected rate of 1.42 percent over the next two decades until build out (2030).

Water Demand. Water demand has been calculated based on historical use data. Existing and future water service areas and demands are summarized as follows:

Current Conditions

- 2007 Water service connections: 1,495
- 2007 9-year Average Water Consumption: 0.94 AFY/connection
- 2007 Average Day Demand (ADD): 1,405 AFY (1.25 MGD)

- 2008 ADD: 1,380 AFY (per 2008 NMMA Annual Report)
- 2009 ADD: 1,290 AFY (per 2008 NMMA Annual Report)

Build-out Conditions (2030)

- Water service connections: 2,068
- Average Water Consumption: 0.94 AFY/connection
- Average Day Demand (ADD): 1,944 AFY (1.74 MGD)

Water Supply. GSWC presently uses groundwater for 100% of supply requirements. Groundwater is pumped from the larger Santa Maria Valley Groundwater Basin (SMVGB) using five active wells. Total capacity of this system exceeds current 1,405 AFY requirements; however, litigation involving use of the SMGWB, which began in 1997, has resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. In addition, the stipulated judgment has required GSWC to join with Nipomo CSD to develop alternative sources to import a minimum of 2,500 AFY. Once the supplemental water system is in place, GSWC will be required to purchase 8.33% (208.25 AFY) of that supply.

Water Quality. Water quality is formally monitored as part of the requirements of the NMMA stipulation. Wells are monitored regularly and reported publicly. The 2009 NMMA report has concluded that there is no evidence of seawater intrusion into the the NMMA portion of the groundwater basin. Localized areas of the NMMA have reported nitrate concentrations as high as 90 percent of the Maximum Contaminant Level and rising nitrate concentrations in groundwater. Three of the GSWC wells are currently being treated for iron and manganese.

Nipomo Community Services District

Source: *2007 Nipomo CSD Water and Sewer Master Plan Update, 2008 and 2009 NMMA Annual Reports, and 2009 Nipomo CSD Waterline Intertie Project Narrative Report, 2010 Public Review Draft Urban Water Management Plan (UWMP)*

The town of Nipomo is an unincorporated area located in southern San Luis Obispo County, the first community on Highway 101 entering the county from the south. The Nipomo Community Services District (Nipomo CSD) provides water service and wastewater services to approximately 12,000 residents. The Nipomo CSD is part of the Nipomo Mesa Management Area (NMMA) for management of groundwater resources.

Land Use and Service Population. The Nipomo CSD serves a rural area that is undergoing development. Development is expected to continue to expand in the future, more than doubling water demands at build-out.

Water Demand. Water demand has been calculated based on land-use categories and water duty factors. Existing and future water service areas and demands are summarized as follows:

Current Conditions

- Water Service Connections (2010): 4,128
- Baseline Gross Water Use: 244.8 gallons per capita per day (gpcd) (10 year average 1997-2006)
- 2009 Water Use: 222.7 gpcd

- 2006 Average Day Demand (ADD): 3,000 AFY (2.67 MGD)
- 2008 ADD: 2,700 AFY (per 2008 NMMA Annual Report)
- 2009 ADD: 2,560 AFY (per 2009 NMMA Annual Report)
- 2010 ADD: 2,698 AFY (per 2010 Draft UWMP)

Build-out Conditions (2030)

- Water Service Connections: 5,323
- Future Water Use: 195.8 gpcd
- Average Day Demand (ADD): 2,984 AFY (2.66 MGD) based on conservation goals

Water Supply. Nipomo CSD presently uses groundwater for 100% of supply requirements. Groundwater is pumped from the larger Santa Maria Valley Groundwater Basin (SMVGB) using eight active and one standby wells. Total capacity of this system exceeds current 3000 AFY requirements; however, litigation involving use of the SMVGB, which began in 1997, has resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. The stipulation has also required the Nipomo CSD to develop alternative sources to import a minimum of 2,500 AFY.

Water Supply – Future: The Nipomo CSD has investigated multiple sources of supplemental water and, as a result, signed an agreement with the City of Santa Maria (City) to pursue a Waterline Intertie Project. The January 5, 2010 Wholesale Water Supply Agreement established the basis for purchase and delivery of water from the City to the Nipomo CSD. The project EIR has been certified. The Nipomo Waterline Intertie Project is going through its final design and financing stages. If constructed, it will be capable of delivering up to 3,000 AFY and could be completed in two and a half years. Three other water purveyors, Woodlands MWC, Golden State WC, and Rural Water Company will share in the costs project and will together receive one-third of the mandated minimum water delivery (833 of 2,500 AFY). The additional 500 AFY capacity has been reserved for use by the Nipomo CSD. Additional water via the City (if possible), desalination and recycled water are also being considered as a long term alternative source.

Water Quality. Water quality is formally monitored as part of the requirements of the NMMA stipulation. Wells are monitored regularly and reported publicly. The 2009 NMMA report has concluded that there is no evidence of seawater intrusion into the NMMA portion of the groundwater basin. Localized areas of the NMMA have reported nitrate concentrations as high as 90 percent of the Maximum Contaminant Level and rising nitrate concentrations in groundwater. There is a concern that nitrate levels are increasing in wells near the Southland WWTF. Though studies have not tied this increase to current effluent disposal practices, the WWTF is investigating alternative effluent disposal methods that will enhance groundwater recharge without increasing nitrate levels.

Rural Water Company

Source: *2008 and 2009 NMMA Annual Reports and 2005 Santa Maria Groundwater Litigation Stipulation*

Rural Water Company (RWC) provides water to consumers on the north side of the Nipomo Mesa, including Cypress Ridge, a planned development consisting of approximately 380 homes and a gold course.

Land Use and Service Population. RWC serves a residential community that includes both densely spaced homes and numerous large lot rural residences. It also provides non-potable water to the Cypress Ridge Golf Course to supplement irrigation from recycled wastewater. The golf course is irrigated partially by effluent from the Cypress Ridge Wastewater Treatment Facility (Cypress Ridge WWTF), which in turn uses some of the golf course water features as finishing ponds in the waste treatment process.

Water Demand. Water demand has been calculated based on historical use data. Existing and future water service areas and demands are summarized as follows:

Current Conditions

- Population served: 1850
- 2008 ADD: 900 AFY (per 2008 NMMA Annual Report)
- 2009 ADD: 880 AFY (per 2009 NMMA Annual Report)

Build-out Conditions (2030)

- Water service connections: xxx
- Average Water Consumption: xx AFY/connection
- Average Day Demand (ADD): xxx

Water Supply. RWC presently uses groundwater for 100% of potable water supply requirements. Groundwater is pumped from the larger Santa Maria Valley Groundwater Basin (SMVGB) using several active wells. However, litigation involving use of the SMGVB, which began in 1997, has resulted in stipulations and judgments in 2005 and 2008. As party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. The stipulation has required RWC to join with Nipomo CSD to develop alternative sources to import a minimum of 2,500 AFY. Once the supplemental water system is in place, RWC will be required to purchase 8.33% (208.25 AFY) of that supply.

The Cypress Ridge WWTF currently produces approximately 50 AFY of irrigation quality effluent which is used on the golf course.

Water Quality. Water quality is formally monitored as part of the requirements of the NMMA stipulation. Wells are monitored regularly and reported publicly. The 2009 NMMA report has concluded that there is no evidence of seawater intrusion into the the NMMA portion of the groundwater basin. Localized areas of the NMMA have reported nitrate concentrations as high as 90 percent of the Maximum Contaminant Level and rising nitrate concentrations in groundwater.

Woodlands Mutual Water Company

Source: *2004 Water Master Plan, 2005 Santa Maria Groundwater Litigation Stipulation and 2008 and 2009 NMMA Annual Reports*

The Woodlands is a relatively new housing and commercial development located on the Nipomo Mesa in southern San Luis Obispo County. It is a planned community to be built out in four phases over time, with economic conditions influencing the date of completion. The Woodlands Mutual Water Company (Woodlands MWC) was organized to provide water to customers within the Woodlands Development. The Woodlands MWC currently supplies its

customers with domestic water service, fire protection, wastewater collection, and wastewater reclamation.

Land Use and Service Population. The Woodlands has a tentative map allowing for 1,320 residential units, plus additional commercial facilities. Currently, there are 685 residential lots that have been recorded in final maps. Commercial facilities for the golf course are also constructed at this time. Other facilities that may be constructed in the future include commercial facilities at the business park, a hotel, and a possible school. The planned development also currently has an 18-hole golf course and a smaller 12-hole executive course. The on-site wastewater treatment plant provides the golf courses with recycled water for irrigation; however, it is also supplemented with groundwater. Another 18-hole golf course is also planned for the future, which will be irrigated with groundwater.

Water Demand. Existing and future water service areas and demands are summarized as follows:

Current Conditions

- 2009 ADD: 810 AFY (per 2009 NMMA Annual Report)

Build-out Conditions (2030)

- Average Day Demand (ADD): 1,600 AFY

The Woodlands Development is progressing with its phased development of homes and other planned facilities. Of the 1,320 future dwelling units, 685 parcels have been recorded and are ready for construction. As of September 2009, there are 323 active residential or commercial water service connections. In 2008, Woodlands MWC delivered 402 AFY to customers for commercial, residential, and common area irrigation use. This does not include raw water that was pumped for golf course purposes.

Based on the 2004 Water Master Plan, it is estimated that at build-out, Woodlands MWC will use approximately 872 AFY for all uses except golf course irrigation. When all golf courses are complete, they will require an additional 687.5 AFY. The table below provides a summary of the estimated water usage (excluding golf course irrigation) by land use.

Table 3.9. Summary of Estimated Water usage for The Woodlands

User	Units	Type of Unit	Demand, gpm	Total Usage, gpm (afy)
Residential Single Family	1,220	D.U.	0.3	366.00 (590.4)
Residential Multi-Family	100	D.U.	0.137	13.70 (22.1)
Village: Mixed Use	10.46	acres	1.3	13.60 (21.9)
Resort: Hotel	500	rooms	0.093	46.50 (75.0)
Resort: Mixed Use	23.67	acres	1.3	30.77 (49.6)
Business Park	20.29	acres	1	20.29 (32.7)
Golf Clubhouse	2	facilities	3.97	7.94 (12.8)
School	600	students	0.019	11.40 (18.4)
Maintenance/WWTP	1	lump	4.53	4.53 (7.3)
Parks	16.64	acre	1.55	25.79 (41.6)
Total				**540.48 (871.8)**

Water Supply. Currently, the Woodlands MWC relies on groundwater as the sole source of water. The Woodlands MWC owns and operates four wells, three of which produce potable water and the fourth serves irrigation needs. Groundwater is pumped from the Nipomo Mesa Management Area (NMMA) of the Santa Maria Groundwater Basin, an aquifer that has been the subject of ongoing litigation since 1997. As a party to the Santa Maria Groundwater Basin litigation, extraction rights may be affected at a future date. A 2005 Settlement Stipulation requires that NMMA water purveyors import a minimum of 2,500 acre-feet of supplemental water to the NMMA each year.

Woodlands MWC is cooperating with other water purveyors to meet the requirements of the Stipulation. The Nipomo Community Services District (Nipomo CSD) is serving as lead agency to develop the Waterline Intertie Project (WIP) that will connect the City of Santa Maria water system to the Nipomo CSD system, providing 2,500 AFY to the NMMA and an additional 500 AFY to Nipomo CSD. Woodlands MWC has agreed to purchase a portion of the NMMA supplemental water (determined according to the percentage of completion of the project and rising to a total of 417 AFY at such time as its service area is fully developed). Woodlands MWC has also agreed to pay a portion of the operating costs, capital costs and replacement costs of the project based on the amount of water purchased by Woodlands MWC relative to the total amount purchased from the City of Santa Maria. Woodlands MWC also has the right to exercise an option for an additional 300 AFY from the WIP at a future date.

24 AFY of recycled water was used in 2008 to partially irrigate the golf course. As more residential units are completed, increased quantities of wastewater will be available for recycling. The build-out flow of the WWTP is 774 AFY. Well water will continue to be required during periods in which the recycled water available is less than the golf course demand.

Water Quality. Water quality is formally monitored as part of the Woodlands MWC's participation in the NMMA Technical Group, and also as a requirement of the Department of Public Health. Wells are monitored regularly and reported publicly. . The 2009 NMMA report has concluded that there is no evidence of seawater intrusion into the the NMMA portion of the groundwater basin. Localized areas of the NMMA have reported nitrate concentrations as high as 90 percent of the Maximum Contaminant Level and rising nitrate concentrations in groundwater. The most recent Consumer Confidence Report indicated that Woodlands MWC supplied water that met both primary and secondary drinking water standards. One of the wells exceeds the standards for iron, but mixing with water from other wells produces water that meets the iron standard.

Conoco Phillips

Source: *2008 and 2009 NMMA Annual Reports and 2005 Santa Maria Groundwater Litigation Stipulation*

Conoco Phillips uses water for industrial operations at its refinery on the Nipomo Mesa.

Water Demand. Water demand has decreased in recent years due to infrastructure changes resulting in more water-efficient operations. Planned expansion will increase water demand, but demand will remain less than historical peak pumping rates.

Current Conditions

- 2008 Average Day Demand (ADD): 1,100 AFY (0.98 MGD)
- 2009 ADD: 1,200 AFY (1.07 MGD)

Build-out Conditions

- Average Day Demand (ADD): 1,400 AFY (1.25 MGD)

Water Supply. Conoco Phillips uses groundwater for 100% of supply requirements. Though it is a party to the Santa Maria Groundwater stipulation, it is not required to participate in the development of supplemental water. It has rights to reasonable and beneficial use of groundwater without limitation, except in the event of a Severe Water Shortage, as defined in the stipulation.

Water Quality. Water quality is formally monitored as part of the requirements of the NMMA stipulation. Wells are monitored regularly and reported publicly. The 2009 NMMA report has concluded that there is no evidence of seawater intrusion into the the NMMA portion of the groundwater basin. Localized areas of the NMMA have reported nitrate concentrations as high as 90 percent of the Maximum Contaminant Level and rising nitrate concentrations in groundwater. One of the Conoco Phillips wells reported a high (1000 mg/l) TDS value. The well is used for industrial processing.

Huasna Valley WPA 8

The Huasna Valley WPA has no large water purveyors. Water usage in this WPA is analyzed as overlying use.

Cuyama Valley WPA 9:

Cuyama Community Services District

Source: *2005 Grand Jury Report and SB County 2008 Water Production Survey*

The Cuyama Community Services District (Cuyama CSD) provides water to consumers in and around the community of New Cuyama in Santa Barbara County. Because the Cuyama CSD draws from an aquifer that extends into San Luis Obispo County, a brief discussion of this water purveyor is included.

Land Use and Service Population: The community of New Cuyama was established as a company town by Atlantic-Richfield to provide housing and services for its workers. The water supply system is now owned and operated by the Cuyama CSD, serving approximately 820 residents. There are 217 single family, 15 commercial, and 22 landscape connections.

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 172 AFY (0.15 MGD)
- 2008 Per Capita Demand: 112 gpcd residential, 187.4 gpcd gross
- Future ADD at Build-out: unknown

Water Supply. Cuyama CSD draws all of its supply from wells which tap the Cuyama Valley groundwater basin. The basin as a whole is in a critical stage of overdraft. Efforts to sustainably manage the basin are hampered because the basin underlies four counties.

Water Quality: Because of constant cycling and evaporation of irrigation water in the basin, water quality has been deteriorating. Nitrate concentrations in some shallow wells in the area have exceeded 400 mg/l. Water from one of the principle wells contains arsenic at relatively high levels, often approaching the current arsenic MCL of 50 ppb. A treatment system has been installed to reduce levels of arsenic prior to distribution.

INLAND SUBREGION

This section describes water supply, water demand, and water quality for Water Planning Areas 10 to 16:

- Carrizo Plain WPA 10
- Rafael/Big Spring WPA 11
- Santa Margarita WPA 12: Santa Margarita Ranch and CSA 23 (Santa Margarita)
- Atascadero/Templeton WPA 13: Garden Farms CWD, Templeton CSD and Atascadero Mutual Water Company
- Salinas/Estrella WPA 14: San Miguel CSD, Camp Roberts, City of Paso Robles, and CSA 16 (Shandon)
- Cholame WPA 15
- Nacimiento WPA 16: Oak Shores (Nacimiento Water Company) and Heritage Ranch CSD

Carrizo Plain WPA 10

The Carrizo Plain WPA has no large water purveyors. Water usage in this WPA is analyzed as overlying use. Due to the age of previous water studies for this area, potential demands and groundwater characterization from water studies completed for two proposed solar power projects are included in this discussion. The modeling completed for these two projects analyzes a significant portion of the Carrizo groundwater basin.

Source: John Kessler, California Energy Commission (excerpts from Carrizo Energy Solar Farm); John Larson, URS Corporation (SunPower Project); Tim Cleath, Cleath-Harris Geologist, Inc. (SunPower Project); SunPower - California Valley Solar Ranch Environmental Impact Report (EIR), Topaz Solar Farm (First Solar) Draft Environmental Impact Report.

These two large solar farms are referred to as the Topaz Solar Farm, and the SunPower-California Valley Solar Ranch. These proposed projects are 550 and 250 megawatt solar power plants, respectively. Both projects propose to use photovoltaic technology, which will consume less water than steam-producing plants.

Water Demand. Water demand is summarized as follows:

Topaz Solar Farm (per DEIR):

- Project Construction Average Day Demand (ADD): 199 - 273 AFY for two years (0.18 – 0.24 MGD); 48 – 69 AFY for the third year (0.04 – 0.06 MGD)
- Ongoing Project Operation: 4.5 AFY (0.004 MGD)

Sun Power-California Valley Solar Ranch (per EIR):

- Project Construction Average Day Demand (ADD): 40.84 AFY for three years (0.04 MGD)
- Ongoing Project Operation: up to 9.3 AFY (0.008 MGD)

During operation of the facilities, (long-term) water demand would be required for washing solar panels if needed, potable water for employees, service water for general site uses including irrigation, and fire protection.

Water Supply.

DWR Safe Yield: 600 AFY (based on demand in 1954)
Kemnitzer Safe Yield: 59,000 AFY (based on 1967 inflow/outflow analysis)

Taking into consideration the methodologies used in previous studies, current and historical groundwater levels, and water quality, the solar project EIRs' water analyses conclude that a more reasonable safe yield to base planning decisions on ranges between 8,000 – 11,000 AFY.

Water Quality: Groundwater quality has a wide range of qualities, as noted in the groundwater resources discussion for the Carrizo Plain. Additionally, according to the Sun Power EIR, the results of groundwater quality testing conducted on samples for the proposed Sun Power solar project well indicate TDS content of 4,940 mg/L at the proposed project site. The EIR concludes that the groundwater quality, with treatment (reverse osmosis is proposed), is useable for the proposed project, particularly considering historic land uses of the area and understanding of aquifer characteristics. Similarly, according to the Topaz Farm EIR, the results

of groundwater quality testing conducted on samples for the proposed Topaz Farm solar project well indicate water from the lower aquifer is not suitable for drinking water without treatment and primarily exceed the drinking water standard for nitrate.

Rafael/Big Spring WPA 11

The Rafael/Big Spring WPA has no large water purveyors. Water usage in this WPA is analyzed as overlying use.

Santa Margarita WPA 12

Santa Margarita Ranch

Source: *Santa Margarita Ranch Agricultural Residential Cluster Subdivision Project and Future Development Program EIR*

The Santa Margarita Ranch (Ranch) encompasses approximately 14,000 acres and is located immediately east of U.S. Highway 101, and surrounds the community of Santa Margarita, between the cities of San Luis Obispo and Atascadero.

Land Use and Service Population. The land currently functions as ranch and vineyard with minimal residential water use. Approximately 96% of the water is used by vineyards and other farm operations. An Agricultural Residential Cluster Subdivision (ARCS) is proposed, including 3,778 acres near the middle of the Ranch, southeast of the community of Santa Margarita. A Future Development Program (FDP) is planned in various locations throughout the balance of the property. The proposed ARCS includes 111 large-lot residential units and agricultural reserves. The FDP covers a variety of development types, including 402 residences, a golf course, guest ranch, wineries, and other commercial and recreational facilities.

Water Demand. The existing Ranch water use is estimated at 1,621 AFY based on land use water factors. Planned expansion of orchards and vineyards will increase water use to 4,263 AFY. The EIR states that the ARCS would increase water demand by 161 AFY. Implementation of the FDP would add an additional 1,466 AFY of demand. Based on these values, the total build-out demand is 5,890 AFY.

Water Supply - Existing. Existing Santa Margarita Ranch water demands are supplied entirely by groundwater. The Ranch property is currently served by approximately 27 wells, located primarily along the east side of the Ranch, west of West Pozo Road. Individual well yields typically range between 200 and 400 gallons per minute (gpm) with some wells capable of rates of up to 1,000 gpm.

Environmental water requirements may limit the use of groundwater to meet the needs of expanded agricultural production and eventual residential development. Trout and Rinconada creeks, which are upper tributaries of the Salinas River, are important spawning habitat for steelhead, a federally declared endangered species. The National Marine Fisheries Service (NMFS) has previously received complaints that the creeks have allegedly been dewatered as a result of vineyard development on Ranch property.

Water Supply – Future: Supplemental water supply options for Santa Margarita Ranch are State Water and Nacimiento water.

Water Quality. TDS concentrations in wells in the area are relatively high. Nitrates have measured concentrations below the maximum contaminant level (MCL) of 45 mg/l. Total coliform, fecal coliform, and Escherichia coli data have been found to be suggestive, although not conclusive, of small impacts on both shallow and deep aquifer wells from local wastewater disposal systems.

County Service Area 23

Source: *2003 CSA 23 Water Master Plan, several County staff memos, County Public Works-compiled consumption data and Planning Department land use projections*

County Service Area 23 (CSA 23) consists of the community of Santa Margarita, an unincorporated community in north-central San Luis Obispo County. Santa Margarita has a population of approximately 1,400 and covers an area of approximately 265 acres. CSA 23 supplies the community with water via groundwater wells located in the center and south-eastern corner of the community. The community is completely reliant on groundwater for its supply. Fire service is included in the system.

Land Use and Service Population. In 2009, the CSA served a total of 525 connections, predominantly residential. Future build-out is estimated to be 619 connections.

Water Demand. Water demand is summarized as follows:

- Average Day Demand (ADD) (2005 – 2009): 164 AFY (0.146 MGD)
- Water Duty Factor (2005 – 2009): 265 gpd/residential meter, 305 gpd/commercial meter
- Build-out ADD (2035): 192 AFY (0.171 MGD.)

Water Supply - Existing. CSA 23 receives its water supply from two wells; Well No.3 and No.4. Well No.3 is a deep, fractured-rock well and Well No.4 is a relatively shallow well that pumps from the alluvial deposits of Santa Margarita Creek. Two other wells, No.1 and No.2, are near No.4, but are not built to current health standards, and can only be used in an emergency with a boil water order.

During periods of low seasonal rainfall, water level in the shallow well typically drops, triggering various voluntary conservation methods. Although the community is better than 85% built out according to the current general plan, there is concern that existing groundwater supplies may not be adequate to supply additional residents and that they are inadequate during periods of less then normal rainfall. There is also the concern that the reliance on essentially a single supply source (groundwater) may be placing the community in a tenuous public health and safety position.

Water Supply – Future: The 2003 Master Plan recommended securing an additional 100 AFY of reliable supply. Based on community input, concerns over cost and need, CSA 23 is currently investigating several options to secure an additional source of water to be used only during a drought or other emergency. These include State Water, Lake Nacimiento water or

additional groundwater wells. Any one of these sources could potentially supply water demand at build-out given the community's support.

Water Quality. CSA 23 has been able to deliver water that meets State Drinking Water Standards, but consumer feedback indicates that the well water that serves the community is hard, stains fixtures and creates challenges in the laundry room. However, a consumer survey in 2004 indicated that less than 30% of the respondents would support procurement of additional water sources to improve the aesthetic quality of the delivered supply.

Atascadero/Templeton WPA 13

Garden Farms Community Water District

Source: *Garden Farms CWD Well logs and 2007 CCR*

The Garden Farms Community Water District (Garden Farms CWD) provides water to consumers in and around the unincorporated community of Garden Farms, located along the old El Camino Real between Santa Margarita and Atascadero. Garden Farms is a small residential community of 240 residents with 113 water service connections. Besides two small commercial establishments, all connections are residential.

Water Demand: Demand has fluctuated between 48 and 93 AFY over the past four years. The service area is fully built out.

Water Supply: Garden Farms CWD draws all of its supply from three wells (though the third well is rarely used) which tap the Atascadero Groundwater Subbasin. The basin is not adjudicated. Water levels have dropped several feet in the past year, likely due to the ongoing drought in the region.

Water Quality: Groundwater quality is typical for the subbasin, with no contaminants exceeding the primary drinking water standards. High levels of manganese (70 ppb reported in 2007) have been detected, but do not currently exceed the secondary drinking water standard of 50 ppb.

Templeton Community Services District

Source: *2005 Templeton CSD Water System Master Plan Update, 2010 Paso Robles Groundwater Basin Water Balance Review and Update*

The Templeton Community Services District (Templeton CSD) supplies its customers with domestic water service, wastewater service, and fire protection, among other services.

Land Use and Service Area Population. Templeton is an unincorporated community located in San Luis Obispo County, California along Highway 101 between the City of Paso Robles and City of Atascadero. Templeton consists of a mix of residential, commercial, agriculture, and recreational areas. The Templeton area has a number of homes on larger lots, and thus exhibits a relatively large per capita water demand as a result. Population projections described below are quoted from the November 2005 Water System Master Plan Update Report. It should be noted that the population projections are based on only those areas served by, and within, the Templeton CSD service area boundary. Thus, there will likely be

discrepancies between these projections and those provided by the County or 2000 Census data.

Existing Population: Existing population (as of November 2005) within the Urban Reserve Line (URL) was based on the residential water connections plus the difference in the URL and the Templeton CSD boundary and the additional residences within the Templeton CSD that use personal on-site wells, resulting in a 2005 service area population of 6,417 persons.

Build-out Population: Based on the 2005 estimated population of 6,417 persons determined by the Templeton CSD's water service connections, plus 2,180 persons from the commercial mixed-use component, and an additional 900 persons from the residential component, the Templeton CSD's estimated build-out population (within its existing service area boundary) is 9,497 persons.

Water Demand. Water demand is summarized as follows:

- 2005 Average Day Demand (ADD): 1,682 AFY (1.50 MGD)
- 2005 Per Capita Demand: 234 gpcd
- Maximum Month Demand: 1.6 times ADD
- Build-out ADD: 2,260 AFY (2.02 MGD.)
- Build-out ADD (2025): 2,239 AFY (1,989 AFY Groundwater and 250 AFY Nacimiento Water)

Water Supply- Exisiting. The Templeton CSD depends on water from eleven wells that extract water from two groundwater sources: the Paso Robles Formation and the Salinas River Underflow. Nine of the eleven wells that extract water from the Paso Robles Formation are extracting from the Atascadero Groundwater Subbasin.

The Templeton CSD currently is permitted to extract 500 AFY from the Salinas River Underflow between October 1 and April 1. There are two wells that tap this aquifer, though only one, the Smith Well, is in service. The Templeton CSD may request from CDPH an extended permit to continue to pump from the river wells through May 15 if sufficient water is available and flowing during that time.

An additional source of water for the Templeton CSD comes from their re-use program with disposal of treated wastewater effluent from the Meadowbrook WWTP percolation ponds. This program allows the Templeton CSD to percolate treated effluent into the groundwater basin/Salinas River underflow and subsequently extract the same amount of water 28 months later. According to the 2005 Water Master Plan, wastewater flow to the Meadowbrook WWTP at that time was 148,000 gpd (165 AFY) with 30 AF being used to irrigate an alfalfa field. Therefore the Templeton CSD at that time had been withdrawing approximately an additional 135 AFY from the Salinas River allocation. Additional water extracted from the remaining two wells on the Salinas River accounted for approximately 649 AFY in 2005.

According to the 2005 Water Master Plan, the Templeton CSD's summer demand at that time was approximately 1,165 AFY. Because the Templeton CSD's available allocations during the summer are 1,710 AF, Templeton CSD was considered to have adequate supply to meet the current 2005 summer demand. Winter 2004/2005 demand for the Templeton CSD was estimated at 715 AF; however winter supply allocation only added up to 566 AF plus minimal water from the Paso Robles GB. Therefore, during the winter months the Templeton CSD was limited on water allocations.

Table 3.10 (Table 4-3 from the 2005 Water Master Plan) summarizes the existing water supply and allocations for Templeton CSD.

Table 3.10. Summary of Existing Water Supplies for Templeton CSD

		Summer Allocation 4/1 – 9/30	**Winter Allocation 10/1 – 3/31**	**Total Allocation**
Paso Robles Formation		--	--	1,700/1,550 AFY[1, 2] Safe Yield
Salinas River				
	Templeton CSD Allocation	--	500 AFY	500 AFY
	Riparian Rights	No increase to water supply	No increase to water supply	No increase to water supply
	Greer Riparian Rights	0.26 cfs 94 AF	--	94 AFY
	Re-Use Program	66 AF[3]	66 AF[3]	132 AFY
Total Allocation from all sources				2276 AFY

[1] 1,700 is the Safe Yield for all users of the Templeton Sub-Unit. Private well owners utilize approximately 150 AFY, leaving 1,550 AFY for Templeton CSD

[2] The Templeton CSD can extract water from the Paso Robles Formation any time during the year, however, the Templeton CSD extracts the majority of the water during the summer months when the main river water allocation is not available. The Paso Robles Formation is only used during the winter to help meet peak demands that the Smith Well is unable to meet.

[3] Allocation based on the existing wastewater demand minus the irrigated effluent minus 2 percent water loss.

Water Supply – Future: Future water supply for the Templeton CSD will likely come from the Nacimiento Water Project (NWP), which is currently under construction. The Templeton CSD is under contract to receive 250 AFY from the NWP. Templeton CSD plans to receive raw water from the NWP and percolate this water into the Salinas River underflow, in a similar manner that they percolate effluent from the Meadowbrook WWTP percolation ponds (Selby Pond site). This 250 AFY of percolated NWP water will then be extracted from the Templeton CSD's downstream potable water well field. In addition, the Templeton CSD may be making future provisions to divert additional wastewater flows to the Meadowbrook WWTP (which currently flow to the City of Paso Robles WWTP) in order to recycle additional treated effluent from the Salinas River underflow, increasing available water for extraction by as much as 458 AFY. These future water supply provisions are referenced in the 2005 Water Master Plan, and are included as recommendations for future water supply. In addition, the 2005 Water Master Plan recommended that Templeton CSD consider additional water supply wells (such as the McCoy well) to further enhance their ability to meet summer demand conditions. It is believed that this well has in fact been completed in recent years.

Table 3.11 summarizes future water supply sources for Templeton CSD.

Table 3.11. Future Water Supply Sources for Templeton CSD

Future Water Source	Allocation (AFY)
Nacimiento Water Supply	250
Re-Use Program (Existing Distribution System)	115
Re-Use Program (Future Diversion of WW Flows)	343
McCoy Well	--
Total	708

Water Quality. Based on the 2005 Water Master Plan, and review of current CCRs, the Templeton CSD's water supply to its customers meets all water quality standards. In general, the river wells have lower total dissolved solid levels than the Atascadero Groundwater Basin; however, all of the wells are below the upper limits of the drinking water standard of 1,000 mg/L. The Templeton CSD's overall aggregate TDS quality to its customers, as reported in the 2004 CCR, was 653 mg/L. This is based on how the Templeton CSD distributes and blends the various water supplies to its customers.

Atascadero Mutual Water Company

Source: *2005 Atascadero MWC UMWP and Draft 2009 Master Water Plan*

The Atascadero Mutual Water Company (Atascadero MWC) of San Luis Obispo County is a corporation organized under the laws of California for the purpose of providing water service to property owners, known as the shareholders, within a geographical service area. Atascadero MWC supplies its customers with domestic water service and fire protection.

Land Use and Service Population. The City of Atascadero is a community located in San Luis Obispo County, California along Highway 101 between the City of Paso Robles and City of San Luis Obispo. The City was originally subdivided as a colony in 1914 when the colony boundary was established. Atascadero MWC was established around this time and still retains its original form. The entire water system is the property of Atascadero MWC and is mutually owned by owners of the colony lots. Atascadero was incorporated as a City in 1979. The City of Atascadero now consists of a mix of residential, commercial, agriculture, and recreational areas. Atascadero MWC's service boundary operates within the colony boundary. Within this colony boundary are the Atascadero city limits and some of the unincorporated areas of the community such as the Eagle Ranch Property, the West San Marcos Development, and the area south of Santa Rosa Road known as the Random Oaks area.

Eagle Ranch, a large proposed development on the southwest side of the City, is only partially within Atascadero MWC's service area boundary. Atascadero MWC will serve the existing portion of the development within its boundary and another small portion proposed for inclusion. Adequate water supply for all of Eagle Ranch has yet to be confirmed.

Existing Population: In 2008, the Atascadero MWC served a population of 30,595 with 10,505 service connections.

Build-out Population: The Atascadero MWC projects a 2030 population of 37,436.

Water Demand. Water demand is summarized as follows:

- 2008 Average Day Demand (ADD): 6,565 AFY (5.86 MGD)
- 2008 Per Capita Demand: 192 gpcd

According to Atascadero MWC records and demand forecasts, average annual per capita demand has fluctuated in the range of 188 to 213 over the past decade, with lower water use possibly linked to mandatory conservation measures. It is anticipated that water conservation programs will cause lower per capita demands to become the rule rather than the exception. A per capita demand of 199 gpcd is used to estimate a future peak demand of 7,600 AFY in 2019 with a population of 34,016. Thereafter, conservation measures are predicted to more than compensate for population growth, resulting in a build-out demand of 7,511 AFY in 2030 for a population of 37,436.

- Peak Future ADD: 7,600 AFY (6.79 MGD) based on a population of 34,016 in 2019

Water Supply - Existing**.** The Atascadero MWC's water source is the groundwater found in the Atascadero sub-basin of the Paso Robles Groundwater Basin (PRGB) and underflow of the Salinas River. Water is pumped from 17 active wells with two additional wells on standby status. The PRGB is not currently adjudicated. Atascadero MWC derives approximately 42% of its supply from the PRGB with the remainder coming from the Salinas River underflow. Atascadero MWC has rights to 3,372 AFY from the Salinas River underflow. As the Salinas River underflow is more sensitive to rainfall, during dry years the proportionate withdrawal from the deeper PRGB has increased.

The current water supply system is under stress due to the ongoing drought. During the spring of 2009, the Atascadero MWC issued a stage 2 water shortage condition alert when reserve production capacity fell to less than 10% of the maximum day demand. Stage 2 mandatory conservation measures include a ban on daytime landscape watering, required alternate irrigation schedules, and a prohibition of irrigation runoff.

Water Supply - Future. The Atascadero MWC is a major partner of the Nacimiento Water Project, having contracted for a 2,000 AFY allotment of this future supply. The water will be used to recharge the groundwater table in the vicinity of the deep wells which pump from the Atascadero sub-basin. The water can then be treated in the same manner as the existing source of supply. The Atascadero MWC is also exploring the expansion of its current well fields.

Water Conservation: Atascadero MWC continues to aggressively promote water conservation, as it has since 1993. Atascadero MWC's program has reduced per capita indoor water use and the use of potable water for landscape irrigation. Atascadero MWC provides educational resources on its website, in its offices, and in periodic brochures included with water bills. Atascadero MWC made a further commitment to conservation in 1997, signing an MOU with the California Urban Conservation Council and continues to implement and meet the goals of Best Management Practices for Water Conservation including

- Conservation Rate Structure (i.e. Tier Water Rates)
- Turf conversion rebates
- Lawn aeration rebates

- Sprinkler nozzle replacement rebates
- Irrigation controller rain sensor rebates
- Weather based irrigation controller and soil moisture sensor rebates
- Rainwater harvesting system rebates
- High efficiency clothes washing machine rebates
- High efficiency toilet rebates
- School education programs
- Free seminars on water conserving landscape design and plant selection
- Free landscape/home water surveys
- Annual Water-Conserving Landscape awards

Atascadero MWC is a member of the California Urban Water Conservation Council, Groundwater Guardian Program, Alliance for Water Efficiency, Water Education Foundation, and SLO County Partners in Water Conservation.

Water Quality. Atascadero MWC's water supply to its customers meets all primary and secondary water quality standards.

Salinas/Estrella WPA 14

San Miguel Community Services District

Source: *2002 San Miguel CSD Water Master Plan*

The San Miguel CSD supplies its customers with domestic water service and fire protection, among other services.

Land Use and Service Population. The unincorporated Community of San Miguel is one of 6 urban areas within the County of San Luis Obispo Salinas River Planning Area Plan. According to the 2002 Water Master Plan, the current population within the San Miguel CSD boundary was approximately 1,500 and is expected to increase to 3,742 at build-out (2040) within the existing CSD boundary.

The San Miguel CSD Service Area covers approximately 1,530 acres. The land use zones are Residential Single Family (RSF), Residential Multi-Family (RMF), Residential Suburban (RS), Office/Professional (OP), Commercial Service (CS), Commercial Retail (CR), Recreation (REC), Public Facility (PF), Agriculture (AG), Residential Rural (RR), and Industrial (IND).

Water Demand. Water demand is summarized as follows:

- 2001 Average Day Demand (ADD): 235 AFY (0.21 MGD)
- 2001 Per Capita Demand: 139 gpcd.
- Future ADD at Build-out: 582 AFY (0.52 MGD)
- Maximum Month Demand: 1.5 times ADD

Water Supply. The water supply for the San Miguel CSD is obtained solely from groundwater pumping of the Paso Robles Formation. There are three wells within the CSD; the

two primary wells (Well No. 3 and Well No. 4) are located in the Main Zone. Well No. 5, a smaller well is located in the San Lawrence Terrace (SLT) Zone. The SLT well historically exhibited high nitrate levels and has since been removed from service. However, in 2007, the District replaced Well 5 with a new well in the same location, but installed deeper (approximately 800 feet). After water quality testing confirmed this well met all potable water standards, it was placed in service, but since has experienced occasional high nitrate concentrations and possibly high arsenic concentrations. This new well is temporarily out of service while District further evaluates this well. The two active wells in the main zone combined, historically produced an average of 247 AFY (average for 1999 and 2000), as summarized in Table 3.12 (Table 4 from the 2002 Water Master Plan). The wells have a combined well pumping capacity of 1000 gpm; 600 gpm at Well No. 4 and 400 gpm at Well No. 3.

Table 3.12. Summary of Well Capacity and Production

Well	Capacity[1], gpm	Historical Production[2], AFY	Maximum Production[3], AFY
Well No. 3	400	110	323
Well No. 4	600	137	484
Total	**1000**	**247**	**807**

Notes: 1. Well capacity refers to the maximum pumping rating of the well
2. Historical Production is the average amount of water the wells produced in 1999 and 2000
3. Maximum production is the amount of water the wells could produce if run 12 hours per day 365 days per year

Water Quality. The presence of gross alpha emitters approaching the MCL in the San Miguel water supply is of growing concern. The presence of gross alpha emitters is from naturally occurring decay of Uranium-238 and Thorium-232. The two main zone wells operated by the San Miguel CSD have shown increasing levels of gross alpha particles through the years, although the average is currently below the proposed MCL. Several of these samples indicate gross alpha levels in exceedence of the proposed MCL of 15 pCi/L. Well No. 4 gross alpha levels have an average of about 12 pCi/L as of October 2000; however, there are 5 recorded instances when the proposed MCL was exceeded in the previous 5 years. The uranium levels at Well No. 4 are below the proposed MCL and show a decreasing trend, with an average of about 10 mg/L. Well No. 3 gross alpha levels have an average of about 15 pCi/L as of October 2000; however, the proposed MCL was exceeded 7 times in the previous 8 years. Uranium levels at Well No. 3 show an increasing trend, with an average of about 12 mg/L. All of the uranium results have remained below the proposed MCL of 20 mg/L.

As indicated earlier, the new well on the San Lawrence Terrace, drilled to a depth of approximately 800 feet (screened from approximately 300 feet to 800 feet elevation), has exhibited occasional high nitrate levels and possibly high arsenic levels. Information is very preliminary at this time, and it is unclear if this well will be able to produce potable water without any wellhead treatment.

Camp Roberts

Source: *San Miguel CSD/Camp Roberts Water System Consolidation Study, 2002*

Camp Roberts is operated by the California Army National Guard, and covers approximately 42,784 acres. Camp Roberts, located north of the community of San Miguel, is situated in both San Luis Obispo and Monterey Counties.

Land Use and Service Population. When fully mobilized the base supports 8,500 people. In the event of a nuclear disaster at Diablo Canyon Nuclear Power Plant, Camp Roberts is an evacuation and staging area for about 23,000 residents within San Luis Obispo County. No growth is expected for Camp Roberts; however, based on the above discussion, water demand and temporary service population can vary widely. Base population can be a combination of on-base personnel and civilian personnel that do not live on Base.

Water Demand. For Camp Roberts, the existing ADD was determined to be 0.17 mgd, based on a review of water production records for the year 2001. Current 2008/2009 water demand was not readily available at the time of this memorandum; however, updated information will be provided if available.

- 2001 Average Day Demand (ADD): 190 AFY (0.17 MGD)
- 2001 Per Capita Demand: Unknown
- Future ADD at Build-out: 190 AFY (0.17 MGD)
- Maximum Month Demand: 1.4 times ADD

Water Supply. Camp Roberts water supply is from groundwater pumping, with three active wells. Combined well capacity is 947 AFY (based on pumping 12 hours per day, 365 days per yeaer). Pumping rates range from 225 to 500 gpm per well.

Water Quality. TDS and arsenic levels in the groundwater are marginal. According to 2001 reports, Base water supply TDS is 900 mg/L. Also, the arsenic levels in 2001 were noted to be 9.6 ug/L, just below the MCL of 10 ug/L.

City of Paso Robles

Source: *2005 City of Paso Robles UWMP and correspondence from Christopher Alakel*

The City of Paso Robles is located in northern San Luis Obispo County (North County), on the eastern, inland side of the Santa Lucia Mountains. Paso Robles is situated on the upper Salinas River, which flows north toward Monterey County. Incorporated in 1889, the City of El Paso de Robles (Paso Robles) now encompasses a total area of 11,985 acres on both sides of the Salinas River. Other communities in the vicinity of Paso Robles include Templeton, the City of Atascadero, Santa Margarita, and San Miguel. The City also is situated on the western margin of the Paso Robles Groundwater Basin, which is the water-bearing portion of the upper Salinas River drainage area.

Land Use and Service Population. The first major commercial activity in the North County was cattle grazing, followed by development of almond groves and most recently, extensive planting of vineyards. In addition to its agricultural base, Paso Robles also has a long history as a resort, based primarily on development of the local hot springs. Paso Robles remains the major service center for ranching and agriculture in the North County, particularly areas to the east along Highway 46. The City proper is a mix of residential, commercial and industrial land uses, with significant areas devoted to parks and open space. Paso Robles, with

a 2005 population of 27,361, is a growing community that could attain a population of 44,000 at build-out.

Existing (2005) Connections are summarized as follows:

- Single Family Residential: 8,100
- Multi-Family Residential: 1,600
- Commercial: 632
- Industrial 63
- Parks, Landscape, etc. 325
- TOTAL 10,720

Build-out Connections are summarized as follows:

- Single Family Residential: 13,400
- Multi-Family Residential: 9,300
- Commercial: 2,146
- Industrial 214
- Parks, Landscape, etc. 500
- TOTAL 25,560

Water Demand. Current demand is based on actual consumption while build-out is based on water duty factors summarized as follows:

- 2007 Average Day Demand (ADD): 8,126 AFY (7.26 MGD)
- 2005 gross water use: 220 gpcd
- 2005 Water Duty Factors:
  - Single family residential: 0.5 AFY (446 gpd/meter)
  - Multi-family residential: 0.4 AFY (357 gpd/meter)
  - Commercial/industrial: 1.5 AFY (1338 gpd/meter)
  - Irrigation/other 2.6 AFY (2319 gpd/meter)

- Build-out ADD (2025): 13,500 AFY (12.05 MGD)

Water Supply. The City of Paso Robles has historically relied upon local water supplies from the Salinas River underflow and from the Paso Robles Formation (PRF) for its municipal water supply.

Salinas River underflow refers to shallow subterranean flows in direct connection with the Salinas River. This underflow is subject to appropriative water rights and permitting by the State Water Resources Control Board (SWRCB). An approved SWRCB application allows the City to extract up to eight cfs (3,590 gpm) with a maximum extraction of 4,600 AFY (January 1 to December 31).

The deeper PRF currently contributes 2,856 AFY to City supply. The City plans to maintain this extraction rate in the future.

The City participates in the Paso Robles Groundwater Basin Agreement with San Luis Obispo County Flood Control and Water Conservation District (District), CSA 16 – Shandon, San Miguel CSD and approximately 20 landowners, who have organized as the Paso Robles

Imperiled Overlying Rights (PRIOR) group. Key elements of the Agreement are a clear acknowledgement that the PRGWB is not in overdraft now, and that the parties will not take court action to establish any priority of groundwater rights over another party as long as the Agreement is in effect. In addition, the parties agree to participate in a meaningful way in groundwater management activities, and to develop a plan for monitoring groundwater conditions in the PRGWB.

Water Supply – Future: To assure its water supply into the future, the City will purchase water from the Nacimiento Water Project, which is projected to deliver 4,000 AFY of raw water. The City is progressing with its plans for a water treatment plant; the City's Capital Improvement Program includes design of the water treatment plant beginning in 2007, construction starting in 2009, and startup of the plant in 2010 to coincide with first availability of Nacimiento water. The City will have the option of increasing its allotment of Nacimiento water to 8,000 as demand increases.

Another supply alternative being pursued by the City is the use of recycled wastewater. The City owns its own wastewater treatment plant which currently provides secondary treatment. Several alternatives have been studied to upgrade treatment to the tertiary level, and it is assumed that one of these alternatives will eventually be pursued. 5,000 AFY of wastewater could ultimately be treated, but 944 AFY would only be needed to meet build-out demand. This margin of safety serves as a backup source in case of limitations on any of the other sources of supply.

Water Conservation: The City has implemented a number of permanent mandatory water conservation measures that are in force throughout the water service area. They include mandatory recycling or recirculation of water for car washes, cooling systems, and decorative fountains and several other practices designed to curb water waste.

The City has targeted landscape irrigation as the water use practice with the highest potential for water conservation. Educational resources are available on the City website, in City offices, and in periodic brochures included with water bills. The City also sponsors a school education program that includes water conservation as a key component.

The City is a member of Partners in Water Conservation.

Water Quality. In general, City water quality is good, but has relatively high TDS and hardness. In response to the hardness, many residents use home water softeners. However, use of water softeners results in addition of salts to the City's wastewater, which is treated and discharged to the groundwater basin and/or Salinas River. This is one factor in locally increasing TDS and chloride in groundwater. This situation may be improved in the future with the introduction of Lake Nacimiento water into the City's potable water supply. Lake Nacimiento water is lower in hardness and TDS than groundwater, and reduces the need for water softeners.

With regard to regional groundwater quality, the Estrella subarea of the Paso Robles Groundwater Basin, which includes most of the City, is characterized locally by increasing TDS, chloride and nitrate concentrations. These adverse water quality trends are unlikely to affect City water supply in the near future, given that groundwater currently provided by the City meets all drinking water standards and the increases in TDS, chloride and nitrate are localized. Nonetheless, salt loading to the groundwater basin is an important long-term concern. Recognizing that City wastewater disposal is one source of salt loading, the City has made the

reduction of salt loading one of their water resource goals. Major means to reduce salt in City wastewater include planned use of high-quality Lake Nacimiento supply, reduced use of home water softeners, strategic use of wells with lower salt concentrations, and implementation of an industrial waste discharge ordinance.

County Service Area 16 (Shandon)

Source: *2004 CSA 16 Water Master Plan, plus written updates provided by Jay Johnson, County of San Luis Obispo.*

County Service Area No.16 (CSA 16) was formed in 1972 to furnish potable water to customers in the Shandon area. Narrative and data are based on the 2004 Water System Master Plan.

Land Use and Service Population. CSA 16 provides water service to 284 residential customers, 11 public authorities, and one business. The Urban Reserve Line encompasses areas outside of the existing service boundary, so the future size and composition of the customer base will likely change. Within the existing community of Shandon, build-out service is expected to reach up to 547 service connections. However, the Shandon Community Plan is being updated that could result in a total of 2,200 residential connections and over 50 commercial and public authority service connections. The projected population is approximately 8,125. The Community Plan Update is expected to be completed by the end of calendar year, 2010.

Water Demand. Water demand is summarized as follows:

- 2004 Average Day Demand (ADD): 147 AFY (0.131 MGD)
- Build-out ADD : 271 AFY (0.242 MGD) (excludes pending Community Plan Update; Build-out of the Community Plan would result in an ADD of 1,100 AFY (1.0 MGD)

Water Supply. The current source of supply for the community of Shandon is groundwater from the Paso Robles Basin. Two wells provide all the current needs of the community and the groundwater supply is deemed sufficient to meet water needs at build-out in the current service area. Additional well(s) and storage will be needed to meet peak demand requirements for build-out.

CSA 16 has no supplemental water source, but does have an allocation of 100 AFY from the State Water Project. Because of the high cost to develop this supply and the lack of need at the time, in 1995, the Board of Supervisors approved offering their 100 AFY allocation for sale to other entities in the County. Since that time, only 15 AF of the 100 AFY has been secured via a transfer option agreement. This agreement expired in 2009 without the transfer taken.

Water Quality. The water in Shandon meets all Federal and State drinking water requirements and overall can be considered very good water. However, Shandon's water is considered to be hard, with an average concentration of 190 parts per million. Non-salt generating systems are recommended for individuals who want to use a water softener.

Cholame WPA 15

The Cholame WPA has no large water purveyors. Water usage in this WPA is analyzed as overlying use.

Nacimiento WPA 16:

Oak Shores (Nacimiento Water Company)

The community of Oak Shores, on the banks of Nacimiento Lake, is served by the Nacimiento Water Company (NWC), a public utility with offices in Bradley. NWC currently serves a population of 275 residents with water drawn from the lake which is then treated prior to distribution.

Plans to develop an additional 345 lots as part of Oak Shores Estates are currently on hold.

The water supply allocation for Oak Shores is part of the 1,750 AFY reserved for SLO County residents in the Lake Nacimiento area.

Heritage Ranch Community Services District

Source: *2008 Heritage Ranch Water Master Plan with updates*

The Heritage Ranch Community Services District (Heritage Ranch CSD) was formed in 1990 to oversee water and sewer services for the Heritage Ranch community. It supplies its customers with domestic water service and fire protection, among other services.

Land Use and Service Area Population. Heritage Ranch is an unincorporated community located in San Luis Obispo County, California on the east side of Lake Nacimiento, approximately 15 miles northwest of the City of Paso Robles. Land use at Heritage Ranch consists mostly of residential, recreational, and open space areas with some commercial and public facility areas including a small commercial parcel, fire station, public school, recreational complex, marina, campground, wilderness park, ballpark, church, equestrian center, and storage area for boats and trailers. A community that was originally started as a remote vacation destination with the vast majority of the residents only part-time has now become a bedroom community to neighboring cities with the vast majority of the residents full-time.

Existing Population: As of September 2010, the Heritage Ranch CSD services approximately 1,778 water customers. Based on a density of 2.0 persons per household, this equates to an existing population of approximately 3,556 persons.

Build-out Population: The Adopted Specific Plan for the Heritage Ranch CSD, prepared in 1972 and revised in 1980, limited the total number of developable units to 4,000. In 2004, the maximum number of developable units was revised a second time to its current maximum value of 2,900 units. Residential units within the Heritage Ranch CSD consist of a combination of several housing tracts, custom homes, condominiums, mobile homes, and recreational trailers. Based on the average household size of 2.0 persons per household, it is anticipated that the Heritage Ranch CSD's total build-out population will reach 5,800 persons.

Water Demand. Water demand is summarized as follows:

- 2007 Average Day Demand (ADD): 618.5 AFY (0.552 MGD)
- 2007 Per Capita Demand: 158 gpcd
- 2010 Average Day Demand (ADD): 553 AFY (0.493 MGD)
- 2010 Per Capita Demand: 139 gpcd
- Future ADD: 903 AFY (0.81 MGD)

Water Supply - Existing: The Heritage Ranch CSD only has one water supply source, the Gallery Well, which is fed via three horizontal wells located in the Nacimiento River bed just downstream of the Nacimiento Dam. Typically, the Nacimiento River is fed year-round by the release of water through the upper and/or lower outlet works in the dam at Lake Nacimiento. The release of the water is monitored and controlled by Monterey County Water Resources Agency until the water level of the Lake drops below 687 feet, at which time San Luis Obispo County may obtain control over the lake releases. The water is primarily released to sustain habitat in the river, provide water to farmers in the Salinas Valley, and halt salt water intrusion into the Salinas Valley, in addition to providing a water supply source to the Heritage Ranch CSD. If no water is released from the lake, which has rarely occurred in the past 50 years, the Heritage Ranch CSD will not have a water supply. Even though the water level of Lake Nacimiento has never dropped below the dam outlet, it has come close. The last time this occurred was in October of 1989 where the lake level diminished to within 2 feet above the lower outlet works.

The 1,100 AFY of allocation of Nacimiento Reservoir water designated for use in Heritage Ranch's service area is part of the 1,750 AFY reserved for SLO County residents in the Lake Nacimiento area. It is sufficient to provide water for build-out demand, but the configuration of the delivery system leaves the Heritage Ranch CSD vulnerable to a cut off of its water supply in an extreme drought.

Water Supply - Future: Alternative sources are under consideration, including taking water directly from the lake and connecting to the Nacimiento Pipeline. A possible tie-in with Camp Roberts was explored, but is now considered as not being a feasible option due to the reluctance of Camp Roberts to consider any emergency water supply options.

Water Conservation: Water demands over the last 3 years have decreased due to an increase in water rates and implementation of water conservation programs such as for toilet retrofits and turf conversion.

Water Quality. While the Heritage Ranch CSD's water supply to its customers has historically met all primary water quality standards, it currently exceeds the limits for Disinfection Byproducts (DBP). The treatment plant has been ineffective in removing sufficient natural organic matter to prevent the formation of DBP. The District Board hired a water treatment process engineering consultant and received a report with recommendations on new treatment equipment to better control DBP in September 2010. New equipment/processes include addition of treatment chemicals (Potassium Permanganate and Powdered Activated Carbon) and a new sedimentation basin to prevent the formation of DBP. This equipment/process will also prevent iron and manganese formation in the distribution system. The District applied for $400,000 in State funding to complete these improvements. The project should be bid out, constructed and operational in 2011.

COUNTY-WIDE WATER QUALITY

Water quality varies greatly from agency to agency, within groundwater basins and sub-basins, from each imported or reservoir water supply. Although they vary greatly, they are all required to meet the same primary and secondary drinking water standards established by the California Department of Public Health. As part of the overall review of water quality throughout the County, Table 3.13 summarizes mineral quality (TDS), nitrates, and hardness as it relates to their ability to meet state drinking water standards. The table includes specific remarks relative to individual water quality issues with each purveyor.

Table 3.13 – Summary of County-Wide Water Quality

Sub-Region	WPA	Water Users/ Generators/Sources	Water Quality			Water Supply[a]	Remarks
			TDS, mg/L	Nitrates, mg/L	Hardness, mg/L		
North Coast	San Simeon WPA 1	San Simeon CSD	380	6.9	300	GW	Recharge from Little Pico Creek
		Overlying Users					
	Cambria WPA 2	Cambria CSD	440	1.8	328	GW	
		Overlying Users					
	Cayucos WPA 3	Morro Rock Mutual	See CSA 10A below			SW[b]	
		Paso Robles Beach	See CSA 10A below			SW[b]	
		CSA 10A	370	ND	260	SW[b]	0.34% provided by CAWO well in 2008. Contribution to water quality considered negligible
		Overlying Users					
	Morro Bay WPA 4	City of Morro Bay	357	2.3	120	ST, DS	Brackish water desalination on standby. 85% of City's water supply provided by State Water in 2008.
			598	37.3	522	GW	GW well nitrate levels exceed MCL. 15% of City's water supply provided by well water in 2008.
		CMC	389	2.3	280	SW[f]	CMC supplies water to County Ops/Office of Education, Cuesta College, and Camp SLO.
		County (Ops, Golf Course, Schools)	See CMC above			SW[f]	Dairy Creek Golf Course irrigated with tertiary recycled water from CMC WWTP
		Cuesta College	See CMC above			SW[f]	
		Camp SLO	See CMC above			SW[g]	
		Overlying Users					

Sub-Region	WPA	Water Users/ Generators/Sources	Water Quality			Water Supply[a]	Remarks
			TDS, mg/L	Nitrates, mg/L	Hardness, mg/L		
North Coast (cont.)	Los Osos WPA 5	Golden State Water	450	15	197	GW	Potential seawater intrusion impacts to lower .aquifer; upper aquifer nitrate contamination due to septic tanks, see discussion on Interlocutory Stipulated Judgment (ISJ)
		S&T Mutual				GW	
		Los Osos CSD	511	7.8	227	GW	
		Overlying Uses					
South Coast	San Luis Obispo/ Avila WPA 6	City of San Luis Obispo	380	4.8	No Data	SW[c,d], GW	Extensive tertiary recycled program serving area golf courses, schools and parks can provide up to 1,000 AFY for irrigation. Minimum 1.16mgd daily discharge provided for preservation of environmental habitat in San Luis Obispo Creek. Less than 2% of potable water supply provided by local wells.
		County Airport				SW[c,d], GW	Served by City of San Luis Obispo.
		Cal Poly				SW[c,d], GW	Whale Rock allocation treated by City WTP, and served to Campus.
		San Miguelito MWC				GW, ST	
		CSA 12				ST, SW[e]	
		Avila Valley MWC				ST, SW[e]	
		Port San Luis	See Avila Beach CSD below			ST	
		Avila Beach CSD	357	2.3	120	ST	
		Overlying Users					
	South Coast WPA 7	City of Pismo Beach	450	ND	330	SW[e]	
			357	2.3	120	ST	
			430	ND	290	Delivered	
			710, 820	5.3, ND	50, 450	GW	Well #5, #23 respectively

Sub-Region	WPA	Water Users/ Generators/Sources	Water Quality			Water Supply[a]	Remarks
			TDS, mg/L	Nitrates, mg/L	Hardness, mg/L		
South Coast (cont.)	South Coast WPA 7	City of Arroyo Grande	460	ND	360	SW[e]	Agency is considering seawater desalination or recycled water program to augment future water supply.
			273	ND	101	ST	
			553	23.4	366	GW	
		Oceano CSD	366	ND	230	SW[e], ST	Groundwater selenium levels are high in two wells; blending is used to ensure compliance with MCL.
			680	9	510	GW	
		City of Grover Beach	430	No Data	290	SW[e], ST	Agency is considering seawater desalination or recycled water program to augment future water supply.
			428	11.2	260	GW	
		Halcyon				GW	
		SLO County Dept. of Public Works Lopez Project 2008 Water Quality Report	450	No Data	330	SW	
			430	No Data	290	Combined SW + ST	
		Overlying Users	650	17	490	GW	1995-2000 median values for 25 wells. Nitrate MCL exceeded in 6 of the wells.
		Edna Road/Golden State Water Co.	690	8.8	430	GW	
		PXP				GW	
		Pismo Valley Overlying Users	620	ND	356	GW	1999 median values for 6 wells. TDS MCL exceeded in one of the wells.
		AG Valley Overlying Users	600	4.2	430	GW	1981-87 median values for 5 wells. Nitrate MCL exceeded in 1 well and TDS MCL exceeded in one other well.
South	South Coast WPA 7 (cont.)	SLO Co portion of Santa Maria Valley Overlying Users	1200	3	480	GW	1992-1998 median values of 4 wells in SLO County portion of Santa Maria Valley (2 wells have 11 separate piezometers). TDS MDL exceeded at 3 of the wells. Hardness data from

Sub-Region	WPA	Water Users/ Generators/Sources	Water Quality			Water Supply[a]	Remarks
			TDS, mg/L	Nitrates, mg/L	Hardness, mg/L		
Coast (cont.)							most recent available test (1980s).
	South Coast WPA 7 (cont.)	Nipomo CSD	581	7.6	310	GW	Currently in design of inter-tie pipeline to convey potable water from City of Santa Maria to Nipomo CSD.
		Golden State Water Co.	451	16	213	GW	
		Rural Water Company				GW	
		Woodlands	393	10.5	303	GW	Three GW wells on-site provide supply.
		Conoco Phillips				GW	
		Overlying Users	500	10	220	GW	1990-2000 median values for 35 wells.
	Huasna WPA 8	Overlying Users					Private well data not published for public use.
	Cuyama WPA 9	Cuyama CSD				GW	
		Overlying Users					Private well data not published for public use.
Inland	Carrizo Plain WPA 10	Overlying Users					
	Rafael/ Big Spring WPA 11	Overlying Users					
	Santa Margarita WPA 12	Santa Margarita Ranch				GW	Not in use; allocated for future residential development
		CSA 23	360, 390	ND, 7.5	160, 290	GW	Well #3, #4 respectively
	Atascadero/ Templeton WPA 13	Garden Farms					
		Atascadero Mutual Water Company	665	6.9	346	GW, SW[b]	Nacimiento water will be percolated into the local groundwater and extracted for use, starting 2010.
Inland (cont.)	Atascadero/ Templeton WPA 13	Templeton CSD	755	9.7	455	GW, SW[b]	Percolated wastewater effluent from Meadowbrook WWTP to underflow of Salinas River is “reclaimed” by downstream potable water supply wells. Nacimiento water will be

Sub-Region	WPA	Water Users/ Generators/Sources	Water Quality			Water Supply[a]	Remarks
			TDS, mg/L	Nitrates, mg/L	Hardness, mg/L		
	(cont.)						percolated into the local groundwater and extracted for use, starting 2010.
			530-930	ND-42	150-610	Paso GW Basin	Data from 2005 Master Plan (2003/04 CCR).
			490-510	3-5	330-368	Salinas River Underflow	
		Overlying Users					
	Salinas/Estrella WPA 14	City of Paso Robles	518	6.5	253 (14.8 grains/gal)	GW, SW[b]	The City expects to incorporate Nacimiento water into its water supply beginning Year 2010.
		San Miguel CSD	580	4.3	280	GW	Both main Zone wells have concerns with rising levels of Radionuclides. San Lawrence Terrace well (east of Salinas River) may have possible high nitrate and arsenic levels.
		CSA 16	405	16	90	GW	
		Camp Roberts					
		Overlying Users					
	Cholame WPA 15	Overlying Users					
	Nacimiento WPA 16	Oak Shores					
		Heritage Ranch CSD	180	0.9	140	SW	Water taken from Nacimiento River 3000 ft downstream of the lake
		Overlying Users					

[a]ST=State Water; GW=Groundwater; SW=surface/lake water; DS=brackish or seawater desalination; NA=not applicable; ND=non-detected
[b]Whale Rock reservoir
[c]Future water supply will include Nacimiento Water Project water
[d]Surface water supply includes Whale Rock and Santa Margarita reservoirs
[e]Surface water supply includes Lopez/Zone 3 water
[f]Surface water supply includes Whale Rock Reservoir, State Water and Chorro Reservoir
[g]Surface water supply allocation is from Chorro Reservoir only; however, combined surface waters delivered include Whale Rock, State Water and Chorro Reservoir.

APPENDIX D – MEMORANDUM, SAN LUIS OBISPO COUNTY WATER DEMAND ANALYSIS METHODOLOGY AND RESULTS, ESA, JANUARY 11, 2010

ESA

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DRAFT memorandum

date January 11, 2010

to Courtney Howard, San Luis Obispo County; Water Resources Advisory Committee (WRAC)

from Annika Fain, ESA; Eric Zigas, ESA

subject San Luis Obispo County Water Demand Analysis Methodology and Results

Background

San Luis Obispo County (County) has experienced multiple droughts, degradation of groundwater, and limited water supplies. The San Luis Obispo County Flood Control and Water Conservation District (District), with the assistance of the Carollo consulting team (team includes ESA, Wallace Group, Fugro, and Cleath), is preparing an updated County Master Water Plan (MWP). The previous version of the MWP was completed in 1998 (County, 1998). Since then, there have been many changes in the water resources in the County, including the completion of local and regional water management plans, formation of the Integrated Regional Water Management Plan (IRWMP), new water sources, new water users, and new water regulations.

The updated MWP incorporates these changes and provides all entities in the County with information and tools to help effectively and efficiently manage water resources to protect ecosystems, public health and safety, and agriculture. The County, with the assistance of consultants, has compiled and calculated the water supply and water demand. This document presents the methodology and results summary for the water demand analysis. For the water demand analysis, ESA utilized data and information provided by the WRAC and other stakeholders. The description of water resources management, urban water demand, and water supply inventory is presented in an Appendix to the updated MWP.

Total Water Demand

Definition

The total County water demand is divided into three categories: urban, rural, and agricultural. Total demand is defined as the sum of urban, agricultural, and rural demand. Environmental water demand refers to the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat. Environmental water demand is not included in the total demand because it needs to be compared to the entire amount of water in the watershed, rather than only the groundwater and surface water available to County users.

Method

The total water demand was calculated for existing and future conditions throughout the County. For calculating the existing water demand ESA utilized the most recent available data. Details about what data were used for the analysis are described in the urban, agricultural, rural, and environmental sections of this document. For future water demand ESA provided projected demand for the foreseeable future. ESA created a geodatabase, which includes all categories of water demand for existing and future conditions, as well as the total water demand, for each of the water planning areas (WPAs). The water demand has been compiled into spreadsheets that are generated by ArcGIS® layers. This allows the County to readily update any of the parameters related to water demand to conduct additional analyses. ESA utilized input from the WRAC, regional, sub-regional, and other stakeholders related to the total water demand methodology. Water purveyors throughout the County were contacted about existing and future conservation. Specific conservation factors were applied to the future urban water demand projections for urban areas where these factors were available.

Assumptions

Calculating the existing total water demand and projecting the future total water demand requires a number of assumptions, as well as review and analysis of existing data for each of the categories. Two general assumptions are outlined below while assumptions specific to each of the individual water demand categories are discussed within the individual category sections:

- Existing demands represent average annual use, in acre-feet per year (AFY). The demand can vary widely on smaller timescales, such as a daily or monthly demand.
- Future water demand is shown as a range whenever possible. For urban areas, the minimum projected future water demand accounts for conservation and the maximum projected future water demand represents a maximum buildout scenario as defined by water management plans and purveyors. The projected demand is not associated with a particular year because the year of maximum buildout is unknown and varies between water planning areas. For agricultural demand, the range represents the difference between using low and high end values for existing and future effective rain and irrigation efficiencies. For rural demand, the future range represents the difference between different development and conservation scenarios.

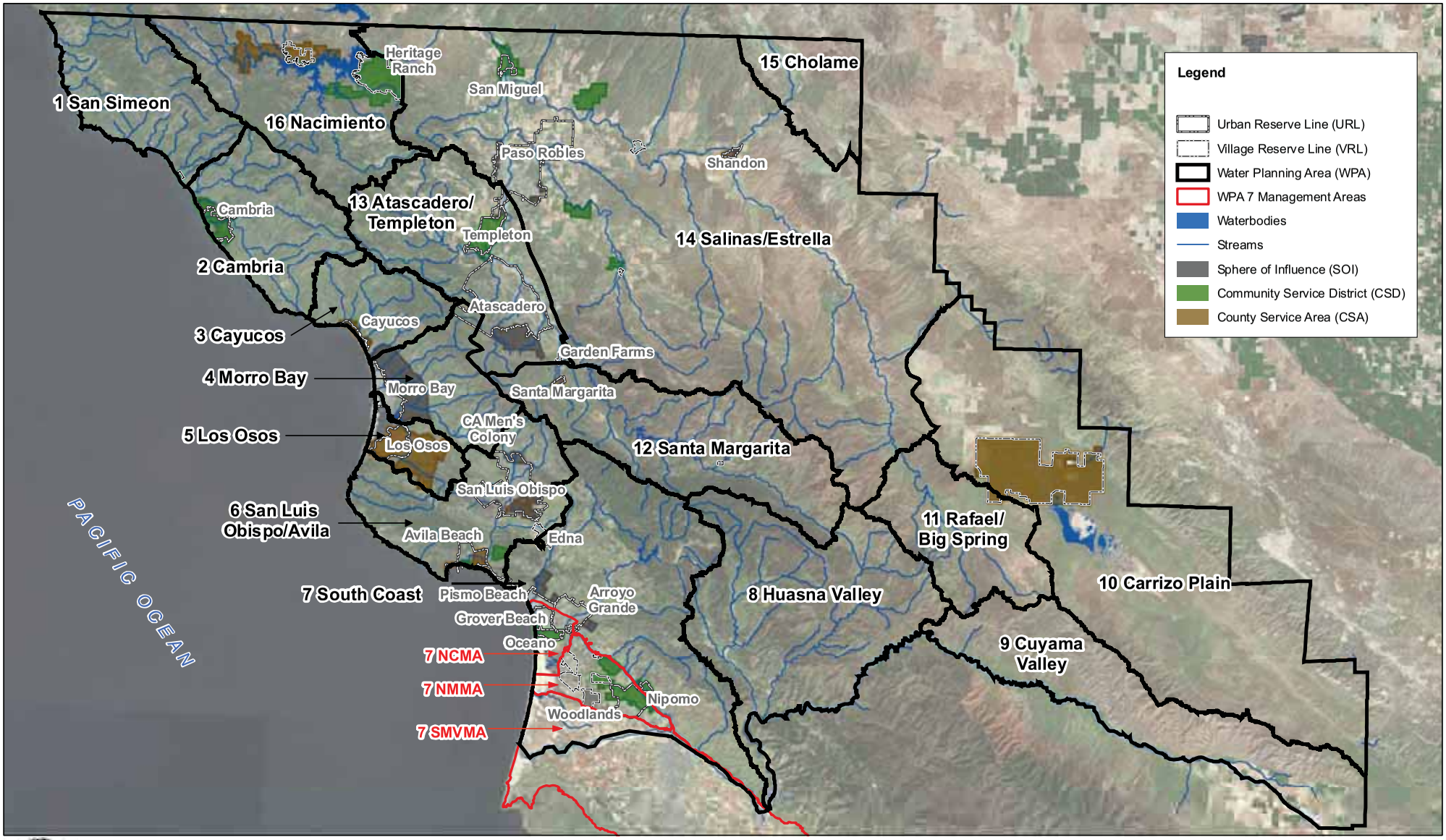
Total Demand by WPA

Table 1 summarizes the total water demand, including urban, agricultural, and rural water demand, as well as the environmental demand, developed for each of the 16 WPA's, **Figure 1** includes all 16 WPA's and the three management areas within WPA 7.

Urban Water Demand

Definition

Urban water demand refers to residential, commercial, industrial, parks, institutional, and golf course water demand within many of the unincorporated communities and incorporated cities in the County. For purposes of the MWP, the urban water demand includes all unincorporated communities and incorporated cities in the County where water purveyors have provided water demand information.



San Luis Obispo County Flood Control and Water Conservation District

MASTER WATER PLAN

Figure 1 Water Planning Areas in San Luis Obispo County

San Luis Obispo County

TABLE 1
EXISTING AND PROJECTED FUTURE WATER DEMAND FOR ALL WATER PLANNING AREAS[a]

WPA	WPA Name/ Category	Existing Demand (AFY)	Projected Demand (AFY)		
1	**San Simeon**				
Demand	Urban	108	213	-	224
Category	Agricultural	70	10	-	60
	Rural	20	50	-	50
	Total	**198**	**273**	**-**	**334**
	Environmental	72,980	72,980		
2	**Cambria**				
Demand	Urban	815	987	-	1,009
Category	Agricultural	640	740	-	1,490
	Rural	100	190	-	220
	Total	**1,555**	**1,917**	**-**	**2,719**
	Environmental	51,460	51,460		
3	**Cayucos**				
Demand	Urban	432	609	-	641
Category	Agricultural	520	430	-	800
	Rural	80	130	-	140
	Total	**1,032**	**1,169**	**-**	**1,581**
	Environmental	26,160	26,160		
4	**Morro Bay**				
Demand	Urban	3,112	3,460	-	3,532
Category	Agricultural	2,060	1,690	-	2,440
	Rural	120	190	-	220
	Total	**5,292**	**5,340**	**-**	**6,192**
	Environmental	27,880	27,880		
5	**Los Osos**				
Demand	Urban	2,043	2,727	-	2,870
Category	Agricultural	3,290	2,750	-	3,770
	Rural	20	20	-	20
	Total	**5,353**	**5,497**	**-**	**6,660**
	Environmental	7,040	7,040		
6	**SLO/Avila**				
Demand	Urban	7,871	10,787	-	11,355
Category	Agricultural	3,610	2,810	-	4,120
	Rural	450	610	-	660
	Total	**11,931**	**14,207**	**-**	**16,135**
	Environmental	33,030	33,030		
7	**South Coast**				
	Urban	410	458	-	482
	Agricultural	19,920	16,610	-	23,830
	Rural	1,480	1,990	-	2,160
Demand	NCMA[b]	11,326	13,142		13,854
Category	NMMA[b]	12,600	17,984		17,984
	SMVMA[b]	25,540	25,540		25,540
	Total	**71,276**	**75,724**	**-**	**83,850**
	Environmental	32,960	32,960		
8	**Huasna Valley**			-	
	Urban	0	0	-	0
Demand	Agricultural	1,550	2,060	-	2,820
Category	Rural	90	360	-	450
	Total	**1,640**	**2,420**	**-**	**3,270**
	Environmental	25,020	25,020		
9	**Cuyama Valley**				
	Urban	0	0	-	0
Demand	Agricultural	28,870	25,240	-	32,410
Category	Rural	10	80	-	100
	Total	**28,880**	**25,320**	**-**	**32,510**
	Environmental	Undetermined	Undetermined		
10	**Carrizo Plain**				
	Urban	0	0	-	0
Demand	Agricultural	800	680	-	890
Category	Rural [c]	210	9,610	-	12,740
	Total	**1,010**	**10,290**	**-**	**13,630**
	Environmental	Undetermined	Undetermined		

TABLE 1 (Continued)
EXISTING AND PROJECTED FUTURE WATER DEMAND FOR ALL WATER PLANNING AREAS

WPA	WPA Name/ Category	Existing Demand (AFY)	Projected Demand (AFY)		
11	**Rafael/Big Spring**				
Demand Category	Urban	0	0	-	0
	Agricultural	0	0	-	0
	Rural	0	470	-	620
	Total	**0**	**470**	**-**	**620**
	Environmental	Undetermined	Undetermined		
12	**Santa Margarita**				
Demand Category	Urban	1,819	5,881	-	6,190
	Agricultural	1,770	1,720	-	2,680
	Rural	240	450	-	520
	Total	**3,829**	**8,051**	**-**	**9,390**
	Environmental	32,850	32,850		
13	**Atascadero/Templeton**			-	
Demand Category	Urban	8,538	9,359	-	9,852
	Agricultural	10,620	9,740	-	14,600
	Rural	1,480	1,810	-	1,930
	Total	**20,638**	**20,909**	**-**	**26,382**
	Environmental	41,010	41,010		
14	**Salinas/Estrella**				
Demand Category	Urban	8,126	11,634	-	14,543
	Agricultural	67,610	60,740	-	86,820
	Rural	3,590	5,570	-	6,230
	Total	**79,326**	**77,944**	**-**	**107,593**
	Environmental	Undetermined	Undetermined		
15	**Cholame Valley**				
Demand Category	Urban	0	0	-	0
	Agricultural	80	60	-	80
	Rural	10	150	-	190
	Total	**90**	**210**	**-**	**270**
	Environmental	Undetermined	Undetermined		
16	**Nacimiento**				
Demand Category	Urban	619	987	-	1,039
	Agricultural	3,860	4,740	-	7,120
	Rural	280	730	-	880
	Total	**4,759**	**6,457**	**-**	**9,039**
	Environmental	108,390	108,390		

NOTES:

a Urban demand: Low projected demand includes conservation factor of 0 to 20 percent, based on conversations with Partners in Water Conservation. Agricultural demand: Affected by a wide range of conditions, including lack of data, weather conditions, changes in commodities and differences in irrigation practices. Future projections may not reflect the actual future water use or need, because of constant changes in farming practices. Projected agricultural demand may be significantly higher if more land is converted from dry to wet farming. Rural demand: Minimum projected rural demand reflects a 75 percent buildout scenario.

b Demand for WPA 7 management areas is from 2008 reports from NCMA (Todd Engineers, 2009), NMMA (NMMA, 2009), and SMVMA (Luhdorff and Scalmanini, 2009). SMVMA is approximated based on the proportion within San Luis Obispo County

c Carrizo Plain rural demand projections are based on existing zoning, which includes the potential for extensive California Valley development. The actual development may be much lower than 75 percent due to limited groundwater and other factors

Sources

Primary sources of data include the water system master plans (WSMP) and urban water management plans (UWMP) prepared by water purveyors, incorporated cities, and unincorporated communities. All of the urban areas have adopted a WSMP or UWMP during the last 10 years. Additionally, the County's *2008 Resource Management System Annual Resource Summary Report* provides existing projected water demand and population for these areas (County, 2008).

Method/Assumptions: Existing Use and Future Water Demand

Existing water use calculations and future water demand projections from WSMP's and UWMP's were used. UWMP's are available for all incorporated cities and include existing and future water demand. WSMP's are available for all of the unincorporated communities within Urban Reserve Lines (URLs) and some of the incorporated communities within the Village Reserve Lines (VRLs), and include existing and future water demand. The urban areas, which include all areas where water usage has been reported, are serviced by cities, Community Services Districts (CSD), County Service Areas (CSA), or other water purveyors. The Carollo consulting team, reviewed the UWMP's and WSMP's prepared by these water purveyors and provided a summary of the available existing and future urban water demand and supply presented in these documents.

The WSMP's and UWMP's describe existing use and future demand in various units such as gpcd (gallons per capita per day), AFY, or average day demand. For purposes of this analysis, the annual urban water demand is presented in AFY. The urban water demand for individual areas in the County are associated with an ArcGIS® layer that includes the existing and future urban demand. The range of future demand represents different development and conservation scenarios.

Urban Water Demand by WPA

Table 2 summarizes the urban water demand for WPAs. WPAs 8, 9, 10, 11, and 15 do not have urban demand because there are no large population centers in these WPAs. The urban water demand is discussed in detail in an Appendix to the MWP.

TABLE 2
URBAN WATER DEMAND BY WATER PLANNING AREA (WPA) [a]

WPA #	WPA Name	Existing (AFY)	Minimum Future (AFY)	Maximum Future (AFY)
1	San Simeon	108	213	224
2	Cambria	815	987	1,009
3	Cayucos	432	609	641
4	Morro Bay	3,112	3,460	3,532
5	Los Osos	2,043	2,727	2,870
6	San Luis Obispo/Avila	7,871	10,787	11,355
7	South Coast	410	458	482
	NCMA	8,702	10,518	11,232
	NMMA	6,600	11,984	11,984
12	Santa Margarita	1,819	5,881	6,190
13	Atascadero/Templeton	8,538	9,359	9,852
14	Salinas/Estrella	8,126	11,634	14,543
16	Nacimiento	619	987	1,039
Total		**49,195**	**69,604**	**74,953**

a WPAs 8,9, 10, 11, and 15, as well as SMVMA in WPA 7, do not have any urban water demand

North Coast Sub-Region

The North Coast Sub-Region includes WPA 1 through 6. The urban demand for WPA 1, San Simeon, includes the San Simeon CSD existing demand of 108 AFY and projected future demand of 213 to 224 AFY. The lower projected future water demand is based on an additional 5 percent reduction due to conservation. The urban demand for WPA 2 , Cambria, includes the Cambria CSD existing water demand of 815 AFY and projected future demand of 987 to 1,009 AFY. Cambria has achieved significant conservation and projects. In the future they could have an additional 2 percent reduction. The urban demand for WPA 3 includes the Cayucos Area Water Organization existing water demand of 432 AFY and projected future demand of 609 to 641 AFY. The lower projected future water demand is based on an additional 5 percent reduction due to conservation. The urban demand for WPA 4, Morro Bay, includes the Chorro Valley Water System and City of Morro Bay. The Chorro Valley Water System includes the California Men's Colony, Camp San Luis Obispo, and Cuesta College. The existing urban demand is 3,112 and the project future demand ranges from 3,460 to 3,532. The lower projected future water demand is based on an additional 2 percent reduction due to conservation. The existing urban demand in WPA 5, Los Osos, is 2,043 AFY and future projected demand ranges from 2,727 to 2,870 AFY. The lower projected future water demand is based on an additional 5 percent reduction due to conservation. The existing urban water demand for WPA 6, San Luis Obispo/Avila, is 7,871 AFY and future water demand ranges from 10,787 to 11,335. The lower projected future water demand is based on an additional 5 percent reduction due to conservation.

South Coast Sub-Region

The South Coast Sub-Region includes WPA 7 through 9. There is no urban water demand in WPA 8 and 9. WPA 7 includes the Northern Cities Management Area (NCMA), Nipomo Mesa Management Area (NMMA), and the northern portion of the Santa Maria Valley Management Area (SMVMA), as well as other outlying areas. The total urban existing demand for the entire water planning area is 15,712 AFY and future project demand ranges from 22,960 to 23,698 AFY. The lower projected future water demand is based on an overall 3 percent reduction due to conservation. The conservation includes 6 percent additional conservation for the NCMA, no additional conservation for the NMMA, and 5 percent additional conservation for the urban areas outside of the management areas within WPA 7. SMVMA within San Luis Obispo County does not include any urban water demand.

Inland Sub-Region

The inland sub-region includes WPA 10 through 16. WPAs 10, 11, and 15 have urban demand. The existing urban water demand for Santa Margarita Water Planning Area, WPA 12, is 1,819 AFY and future ranges from 5,881 to 6,190 AFY. The lower projected future water demand is based on an additional 5 percent reduction due to conservation. The existing urban water demand for WPA 13, Atascadero/Templeton, is 8,538 AFY and projected future demand ranges from 9,359 to 9,852 AFY. The lower projected future water demand is based on an additional 5 percent reduction due to conservation. The existing urban water demand for WPA 14, Salinas/Estrella, is 8,126 AFY and projected future ranges from 11,634 to 14,543. The lower projected future water demand is based on an additional 20 percent reduction due to conservation. The existing urban water demand for WPA 16, Nacimiento, is approximately 619 AFY and projected future ranges from approximately 987 to 1,039 AFY. The lower projected future water demand is based on an additional 5 percent reduction due to conservation.

Agricultural Water Demand

Definitions

Agricultural water demand refers to the annual applied water in all agricultural areas in the County. The following definitions are related to agricultural water demand:

- *Annual crop-specific applied water*: The annual crop-specific applied water represents the quantity of applied irrigation water per year (AF/Ac/Yr). For San Luis Obispo County, the crop-specific applied water is primarily a function of crop evapotranspiration (Etc), effective rainfall (ER), leaching requirement (LR), irrigation efficiency (IE), and frost protection (FP).

- *Eto*: The reference evapotranspiration (Eto) represents the approximate theoretical water use of a well watered, cool-seasoned grass, 4 – 6 inches tall, under full cover. This varies with changing weather conditions throughout the County. The Eto is generally reported in inches/month or inches/year.

- *Kc*: The crop coefficient (Kc) refers to a dimensionless number, specific to a particular crop, which is related to the Eto of grass (1.0). Kc is used to estimate plant water use for a particular plant in a particular region.

- *Etc*: The crop evapotranspiration (Etc) is estimated by multiplying Eto and Kc. Etc is the quantity (depth) of water transpired by plants, retained in plant tissue, and evaporated from adjacent soil surfaces during a specific time. The Etc is generally reported in inches/month or inches/year.

- *ER*: The effective rainfall (ER) is the amount of rain used by crops and is influenced by a variety of factors including frequency, intensity, and total amount of rainfall; percentage of ground cover, rate of evapotranspiration, and rooting depth of the crop; and soil water holding capacity, infiltration rate, and moisture at the time of rainfall. The ER is generally reported in inches/month or inches/year.

- *FP*: Frost protection (FP) refers to the amount of water used to protect plants from frost. The FP is based on the approximate number of nights per year, hours per night, and applied water flow rate for crops which are prone to damage. For this analysis, the crop-specific FP is reported in acre-foot per acre per year. ESA contacted UC Farm Advisors to establish the FP.

- *LR*: Leaching requirement (LR) refers to the amount of extra irrigation water necessary to remove salts from the soils. For this analysis, the LR is reported in percent of irrigated water. ESA contacted UC Farm Advisors to establish the LR.

- *IE*: Irrigation efficiency (IE) represents the percentage of irrigation water beneficially used vs. total irrigation water applied. ESA contacted a CRCD Irrigation Specialist to establish the IE.

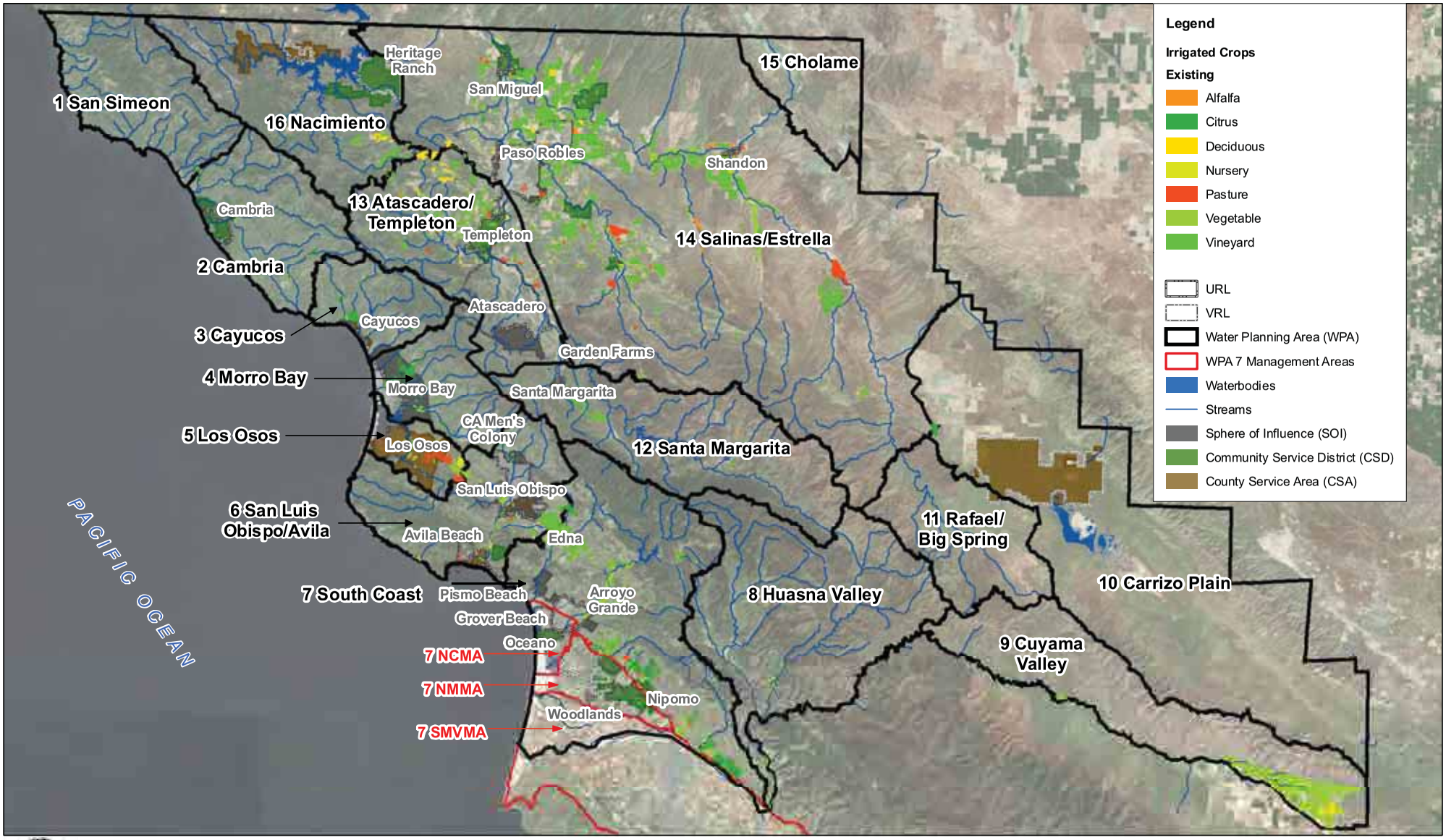
Sources

The Agriculture/Crop ArcGIS® layer for the County from August 2008 was used to determine existing agricultural acreage for each crop group. This layer is updated yearly with information from the pesticide use records obtained by the San Luis Obispo Department of Agriculture. The Agricultural Commissioner, Mike Isensee, has stated that the pesticide use records are forecasts and are approximately 80 percent accurate (Isensee, 2009a). The number of crop rotations varies and is not identified in the Agriculture/Crop ArcGIS® layer. The majority of irrigated vegetables are rotated numerous times throughout the year. Many of the coastal areas with available water may have 2, 3, or 4 crops planted in a particular year (Isensee, 2009c).

The California Irrigation Management Information System (CIMIS) and University of California Cooperative Extension Leaflets 21426 to 21428 data were used as reference evapotranspiration (ETo) and crop coefficients (Kc) for areas where data were available (CIMIS, 2009; Snyder et al., 1987, 1989a, 1989b). The rainfall data utilized is from SLO County gages, SLO County Hydrology Report (County, 2005), and County Flood Control and Water Conservation District maps (County, 2009). ESA contacted two UC Farm Advisors (Mark Battany and Mark Gaskell) in San Luis Obispo County and obtained information on frost protection and leaching requirements. Irrigation efficiency information was obtained from a Cachuma Resource Conservation District (CRCD) Irrigation Specialist (Kevin Peterson), as well as from Ms. Kris O'Connor, the Central Coast Vineyard Team (CCVT) Executive Director. Additionally, ESA used DWR estimates of the quantity of water applied to a specific crop per unit area (DWR, 2009a).

Method/Assumptions: Existing Agricultural Demand

The agricultural crop ArcGIS® layer includes approximately 200 classifications of commodities. This included approximately 86,000 acres of rangeland and 42,000 acres of uncultivated agriculture. For purposes of this analysis, the irrigated commodities were categorized into seven groups (**Table 3**). Avocados and citrus are included in the same crop group to be consistent with DWR crop groups (DWR, 2001) and annual agricultural water use monitoring by Gene Melschau, a Nipomo farmer (Melschau, 2009). Although the groups are based on commodities that may have similar water requirements, the actual water usage will vary based on individual commodities, soil type, and number of rotations on individual parcels. Almonds are not included in the commodity (deciduous) list because they require a small amount of irrigation water (Isensee, 2009b). **Figure 2** includes the location of all irrigated crops identified in the County ArcGIS® layer from August 2008.



San Luis Obispo County Flood Control and Water Conservation District

MASTER WATER PLAN

Figure 2 Existing Crops in San Luis Obispo County

San Luis Obispo County

The existing acreage of irrigated crops, as reported by growers, is shown in **Table 4**. The acreage changes on a monthly or annual basis and can be readily updated in ArcGIS® and annual applied water can be recalculated.

TABLE 3
CROP GROUP AND COMMODITIES USED FOR THE AGRICULTURAL DEMAND ANALYSIS

Crop Group	Primary Commodities
Alfalfa	Alfalfa
Nursery	Christmas trees, miscellaneous nursery plants, flowers
Pasture	miscellaneous grasses, mixed pasture, sod/turf, sudangrass
Citrus	avocados, grapefruits, lemons, oranges, olives, kiwis, pomegranates
Deciduous	apples, apricots, berries, peaches, nectarines, plums, figs, pistachios, persimmons, pears, quince, strawberries
Vegetables	artichokes, beans, miscellaneous vegetables, mushrooms, onions, peas, peppers, tomatoes
Vineyard	wine grapes, table grapes

TABLE 4
EXISTING IRRIGATED CROP ACREAGE DETERMINED IN GIS[a]

WPA #	WPA Name	Alfalfa (ac)	Citrus (ac)	Deciduous (ac)	Nursery (ac)	Pasture (ac)	Vegetable (ac)	Vineyard (ac)	Total (ac)
1	San Simeon		19					64	83
2	Cambria		343	26	2		188	45	603
3	Cayucos		345				107	5	456
4	Morro Bay		672		0	35	497	76	1,281
5	Los Osos			4	104	505	903	1	1,515
6	San Luis Obispo/Avila		219	182	40	209	881	538	2,070
7[b]	South Coast		4,018	24	208	530	3,231	3,198	11,210
8	Huasna Valley		19	5			160	472	656
9	Cuyama Valley			642			9,083	211	9,936
10	Carrizo Plain		250						250
12	Santa Margarita	15		7		55		974	1,051
13	Atascadero/Templeton		32	712	80	589	17	3,434	4,864
14	Salinas/Estrella	800	319	655	76	1,446	2,098	27,424	32,818
15	Cholame Valley		26						26
16	Nacimiento		45	780		10		974	1,809
	Total	**815**	**6,307**	**3,037**	**510**	**3,377**	**17,166**	**37,416**	**68,629**

[a] Acreages were determined by aggregating County Crops ArcGIS® (2008) data, which is based on the pesticide use records, and crops identified in the County Land Use ArcGIS® (2009) data. These values are aggregated in a database file exported from ArcGIS® and summarized in a pivot table. The County Crops ArcGIS® data does not include any irrigated crop acreage in WPA 11.

[b] The agricultural acreage determined in GIS for WPA 7 only includes areas outside of the NCMA, NMMA, and SMVMA. The amount of irrigated acreage for these management areas is approximately 1,600 acres for NCMA (Todd Engineers, 2009), 2,600 acres for NMMA (NMMA, 2009), and 10,500 acres for SMVMA (Luhdorff and Scalmanini, 2009). 99.9 percent of strawberries in the County are located in these three areas.

ESA calculated the crop-specific applied water for these crop groups by utilizing information on crop evapotranspiration, contribution from rain or shallow water table, leaching requirements, irrigation efficiency, and frost protection. The following equation was used to calculate the annual crop-specific applied water (AF/Ac/Yr) for each of the water planning areas:

$$\text{Annual Crop - Specific Applied Water (AF/Ac/Yr)} = \frac{\text{ETc} - \text{ER}}{(1 - \text{LR}) \text{ x IE}} + \text{FP}$$

This formula was modified from a general formula for irrigation water requirements, which was established in 1997 (Burt, 1997). A detailed discussion and summary tables of each of the parameters in the above equation is presented in **Appendix A**. The annual crop-specific applied water is multiplied by crop acreage to determine an agricultural water demand for each crop group (AFY).

Reference Crop Evapotranspiration (Eto). Crop evapotranspiration for four CIMIS weather stations in San Luis Obispo County and in Kern County (to the east) was used (CIMIS, 2009). The CIMIS stations in San Luis Obispo County include two in San Luis Obispo, one in Atascadero, and one in Nipomo. Additional Eto monthly averages were obtained from the Reference Eto zone maps (DWR, 1999), University of California Bulletin 1922 (University of California, 1987), and University of California Cooperative Extension Leaflet 21426 (Snyder et al., 1987).

Crop coefficient (Kc). The crops in San Luis Obispo County were assigned crop coefficients based on the crop type and location. These crops include alfalfa, nursery, irrigated pasture, citrus, deciduous, vegetable, and vineyard. ESA has developed spreadsheets and ArcGIS® linkage so these numbers can be easily updated with new crop coefficients and crop evapotranspiration.

Crop Evapotranspiration (Etc). Crop evapotranspiration was calculated by multiplying the Eto by the Kc for each agricultural crop group and WPA.

Effective Rainfall (ER). The effective rainfall was calculated for each area by utilizing historical monthly precipitation in San Luis Obispo County and effective precipitation based on crop group.

Frost Protection (FP). The sprinkler frost protection water requirement was estimated for grapes (throughout the County), strawberries (WPA 7 and 8), and blueberries (WPA 2, 7, and 14). For vineyards, the frost threat occurs from March to April in San Luis Obispo County. For strawberries in San Luis Obispo County, primarily in WPA 7, the frost threat occurs from January to March. Sprinkler frost protection requires a large amount of water, which may be higher than a typical groundwater well can produce (Battany, 2009). Therefore, growers that use sprinkler frost protection will generally have large reservoirs on site or nearby. The frost protection in the County is approximately 0.50 AF/Ac/Yr for vineyards throughout the County (San Luis Obispo County, 1998), because many of the vineyards do not use frost protection ESA has used a value of 0.25 AF/Ac/Yr. The frost protection value used for strawberries and blueberries, classified as deciduous, is 0.4 AF/Ac/Yr (County, 1998). The vast majority of strawberries (99.9 percent) are located in WPA 7 management areas (i.e. NCMA, NMMA, and SMVMA).

Leaching Requirements (LR). Leaching requirements, the amount of over watering necessary to remove salts from the soil, were assumed to be satisfied by rainfall in the coastal areas. ESA assumed that the leaching requirements for inland areas varied from 5 percent to 16 percent for existing conditions and 7 percent to 18 percent for future conditions (Fugro and Cleath, 2002). Mark Gaskell, UC Farm Advisor, stated that strawberries may have a leaching requirement of 10 to 20 percent (Gaskell, 2009). Therefore, ESA used a leaching requirement of 11 percent for existing demand and 13 percent for future demand in WPA 7. Future leaching requirements may be greater, based on a build-up of salts in the soil due to deficient winter rains (Battany, 2008; Gaskell, 2009).

Irrigation Efficiency (IE). Irrigation efficiencies were calculated by utilizing irrigation distribution uniformity and losses provided by the San Luis Obispo County/Santa Barbara County Cachuma Resource Conservation District (CRCD), San Luis Obispo County Coastal Resources Conservation District, vineyard owners, and recent studies. Additionally, ESA incorporated input from a CRCD Irrigation Specialist on existing and future irrigation efficiencies (Peterson, 2009a, 2009b).

Method/Assumptions: Future Agricultural Demand

Similar methods and equations were used to calculate the future irrigation water requirements. The calculation of future agricultural demand is different from existing use due to changes in cropping patterns, weather patterns, and irrigation methods. Over the past 20 years, irrigation efficiencies have improved substantially. Although predicting future agricultural demand is very difficult, according to the Agricultural Commissioner and a CRCD Irrigation Specialist, irrigation efficiencies are likely to continue to improve due to site specific monitoring of soil water availability and crop needs, planting of root stock that is more drought tolerate, or modification of irrigation techniques based upon ongoing research (Isensee, 2009c; Peterson, 2009b) Growers may also face economic pressure due to increased electricity costs if groundwater levels decline, or may have economic incentives for the development of higher water efficiencies (Isensee, 2009c). Therefore, ESA assumed higher irrigation efficiencies for projected future agricultural demand than in existing demand calculations. More details about how the irrigation efficiencies were determined are included in Appendix A.

Based on recent trends in agriculture, much of the additional projected future irrigated land could be converted to vineyards. For purposes of this analysis, ESA assumed that the 6,000 acres of hay and oats identified in the 2008 ArcGIS® crop layer would be converted to vineyards. The County has approximately 70,000 acres of farmland enrolled in the Federal Conservation Reserve Program (CRP) (USDA, 2009). Many of the existing CRP contracts will expire in the next 10 years. If there is sufficient water available, much of this farmland could enter into irrigated production (Isensee, 2009c). ESA has estimated future irrigated crop acreage by adding existing irrigated crop acreage plus inactive irrigated crop acreage and approximately 6,000 acres of future vineyards (converted from existing oat and hay acreage). The total future irrigated crop acreage, including WPA 7 management areas, was 95,038 acres compared to existing crop acreage of 83,329 acres. This analysis does not account for annual rotation from fallow to cultivated land. Projected future irrigated acreage is presented in **Table 5**.

Agricultural Water Demand by WPA

Table 6 includes a summary of the range of existing annual applied water (AFY) by WPA. The range is based on different rainfall and irrigation efficiencies. **Table 7** includes a summary of the projected future annual applied water (AFY) by WPA. All agricultural water demands have been rounded to the 10’s.

San Simeon Water Planning Area (WPA 1)

The existing annual applied water for WPA 1 is approximately 70 AFY. The existing crops in this area include citrus and vineyards. The projected future annual applied water for WPA 1 ranges from approximately 10 to 60 AFY. The projected future agricultural demand is less than existing, due to increased irrigation efficiencies and no additional crops in this area.

TABLE 5
PROJECTED FUTURE IRRIGATED CROP ACREAGE DETERMINED IN GIS[a]

WPA #	WPA Name	Alfalfa (ac)	Citrus (ac)	Deciduous (ac)	Nursery (ac)	Pasture (ac)	Vegetable (ac)	Vineyard (ac)	Total (ac)
1	San Simeon		19					64	83
2	Cambria		409	28	2		395	457	1,291
3	Cayucos		477				108	13	598
4	Morro Bay		722		0	35	527	96	1,380
5	Los Osos		21	4	104	505	995	1	1,628
6	San Luis Obispo/Avila		224	182	40	209	920	542	2,117
7[b]	South Coast		4,048	44	209	703	3,378	3,740	12,122
8	Huasna Valley		19	5	4	97	160	670	954
9	Cuyama Valley			642			9,501	211	10,354
10	Carrizo Plain		251	1			3		255
12	Santa Margarita	15	4	9		95		1,284	1,406
13	Atascadero/Templeton		54	778	80	814	47	4,774	6,547
14	Salinas/Estrella	800	381	879	78	1,886	2,121	32,086	38,232
15	Cholame Valley		26						26
16	Nacimiento		48	846		10		2,441	3,345
	Total	**815**	**6,703**	**3,418**	**517**	**4,352**	**18,154**	**46,380**	**80,338**

[a] The agricultural acreages were determined by aggregating County Crops ArcGIS® (2008) data, which is based on the pesticide use records, and crops identified in the County Land Use ArcGIS® (2009) data. These crop acreages are aggregated in a database file exported from ArcGIS® and inputted into spreadsheets. The County Crops ArcGIS® data does not include any irrigated crop acreage in WPA 11.

[b] The agricultural acreage determined in GIS for WPA 7 only includes areas outside of the NCMA, NMMA, and SMVMA. The amount of irrigated acreage for these management areas is approximately 1,600 acres for NCMA (Todd Engineers, 2009), 2,600 acres for NMMA (NMMA, 2009), and 10,500 acres for SMVMA (Luhdorff and Scalmanini, 2009). 99.9 percent of strawberries in the County are located in these three areas.

TABLE 6
EXISTING AGRICULTURAL WATER DEMAND BY WPA (AFY)[a]

Water Planning Area		low demand (AFY)	medium demand (AFY)	high demand (AFY)
1	San Simeon	40	70	90
2	Cambria	440	640	850
3	Cayucos	370	520	670
4	Morro Bay	1,670	2,060	2,440
5	Los Osos	2,750	3,290	3,830
6	San Luis Obispo/Avila	2,900	3,610	4,320
7[b]	South Coast	16,250	19,920	23,580
8	Huasna Valley	1,300	1,550	1,800
9	Cuyama Valley	25,110	28,870	32,630
10	Carrizo Plain	690	800	910
12	Santa Margarita	1,390	1,770	2,160
13	Atascadero/Templeton	8,570	10,620	12,670
14	Salinas/Estrella	55,480	67,610	79,730
15	Cholame Valley	70	80	90
16	Nacimiento	3,120	3,860	4,610
	Total	**120,150**	**145,270**	**170,380**

[a] All agricultural demand values have been rounded to the 10's. The County Crops ArcGIS® data does not include any irrigated crop acreage in WPA 11.

[b] The agricultural demand for WPA 7 in this table only includes areas outside of the NCMA, NMMA, and SMVMA.

TABLE 7
PROJECTED FUTURE AGRICULTURAL WATER DEMAND BY WPA (AFY)[a]

Water Planning Area		low demand (AFY)	medium demand (AFY)	high demand (AFY)
1	San Simeon	10	40	60
2	Cambria	740	1,110	1,490
3	Cayucos	430	620	800
4	Morro Bay	1,690	2,070	2,440
5	Los Osos	2,750	3,260	3,770
6	San Luis Obispo/Avila	2,810	3,470	4,120
7[b]	South Coast	16,610	20,220	23,830
8	Huasna Valley	2,060	2,440	2,820
9	Cuyama Valley	25,240	28,820	32,410
10	Carrizo Plain	680	780	890
12	Santa Margarita	1,720	2,200	2,680
13	Atascadero/Templeton	9,740	12,170	14,600
14	Salinas/Estrella	60,740	73,780	86,820
15	Cholame Valley	60	70	80
16	Nacimiento	4,740	5,930	7,120
	Total	**130,020**	**156,980**	**183,930**

[a] All projected future agricultural demand values have been rounded to the 10's. The County Crops ArcGIS® data does not include any irrigated crop acreage in WPA 11.
[b] The agricultural water demand for WPA 7 only includes areas outside of the NCMA, NMMA, and SMVMA.

Cambria Water Planning Area (WPA 2)

The existing annual applied water for WPA 2 is approximately 640 AFY. The existing crops in this area include citrus, deciduous, vegetable, and vineyards. The projected future annual applied water for WPA 2 ranges from approximately 740 to 1,490 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of all of the existing crop groups, especially vegetables and vineyards.

Cayucos Water Planning Area (WPA 3)

The existing annual applied water for WPA 3 is approximately 520 AFY. The existing crops in this area include citrus, vegetables, and vineyards. The projected future annual applied water for WPA 3 ranges from approximately 430 to 800 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, vegetables, and vineyards.

Morro Bay Water Planning Area (WPA 4)

The existing annual applied water for WPA 4 is approximately 2,060 AFY. The existing crops in this area include citrus, irrigated pasture, vegetable, and vineyards. The projected future annual applied water for WPA 4 ranges from approximately 1,690 to 2,440 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, vegetables, and vineyards.

Los Osos Water Planning Area (WPA 5)

The existing annual applied water for WPA 5 is approximately 3,290 AFY. The existing crops in this area include deciduous, nursery, pasture, vegetable, and vineyards. The projected future annual applied water for WPA 5

ranges from approximately 2,750 to 3,770 AFY. The projected future agricultural demand is less than existing, due to increased irrigation efficiencies.

San Luis Obispo/Avila Water Planning Area (WPA 6)

The existing annual applied water for WPA 6 is approximately 3,610 AFY. The existing crops in this area include deciduous, nursery, pasture, vegetable, and vineyards. The projected future annual applied water for WPA 6 ranges from approximately 2,810 to 4,120 AFY. The projected future agricultural demand is less than existing, due to increased irrigation efficiencies.

South Coast Water Planning Area (WPA 7)

Outlying Areas

The existing annual applied water in the tables above includes the demand for the areas in WPA 7 that are located outside of the NMMA, NCMA, and SMVMA boundaries. The existing annual applied water for this part of WPA 7 is approximately 19,920 AFY. The projected future demand ranges from 16,610 to 23,830 AFY.

Northern Cities Management Area (NCMA)

In 2008, the irrigated crops consisted of approximately 4 acres of nursery crops and approximately 1,596 acres of crops such as broccoli, onions, and strawberries. The total existing annual applied water for irrigated crops in the NCMA, part of WPA 7, is approximately 2,590 AFY (Todd Engineers, 2009). The future agricultural water demand in NCMA is not expected to change significantly from existing water usage (Todd Engineers, 2009).

Nipomo Mesa Management Area (NMMA)

In 2008, the irrigated crops in NMMA consisted of 3 acres deciduous, 3 acres pasture, 424 acres vegetable, 264 acres of avocado and lemon, 1,176 acres of strawberries, and 261 acres of nurseries (NMMA, 2009). The total existing annual applied water for irrigated crops in NMMA is approximately 4,300 AFY (NMMA, 2009). The future agricultural water demand in NMMA is not expected to change significantly from existing water usage.

Santa Maria Valley Management Area (SMVMA)

In 2008, the crops within the San Luis Obispo portion of SMVMA consisted of approximately 9,649 acres of vegetables, 798 acres of strawberries, and 63 acres of nurseries. The crop acreage was calculated from the San Luis Obispo County Crops ArcGIS layer. The 2008 SMVMA Annual Report established annual applied crop water duties for these crop groups of 2.50, 1.55, and 2.1 AF/Ac/Yr, respectively (Luhdorff and Scalmanini, 2009). Based on the applied water duties established in the SMVMA 2008 Annual Report and the acreage determined by the County Crops ArcGIS layer, the existing agricultural water demand would be approximately 25,540 AFY. The future agricultural water demand in SMVMA is not expected to change significantly from existing water usage.

Huasna Valley Water Planning Area (WPA 8)

The existing annual applied water for WPA 8 is approximately 1,550 AFY. The existing crops in this area include citrus, deciduous, vegetables, and vineyards. The projected future annual applied water for WPA 8 ranges from approximately 2,060 to 2,820 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of nursery, pasture, and vineyards.

Cuyama Valley Water Planning Area (WPA 9)

The existing annual applied water for WPA 9 is approximately 28,870 AFY. The existing crops in this area include deciduous, vegetables, and vineyards. The projected future annual applied water for WPA 9 ranges from approximately 25,320 to 32,410 AFY. The projected future agricultural demand is less than existing, due to increased irrigation efficiencies.

Carrizo Plain Water Planning Area (WPA 10)

The existing annual applied water for WPA 10 is approximately 800 AFY. The existing crops in this area are primarily citrus crops. The projected future annual applied water for WPA 10 ranges from approximately 680 to 890 AFY. The projected future agricultural demand is less than existing, due to increased irrigation efficiencies.

Santa Margarita Water Planning Area (WPA 12)

The existing annual applied water for WPA 12 is approximately 1,770 AFY. The existing crops in this area include alfalfa, deciduous, pasture, and vineyards. The projected future annual applied water for WPA 12 ranges from approximately 1,720 to 2,680 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, deciduous, pasture, and vineyards.

Atascadero/Templeton Water Planning Area (WPA 13)

The existing annual applied water for WPA 13 is approximately 10,620 AFY. The existing crops in this area include citrus, deciduous, nursery, pasture, vegetable, and vineyards. The projected future annual applied water for WPA 13 ranges from approximately 9,740 to 14,600 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of all existing crop groups.

Salinas/Estrella Water Planning Area (WPA 14)

The existing annual applied water for WPA 14 is approximately 67,610 AFY. The existing crops in this area include commodities from all crop groups. The projected future annual applied water for WPA 14 ranges from approximately 60,740 to 86,820 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, deciduous, pasture, vegetables, and vineyards.

Cholame Water Planning Area (WPA 15)

The existing annual applied water for WPA 15 is approximately 80 AFY. The existing crops in this area are primarily citrus crops. The projected future annual applied water for WPA 15 ranges from approximately 60 to 80 AFY. The projected future agricultural demand is approximately equal to the existing agricultural demand in this planning area.

Nacimiento Water Planning Area (WPA 16)

The existing annual applied water for WPA 16 is approximately 3,860 AFY. The existing crops in this area are citrus, deciduous, pasture, and vineyards. The projected future annual applied water for WPA 16 ranges from approximately 4,740 to 7,120 AFY. The projected future agricultural demand is higher than existing due to increases in acreage of citrus, deciduous, and vineyards.

Rural Water Demand

Definitions

Rural water demand refers to water demand in unincorporated areas of the County that are not considered agricultural or urban.

Sources

The County ArcGIS® land use data, including vacant and developed properties and potential subdivisions and units, in the unincorporated areas of the County were used to calculate a rural water demand. Additional sources include information from purveyors, water management plans, and the County's *2008 Resource Management System Annual Summary Report*.

Method/Assumptions: Existing and Future Rural Demand

A water duty factor was applied to the number of dwelling units (DU) of unincorporated areas that are outside of the urban and agricultural areas. The water duty factor associated with rural demand is an estimated average annual volume of water used by a particular rural user and is represented as AFY/DU.

Due to different climates and types of water usage, the water duty factors can vary widely between region and time of year. The water duty factor varies with the number of persons in each DU, the amount of landscaping, and the climate. Coastal areas require less water than inland areas due to greater evapotranspiration in the inland areas and more precipitation in the coastal areas. The water duty factor for each area was determined by utilizing water usage data available through San Luis Obispo County, adjacent counties, and water purveyors. ESA calculated a range for existing and future rural demand in each region based on the amount of development and conservation.

ESA utilized the County Land Use ArcGIS® layer, which includes land use and potential DU per acre for all unincorporated areas of the County. The methods that the County used to prepare the land use data are described in **Appendix B**. A detailed discussion of how ESA utilized the County Land Use ArcGIS® database is included in **Appendix C**. For the rural demand analysis, ESA excluded all areas in the County that were accounted for with urban or agricultural water demand. Existing and projected future nurseries and vineyards present in the Land Use ArcGIS® layer were merged into the agriculture ArcGIS® layer and included in the agricultural demand analysis.

ESA calculated a rural water demand for each area by multiplying the number of dwelling units by a water duty factor. For future rural water demand, the potential residential demand was reduced by 25 percent to account for physical and environmental constraints on development. The 25 percent is based on a future County development of 75 percent of vacant land that is designated by the County as having development potential. In the future, this could be refined for specific planning areas. The County is developing a Countywide Rural Plan that will analyze different rural buildout scenarios. The rural demand for individual areas in the County was associated with a ArcGIS® layer, which includes the number of dwelling units, water duty factor, and calculated rural water demand for all unincorporated areas in the County that are not considered agricultural or urban. ESA utilized input from the WRAC, regional, sub-regional, and other stakeholders to develop the rural water demand methodology.

Rural Water Demand by WPA

Appendix C provides a detailed discussion of the method ESA used to calculate the existing and projected future rural water demand. **Table 8** summarizes an estimate of the existing rural demand and an estimate of the projected future rural demand for all WPAs. The number of existing dwelling units (DU) was multiplied by 0.8 AFY/DU for coastal WPAs (WPA 1-7) and 1.0 AFY/DU for inlands WPA (WPA 8-16) to estimate the existing rural residential water demand for this WPA. Rural residential water demand represents approximately 99.6 percent of the total rural demand. The number of existing rural industrial/commercial parcels, which are not served by existing water purveyors, was multiplied by a factor of 1.5 AFY/DU for all planning areas and for both existing and future industrial/commercial rural water demand. Rural industrial/commercial demand makes up approximately 0.4 percent of total rural water demand. The number of projected future DU was multiplied by 0.6 AFY/DU for coastal WPAs and 0.8 AFY/DU for inland WPAs to determine the projected future rural water demand for this WPA. **Figure 3** shows a summary of residential, commercial/industrial, and vacant parcels throughout San Luis Obispo County. According to existing County land use designations, much of the vacant rural land could be developed in the future if water and other resources were available.

TABLE 8
EXISTING AND FUTURE RURAL WATER DEMAND

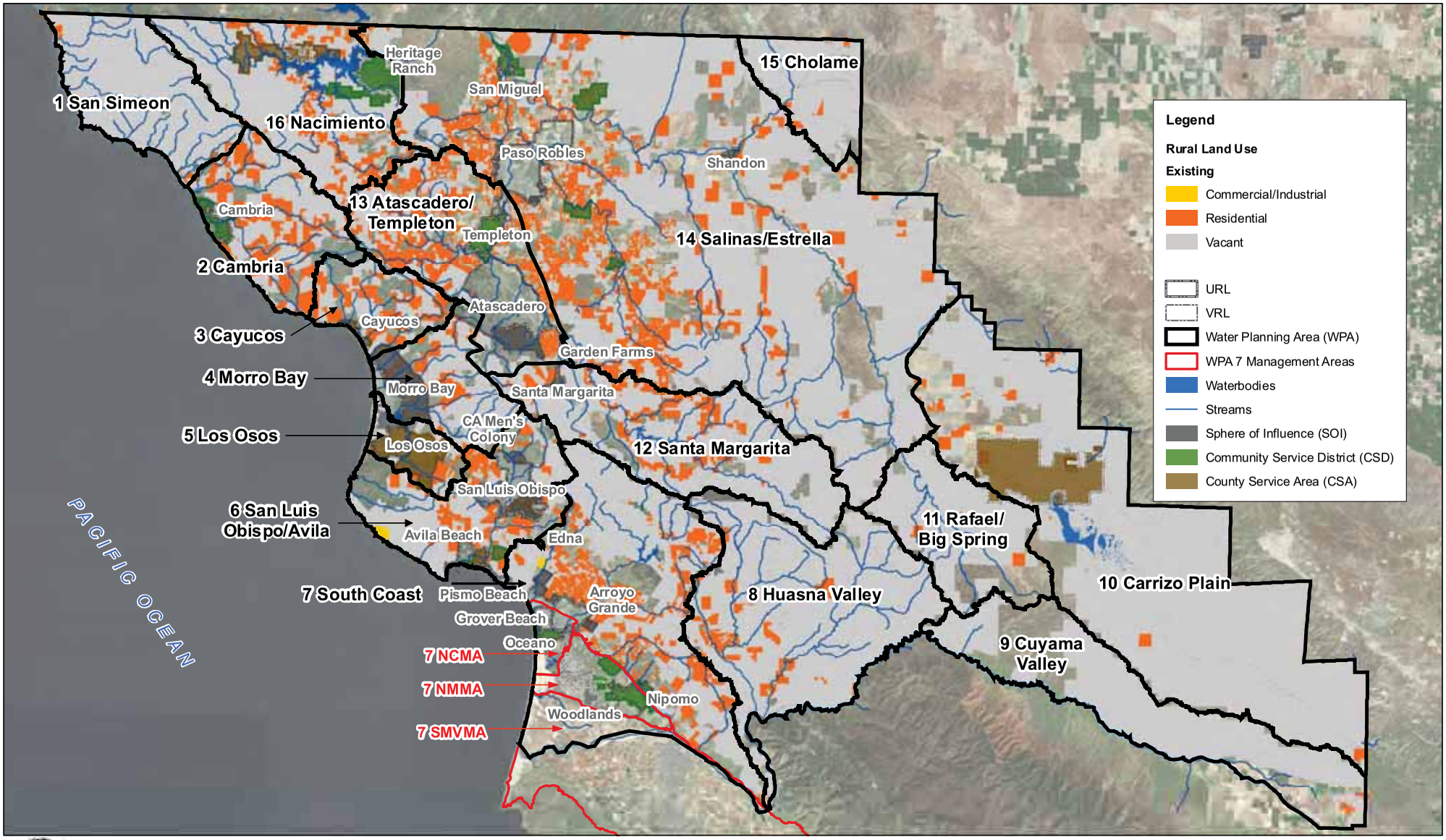
	Water Planning Area	Average Existing Rural Demand (AFY)[a]	Minimum Future Rural Demand (AFY)[b,c]	Maximum Future Rural Demand (AFY)[b]
1	San Simeon	20	50	50
2	Cambria	100	190	220
3	Cayucos	80	130	140
4	Morro Bay	120	190	220
5	Los Osos	20	20	20
6	San Luis Obispo/Avila	450	610	660
7[d]	South Coast	1,480	1,990	2,160
8	Huasna Valley	90	360	450
9	Cuyama Valley	10	80	100
10	Carrizo Plain	210	9,610	12,740
11	Rafael/Big Spring	0	470	620
12	Santa Margarita	240	450	520
13	Atascadero/Templeton	1,480	1,810	1,930
14	Salinas/Estrella	3,590	5,570	6,230
15	Cholame Valley	10	150	190
16	Nacimiento	280	730	880
	Total	**8,180**	**22,410**	**27,130**

[a] Water usage factor used for all existing rural residential units in WPA 1-7 is 0.8 AFY/DU and WPA 8-16 is 1.0 AFY/DU, for commercial/industrial areas was 1.5 AFY/DU.

[b] Water usage factor used for all future residential units in WPA 1-7 is 0.6 AFY/DU and WPA 8-16 is 0.8 AFY/DU, for commercial/industrial areas was 1.5 AFY/DU.

[c] Minimum demand represents 75 percent of potential development

[d] The rural demand for WPA 7 only includes areas outside of the NCMA, NMMA, and SMVMA.



San Luis Obispo County Flood Control and Water Conservation District

MASTER WATER PLAN

Figure 3 Rural Land Use in San Luis Obispo County

San Luis Obispo County

0 2.5 5 10 Miles

North Coast Sub-Region

The existing rural demand for San Simeon Water Planning Area, WPA 1, is approximately 20 AFY and future is approximately 50 AFY. The existing rural demand for Cambria Water Planning Area, WPA 2, is approximately 100 AFY and future is approximately 190 to 220 AFY. The existing rural demand for Cayucos Water Planning Area, WPA 3, is approximately 80 AFY and future range is from approximately 130 to 140 AFY. The existing rural demand for Morro Bay Water Planning Area, WPA 4, is approximately 120 AFY and projected future range is from 200 to 220 AFY. The existing rural demand for Los Osos Water Planning Area, WPA 5, is 20 AFY and projected future demand is approximately the same. The majority of WPA 5 is composed of agricultural and urban areas, so there are only a small number of parcels in WPA 5 where there could be additional rural development. The existing rural demand for San Luis Obispo/Avila Water Planning Area, WPA 6, is 450 AFY and projected future range is 610 to 660 AFY. The majority of existing rural parcels identified in the WPAs within the North Coast Sub-Region are classified as developed rural lands. The majority of vacant parcels in these WPAs that could be converted to rural residential in the future are vacant parcels with rural land use designations.

South Coast Water Planning Area (WPA 7)

Outlying Areas

The existing annual rural water demand in the tables above includes the demand for the areas in WPA 7 that are located outside of the NMMA, NCMA, and SMVMA boundaries. The existing demand for outlying areas in WPA 7 is 1,480 AFY and the projected demand for outlying areas in WPA 7 is 1,990 to 2,160 AFY. The majority of existing rural parcels identified in WPA 7 are classified as developed rural residential, rural suburban, or rural lands. The majority of vacant parcels in WPA 7 that could be converted to rural residential in the future are vacant parcels with rural land use designations

Northern Cities Management Area (NCMA)

In 2008, the NCMA had a rural demand of approximately 36 AFY (Todd Engineers, 2009). The NCMA has minimal rural land that could be developed. In the future, the rural water demand in this area is expected to be similar to the existing demand. Most of the increase in demand in NCMA is projected to be from urban users. The existing rural water demand will be estimated and reported annually in an NCMA report.

Nipomo Mesa Management Area (NMMA)

In 2008, the NMMA had a rural demand of approximately 1,700 AFY (NMMA, 2009). The rural water demand consisted of primarily rural residential and suburban parcels. The rural water demand in the future is expected to be similar to the existing demand. Most of the increase in water demand in NMMA is projected to be from urban users. The rural water demand will be estimated and reported annually in an NMMA report.

Santa Maria Valley Management Area (SMVMA)

The water demand in the San Luis Obispo section of SMVMA is primarily classified as agricultural demand (Luhdorff and Scalmanini, 2009). Based on the County Land Use GIS, the existing rural water demand in SMVMA is approximately 37 AFY and future demand is approximately 110 AFY. Both existing and future rural demand is less than 0.5 percent of the total demand for the SMVMA within San Luis Obispo County.

Huasna Valley Water Planning Area (WPA 8)

For the Huasna Valley Water Planning Area, the existing annual rural water demand is 90 AFY and the range of projected future demand is 360 to 450 AFY. The majority of existing rural parcels identified in WPA 8 are classified as developed rural lands. The majority of vacant parcels in WPA 8 that could be converted to rural residential in the future are vacant parcels with rural land use designations.

Cuyama Valley Water Planning Area (WPA 9)

The existing annual rural water demand is 10 AFY and the range of projected future demand is 80 to 100 AFY. The majority of existing rural parcels identified in WPA 9 are classified as developed rural lands. The majority of vacant parcels in WPA 9 that could be converted to rural residential in the future are vacant parcels with rural land use designations

Inland Sub-Region

The estimated rural demand for the Carrizo Plain, WPA 10, is 210 AFY and future demand ranges from 9,610 to 12,740 AFY. The majority of existing rural parcels identified in WPA 10 are classified as developed rural lands. According to existing zoning, it is possible that Carrizo Plain could have extensive residential development. However, it is unlikely that the number of residential units that are zoned as potential residential will be developed due to limited water availability and other factors.

There is no existing rural demand for WPA 11, Rafael/Big Spring, but in the future, if water is available and development occurs, there could be from approximately 470 to 620 AFY. The existing rural demand for WPA 12 is approximately 240 AFY and future demand ranges from approximately 450 to 520 AFY. The existing rural demand for WPA 13, Atascadero/Templeton, is approximately 1,480 AFY and future demand ranges from 1,810 to 1,930 AFY. The existing rural demand for WPA 14, Salinas/Estrella, is approximately 3,590 AFY and future demand ranges from 5,570 to 6,230 AFY. The existing rural demand for WPA 15, Cholame, is approximately 10 AFY and future demand ranges from 150 to 190 AFY. The existing rural demand for WPA 16 is approximately 280 AFY and future demand ranges from 730 to 880 AFY. The majority of existing rural parcels identified in the Inland Sub-Region are classified as developed rural lands. The majority of vacant parcels in these WPAs that could be converted to rural residential in the future are vacant parcels with rural land use designations

Environmental Water Demand

Definitions

Environmental water demand refers to the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes.

Sources

There are six active USGS streamflow gages and 68 inactive USGS streamflow gages in San Luis Obispo County (USGS, 2009). Information on location, site details, drainage, and available data was obtained for all United States Geological Survey (USGS) sites and imported into ArcGIS®. ESA obtained similar information from Sylas Cranor in the San Luis Obispo Water Resources Department for all 16 active gages and inactive gages and imported available information into ArcGIS®.

Method/Assumptions: Environmental Demand

A detailed discussion of the methods for determining the environmental demand is included in **Appendix D**. ESA quantified environmental water demands for areas where data were available and unimpaired runoff data could be obtained, calculated, or estimated. ESA utilized USGS and County existing stream gage data and obtained the critical stream flow data. Unimpaired runoff estimates were calculated by developing regional, multiple regression relationships that predict runoff at an ungaged, or partially gaged, location as a function of runoff at a gaged location. Once the estimated unimpaired runoff has been established, ESA used the median annual discharge methodology to calculate an environmental water demand (Hatfield and Bruce, 2000). ESA selected this method for the environmental demand analysis based on target species, data availability, input from the WRAC and other stakeholders, as well as time and budget constraints.

The DWR has identified over 1,000 water rights applications and permits for San Luis Obispo County (DWR, 2009b). For purposes of this analysis, ESA presents the unimpaired mean annual discharge and environmental water demand without including an analysis of the 1,000 diversion rights in the County. However, ESA includes some of the established instream flow requirements. In order to obtain a better understanding of how much surface water is available for aquatic life, the County would need to identify and quantify all diversion rights and instream flow requirements in the watershed.

Environmental Water Demand by WPA

A detailed discussion of the results of the environmental demand analysis is included in Appendix D. The mean annual discharge and environmental water demand estimates are shown in **Table 9**.

San Simeon Water Planning Area (WPA 1)

The total unimpaired mean annual discharge in WPA 1 is approximately 104,490 AFY and environmental water demand is approximately 72,980 AFY. WPA 1 was divided into eight sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for each of these areas. Some of the creeks included in these sub-watersheds include San Carpoforo, Honda Arroyo, Arroyo de la Cruz, Arroyo de la Laguna, Arroyo del Osos, Arroyo del Corral, Arroyo Laguna, and Pico Creek.

TABLE 9
MEAN ANNUAL DISCHARGE AND ENVIRONMENTAL WATER DEMAND ESTIMATES

WPA #[a]	WPA Name	Estimated Unimpaired Mean Annual Discharge (AFY)	Environmental Water Demand (AFY)
1	San Simeon	104,490	72,980
2	Cambria	87,050	51,460
3	Cayucos	33,340	26,160
4	Morro Bay	43,430	27,880
5	Los Osos	8,200	7,040
6	SLO/Avila	45,820	33,030
7	South Coast	49,100	32,960
8	Huasna Valley	34,220	25,020
12	Santa Margarita	46,630	32,850
13	Atascadero/Templeton	74,090	41,010
16	Nacimiento	251,120[b]	108,390[b]

[a] The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the environmental water demand analysis due to the lack of data and regional physiographic differences.

[b] Estimates for WPA16 environmental water demand include the watershed area for the Nacimiento River Index-station (162 square miles); though the Index-station is within WPA 16, most of the watershed area is not.

Cambria Water Planning Area (WPA 2)

The total unimpaired mean annual discharge in WPA 2 is approximately 87,050 AFY and environmental water demand is approximately 51,460 AFY. WPA 2 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for each of these areas. Creeks in these sub-watersheds include San Simeon, Santa Rosa, and Villa Creek.

Cayucos Water Planning Area (WPA 3)

For WPA 3, the total unimpaired mean annual discharge is approximately 33,340 AFY and environmental water demand is approximately 26,160 AFY. WPA 3 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for each of these areas. Creeks in these sub-watersheds include Cayucos and Toro Creek.

Morro Bay Water Planning Area (WPA 4)

The unimpaired mean annual discharge for WPA 4 is approximately 43,430 AFY and environmental water demand is approximately 27,880 AFY. WPA 4 was divided into two sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. Creeks in these sub-watersheds include Morro and Chorro Creek.

Los Osos Water Planning Area (WPA 5)

The unimpaired mean annual discharge for WPA 5 is approximately 8,200 AFY and environmental water demand is approximately 7,040 AFY. The analysis for WPA 5 analyzed the area as one watershed that includes Los Osos Creek and an area of approximately 23 square miles.

San Luis Obispo/Avila Water Planning Area (WPA 6)

The unimpaired mean annual discharge for WPA 6 is approximately 45,820 AFY and environmental water demand is approximately 33,030 AFY. WPA 6 was divided into four sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The largest creek in these sub-watersheds is San Luis Obispo Creek. San Luis Obispo Creek has an instream flow requirement of a minimum daily average of discharge 2.5 cubic feet per second (cfs), which is equivalent to approximately 1,810 AFY (NOAA, 2005).

South Coast Water Planning Area (WPA 7)

The unimpaired mean annual discharge for WPA 7, inclusive of the water management areas, is approximately 49,100 AFY and environmental water demand of 32,960 AFY. WPA 7 was divided into five sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. Creeks in these sub-watersheds include Pismo and Arroyo Grande Creek. The Arroyo Grande Creek below Lopez Dam has instream flow requirements that vary from less than 3 cfs to 20 cfs (2,170 AFY to 14,480) based on time of year and amount of water in the reservoir (Stetson Engineers, 2004)

Huasna Valley Water Planning Area (WPA 8)

The unimpaired mean annual discharge for WPA 8 inclusive of the water management areas is approximately 34,220 AFY and environmental water demand of 25,020 AFY. WPA 8 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. Some of the creeks in these sub-watersheds included Huasna River and Alamo Creek.

Santa Margarita Water Planning Area (WPA 12)

The unimpaired mean annual discharge for WPA 12 inclusive of the water management areas is approximately 46,630 AFY and environmental water demand of 32,850 AFY. WPA 12 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The Salinas River is the major river in these sub-watersheds.

Atascadero/Templeton Water Planning Area (WPA 13)

The unimpaired mean annual discharge for WPA 13 inclusive of the water management areas is approximately 74,090 AFY and environmental water demand of 41,010 AFY. WPA 13 was divided into two sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The major water bodies in these sub-watersheds include the Salinas River and Paso Robles Creek.

Nacimiento Water Planning Area (WPA 16)

The unimpaired mean annual discharge for WPA 16 inclusive of the water management areas is approximately 251,124 AFY and environmental water demand of 108,390 AFY. WPA 16 was divided into three sub-watersheds and the unimpaired mean annual discharge and environmental water demand was calculated for these sub-watersheds. The major river in these sub-watersheds is the Nacimiento River.

Appendices

Appendix A, San Luis Obispo County Water Demand Analysis Annual Applied Water Variables, technical memorandum, ESA, prepared December 2009.

Appendix B, San Luis Obispo County ArcGIS® LU Methodology Report, San Luis Obispo County, 2009.

Appendix C, San Luis Obispo County Rural Land Use

Appendix D, SLO County MWP, Environmental Water Demand Estimates, technical memorandum, ESA, November 24, 2009.

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DRAFT memorandum

date January 7, 2010

to Courtney Howard, San Luis Obispo County; Water Resources Advisory Committee (WRAC)

from Annika Fain, ESA; Eric Zigas, ESA

subject San Luis Obispo County Annual Crop-Specific Applied Water Variables (Appendix A)

Agricultural Demand

ESA calculated the crop-specific applied water for these crop groups by utilizing information on crop evapotranspiration, effective rainfall, leaching requirements, irrigation efficiency, and frost protection. The following equation was used to calculate the annual crop-specific applied water (AF/Ac/Yr) for each of the water planning areas:

$$\text{Annual Crop - Specific Applied Water (AF/Ac/Yr)} = \frac{\text{ETc} - \text{ER}}{(1 - \text{LR}) \text{ x IE}} + \text{FP}$$

This formula was modified from a general formula for irrigation water requirements, which was established in 1997 (Burt, 1997). A detailed discussion and summary tables of each of the parameters in the above equation is presented below. **Table A1** presents a range of values for the existing annual crop-specific applied water (AF/Ac/Yr) for all crop groups and water planning area. **Table A2** presents a range of values for the projected future crop-specific applied water (AF/Ac/Yr) for all crop groups and water planning area. The annual crop-specific applied water is multiplied by crop acreage to determine an agricultural water demand (AFY). **Table A3** presents a range of values for the agricultural water demand for all crop groups and water planning area. **Table A4** presents a range of values for the agricultural water demand for all crop groups and water planning area.

Reference Crop Evapotranspiration (Eto). Crop evapotranspiration for CIMIS weather stations in San Luis Obispo County and in Kern County (to the east) was used. The CIMIS stations in San Luis Obispo County include two in San Luis Obispo, one in Atascadero, and one in Nipomo. Additionally, Blackwells Corner, in Kern County was used to estimate Eto in Eastern San Luis Obispo County. The water planning areas were grouped according to the reference crop evapotranspiration climate groups (**Table A5**). Due to substantial variability within WPA 7, ESA used an average crop evapotranspiration of Arroyo Grande and Nipomo for this area. A summary of the estimated reference crop evapotranspiration used for the analysis is shown in **Table A6**.

Crop coefficients (Kc). The crops in San Luis Obispo County were assigned crop coefficients based on the crop type and location. These crops include alfalfa, nursery, irrigated pasture, citrus, deciduous, vegetable, and

vineyard. The spreadsheet and ArcGIS® model is set-up so these numbers can be easily updated with new crop coefficients and crop evapotranspiration. The crop coefficients for this analysis are summarized in **Table A7**.

TABLE A1
EXISTING CROP-SPECIFIC APPLIED WATER (AF/AC/YR) BY CROP GROP AND WATER PLANNING AREA

WPA #	WPA Name	Alfalfa (AF/Ac/Yr)			Citrus (AF/Ac/Yr)			Deciduous (AF/Ac/Yr)			Nursery (AF/Ac/Yr)			Pasture (AF/Ac/Yr)			Vegetable (AF/Ac/Yr)[a]			Vineyard (AF/Ac/Yr)		
		Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med
1	San Simeon	1.4	2.5	2.0	0.5	1.2	0.9	1.3	2.2	1.8	0.6	1.5	1.1	1.6	2.7	2.1	1.2	1.4	1.3	0.5	1.0	0.8
2	Cambria	1.4	2.5	2.0	0.5	1.2	0.9	0.9	1.8	1.4	0.6	1.5	1.1	1.6	2.7	2.1	1.0	1.4	1.2	0.0	0.6	0.4
3	Cayucos	1.6	2.7	2.2	0.6	1.4	1.0	1.1	1.9	1.5	0.7	1.6	1.2	1.7	2.9	2.3	1.0	1.4	1.2	0.1	0.7	0.5
4	Morro Bay	2.2	3.3	2.7	1.1	1.8	1.5	1.6	2.4	2.0	1.2	2.0	1.6	2.3	3.4	2.9	1.2	1.7	1.4	0.5	1.0	0.8
5	Los Osos	2.2	3.3	2.7	1.1	1.8	1.5	1.6	2.4	2.0	1.2	2.0	1.6	2.3	3.4	2.9	1.2	1.7	1.4	0.5	1.0	0.8
6	San Luis Obispo/Avila	2.3	3.5	2.9	1.1	1.9	1.5	1.7	2.6	2.1	1.2	2.1	1.7	2.5	3.7	3.1	1.4	1.8	1.6	0.5	1.1	0.8
7	South Coast	2.7	3.9	3.3	1.5	2.2	1.8	2.7	3.7	3.2	1.6	2.4	2.0	2.9	4.1	3.5	1.5	1.9	1.7	0.7	1.3	1.0
8	Huasna Valley	4.8	6.4	5.6	2.5	3.4	3.0	4.2	5.4	4.8	2.6	3.7	3.1	4.8	6.5	5.7	2.0	2.6	2.3	1.8	2.6	2.2
9	Cuyama Valley	4.8	6.4	5.6	2.5	3.4	3.0	3.8	5.0	4.4	2.6	3.7	3.1	4.8	6.5	5.7	2.0	2.6	2.3	1.8	2.6	2.2
10	Carrizo Plain	5.1	6.7	5.9	2.8	3.6	3.2	4.1	5.3	4.7	2.9	3.9	3.4	5.2	6.8	6.0	2.1	2.7	2.4	2.0	2.7	2.4
11	Rafael/Big Spring	4.8	6.4	5.6	2.5	3.4	3.0	3.8	5.0	4.4	2.6	3.7	3.1	4.8	6.5	5.7	2.0	2.6	2.3	1.8	2.6	2.2
12	Santa Margarita	3.2	4.5	3.9	1.4	2.2	1.8	2.5	3.5	3.0	1.5	2.4	2.0	4.8	6.5	5.7	1.4	1.9	1.6	1.1	1.8	1.4
13	Atascadero/Templeton	3.2	4.5	3.9	1.4	2.2	1.8	2.5	3.5	3.0	1.5	2.4	2.0	4.8	6.5	5.7	1.4	1.9	1.6	1.1	1.8	1.4
14	Salinas/Estrella	3.8	5.2	4.5	1.9	2.7	2.3	3.4	4.5	4.0	2.0	2.9	2.5	5.2	6.8	6.0	1.6	2.2	1.9	1.4	2.1	1.7
15	Cholame Valley	4.9	6.5	5.7	2.5	3.3	2.9	3.9	5.1	4.5	2.6	3.6	3.1	4.8	6.5	5.7	1.9	2.4	2.1	2.0	2.7	2.3
16	Nacimiento	3.2	4.5	3.9	1.4	2.2	1.8	2.5	3.5	3.0	1.5	2.4	2.0	3.3	4.6	3.9	1.4	1.9	1.6	1.1	1.8	1.4

[a] Accounts for multi-cropping (assumes 3 vegetable crops planted per acre per year for WPA 1-7; assumes 2 vegetable crops planted per acre per year for WPA 8-16)

TABLE A2
PROJECT FUTURE CROP-SPECIFIC APPLIED WATER (AF/AC/YR) BY CROP GROP AND WATER PLANNING AREA

WPA #	WPA Name	Alfalfa (AF/Ac/Yr)			Citrus (AF/Ac/Yr)			Deciduous (AF/Ac/Yr)			Nursery (AF/Ac/Yr)			Pasture (AF/Ac/Yr)			Vegetable (AF/Ac/Yr)[a]			Vineyard (AF/Ac/Yr)		
		Low	High	Med	Low	High	Med	Low	Low	High	Med	Low	High	Med	Low	Low	High	Med	Low	High	Med	Low
1	San Simeon	1.3	2.4	1.8	0.5	1.2	0.8	1.3	2.1	1.7	0.6	1.4	1.0	1.5	2.5	2.0	0.9	1.3	1.1	0.0	0.6	0.3
2	Cambria	1.3	2.4	1.8	0.5	1.2	0.8	0.9	1.7	1.3	0.6	1.4	1.0	1.5	2.5	2.0	0.9	1.3	1.1	0.0	0.6	0.3
3	Cayucos	1.5	2.5	2.0	0.6	1.3	0.9	1.0	1.8	1.4	0.7	1.5	1.1	1.6	2.6	2.1	1.0	1.3	1.2	0.2	0.7	0.4
4	Morro Bay	2.1	3.0	2.5	1.1	1.7	1.4	1.5	2.2	1.9	1.1	1.9	1.5	2.2	3.2	2.7	1.2	1.5	1.4	0.5	1.0	0.7
5	Los Osos	2.1	3.0	2.5	1.1	1.7	1.4	1.5	2.2	1.9	1.1	1.9	1.5	2.2	3.2	2.7	1.2	1.5	1.4	0.5	1.0	0.7
6	San Luis Obispo/Avila	2.2	3.2	2.7	1.0	1.7	1.4	1.6	2.4	2.0	1.1	2.0	1.5	2.3	3.4	2.9	1.3	1.7	1.5	0.5	1.0	0.7
7	South Coast	2.6	3.6	3.1	1.4	2.1	1.7	2.6	3.5	3.1	1.5	2.3	1.9	2.7	3.8	3.3	1.4	1.8	1.6	0.7	1.2	0.9
8	Huasna Valley	4.6	6.1	5.3	2.4	3.3	2.8	4.1	5.2	4.6	2.5	3.5	3.0	4.6	6.1	5.4	1.9	2.5	2.2	1.7	2.5	2.1
9	Cuyama Valley	4.6	6.1	5.3	2.4	3.3	2.8	3.7	4.8	4.2	2.5	3.5	3.0	4.6	6.1	5.4	1.9	2.5	2.2	1.7	2.5	2.1
10	Carrizo Plain	4.9	6.3	5.6	2.7	3.5	3.1	4.0	5.0	4.5	2.7	3.7	3.2	4.9	6.4	5.7	2.1	2.6	2.3	2.0	2.6	2.3
11	Rafael/Big Spring	4.6	6.1	5.3	2.4	3.3	2.8	3.7	4.8	4.2	2.5	3.5	3.0	4.6	6.1	5.4	1.9	2.5	2.2	1.7	2.5	2.1
12	Santa Margarita	3.1	4.3	3.7	1.4	2.1	1.7	2.4	3.4	2.9	1.5	2.3	1.9	3.1	4.3	3.7	1.3	1.8	1.6	1.1	1.7	1.4
13	Atascadero/Templeton	3.1	4.3	3.7	1.4	2.1	1.7	2.4	3.4	2.9	1.5	2.3	1.9	3.1	4.3	3.7	1.3	1.8	1.6	1.1	1.7	1.4
14	Salinas/Estrella	3.7	4.9	4.3	1.8	2.6	2.2	3.3	4.3	3.8	1.9	2.8	2.3	3.7	5.0	4.3	1.6	2.1	1.8	1.4	2.0	1.7
15	Cholame Valley	4.7	6.1	5.4	2.4	3.2	2.8	3.8	4.9	4.4	2.5	3.4	2.9	4.8	6.2	5.5	1.8	2.3	2.0	1.9	2.6	2.2
16	Nacimiento	3.1	4.3	3.7	1.4	2.1	1.7	2.4	3.4	2.9	1.5	2.3	1.9	3.1	4.3	3.7	1.3	1.8	1.6	1.1	1.7	1.4

[a] Accounts for multi-cropping (assumes 3 vegetable crops planted per acre per year for WPA 1-7; assumes 2 vegetable crops planted per acre per year for WPA 8-16)

TABLE A3
EXISTING AGRICULTURAL WATER DEMAND (AFY) BY CROP GROP AND WATER PLANNING AREA

WPA #	WPA Name	Alfalfa (AFY)			Citrus (AFY)			Deciduous (AFY)			Nursery (AFY)			Pasture (AFY)			Vegetable (AFY)[a]			Vineyard (AFY)		
		Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med
1	San Simeon	0	0	0	9	24	17	0	0	0	0	0	0	0	0	0	0	0	0	33	65	49
2	Cambria	0	0	0	165	424	295	24	47	36	1	2	2	0	0	0	248	343	295	3	30	17
3	Cayucos	0	0	0	220	471	345	0	0	0	0	0	0	0	0	0	146	198	172	1	4	2
4	Morro Bay	0	0	0	753	1,206	979	0	0	0	0	0	0	82	120	101	796	1,038	917	43	81	62
5	Los Osos	0	0	0	0	0	0	6	8	7	125	209	167	1,176	1,725	1,451	1,444	1,883	1,664	1	1	1
6	San Luis Obispo/Avila	0	0	0	241	408	324	304	466	385	48	85	67	515	773	644	1,512	1,991	1,752	279	594	436
7[b]	South Coast	0	0	0	5,892	8,886	7,389	68	89	78	324	510	417	1,539	2,190	1,864	5,974	7,718	6,846	2,458	4,192	3,325
8	Huasna Valley	0	0	0	48	65	56	18	23	20	0	0	0	0	0	0	392	508	450	845	1,206	1,026
9	Cuyama Valley	0	0	0	0	0	0	2,448	3,236	2,842	0	0	0	0	0	0	22,287	28,861	25,574	377	538	457
10	Carrizo Plain	0	0	0	693	911	802	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Rafael/Big Spring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Santa Margarita	48	68	58	0	0	0	18	25	21	0	0	0	266	358	312	0	0	0	1,055	1,709	1,382
13	Atascadero/Templeton	0	0	0	46	70	58	1,799	2,516	2,158	123	194	159	2,851	3,827	3,339	28	38	33	3,718	6,026	4,872
14	Salinas/Estrella	3,053	4,182	3,617	607	859	733	1,981	2,672	2,327	151	223	187	7,447	9,770	8,609	4,160	5,463	4,812	38,080	56,562	47,321
15	Cholame Valley	0	0	0	65	87	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Nacimiento	0	0	0	65	99	82	1,970	2,755	2,362	0	0	0	33	46	39	0	0	0	1,054	1,709	1,381
Total		**3,101**	**4,250**	**3,676**	**8,804**	**13,509**	**11,157**	**8,636**	**11,837**	**10,237**	**773**	**1,224**	**998**	**13,908**	**18,808**	**16,358**	**36,988**	**48,043**	**42,515**	**47,946**	**72,716**	**60,331**

[a] Accounts for multi-cropping (assumes 3 vegetable crops planted per acre per year for WPA 1-7; assumes 2 vegetable crops planted per acre per year for WPA 8-16)

[b] The agricultural demand for WPA 7 in this table only includes areas outside of the NCMA, NMMA, and SMVMA.

TABLE A4
PROJECT FUTURE AGRICULTURAL WATER DEMAND (AFY) BY CROP GROP AND WATER PLANNING AREA

WPA #	WPA Name	Alfalfa (AFY)			Citrus (AFY)			Deciduous (AFY)			Nursery (AFY)			Pasture (AFY)			Vegetable (AFY)[a]			Vineyard (AFY)		
		Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med	Low	High	Med
1	San Simeon	0	0	0	9	22	16	0	0	0	0	0	0	0	0	0	0	0	0	5	42	23
2	Cambria	0	0	0	185	472	329	25	47	36	1	2	1	0	0	0	493	672	582	35	298	166
3	Cayucos	0	0	0	288	608	448	0	0	0	0	0	0	0	0	0	139	187	163	3	10	6
4	Morro Bay	0	0	0	764	1,208	986	0	0	0	0	0	0	76	110	93	797	1,027	912	52	96	74
5	Los Osos	0	0	0	22	35	29	5	8	7	117	193	155	1,103	1,592	1,347	1,502	1,937	1,720	1	1	1
6	San Luis Obispo/Avila	0	0	0	233	390	311	287	435	361	45	78	62	483	713	598	1,490	1,939	1,715	272	567	420
7[b]	South Coast	0	0	0	5,606	8,355	6,981	121	155	138	304	471	388	1,914	2,681	2,297	5,899	7,531	6,715	2,767	4,638	3,703
8	Huasna Valley	0	0	0	46	62	54	17	22	20	9	13	11	448	592	520	379	485	432	1,166	1,644	1,405
9	Cuyama Valley	0	0	0	0	0	0	2,366	3,090	2,728	0	0	0	0	0	0	22,506	28,802	25,654	366	516	441
10	Carrizo Plain	0	0	0	672	872	772	4	5	5	0	0	0	0	0	0	7	9	8	0	0	0
11	Rafael/Big Spring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Santa Margarita	46	64	55	5	8	7	21	29	25	0	0	0	296	410	353	0	0	0	1,356	2,169	1,762
13	Atascadero/Templeton	0	0	0	75	113	94	1,898	2,624	2,261	118	183	151	2,539	3,515	3,027	74	99	87	5,040	8,062	6,551
14	Salinas/Estrella	2,925	3,946	3,436	700	978	839	2,569	3,423	2,996	150	217	183	6,969	9,366	8,167	4,060	5,270	4,665	43,365	63,625	53,495
15	Cholame Valley	0	0	0	63	83	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Nacimiento	0	0	0	66	99	83	2,064	2,853	2,459	0	0	0	31	43	37	0	0	0	2,577	4,122	3,350
	Total	**2,972**	**4,011**	**3,491**	**8,733**	**13,306**	**11,020**	**9,376**	**12,690**	**11,033**	**744**	**1,158**	**951**	**13,858**	**19,024**	**16,441**	**37,346**	**47,957**	**42,652**	**57,005**	**85,790**	**71,397**

[a] Accounts for multi-cropping (assumes 3 vegetable crops planted per acre per year for WPA 1-7; assumes 2 vegetable crops planted per acre per year for WPA 8-16)
[b] The agricultural demand for WPA 7 in this table only includes areas outside of the NCMA, NMMA, and SMVMA.

TABLE A5
CLIMATE GROUP FOR CROP EVAPOTRANSPIRATION BY WPA

WPA#	WPA	Assigned Climate Group
1	San Simeon	San Simeon
2	Cambria	San Simeon
3	Cayucos	San Simeon
4	Morro Bay	Morro Bay
5	Los Osos	Morro Bay
6	San Luis Obispo/Avila	San Luis Obispo
7	South Coast	Arroyo Grande/Nipomo
8	Huasna Valley	Cuyama
9	Cuyama Valley	Cuyama
10	Carrizo Plain	Cuyama
11	Rafael/Big Spring	Cuyama
12	Santa Margarita	Atascadero
13	Atascadero/Templeton	Atascadero
14	Salinas/Estrella	Paso Robles
15	Cholame Valley	Blackwells Corner
16	Nacimiento	Atascadero

[a] Climate Groups were determined by looking at available Eto by WPA

TABLE A6
REFERENCE CROP EVAPOTRANSPIRATION (inches/month)[a]

Month	Arroyo Grande	Blackwells Corner	Morro Bay	Paso Robles	San Luis Obispo	San Simeon	Nipomo	Atascadero	Cuyama
January	2.0	1.4	2.0	1.6	2.0	2.0	2.2	1.2	2.1
February	2.2	2.1	2.2	2.0	2.2	2.0	2.5	1.5	2.4
March	3.2	3.8	3.1	3.2	3.2	2.9	3.8	2.8	3.8
April	3.8	5.4	3.5	4.3	4.1	3.5	5.1	3.9	5.4
May	4.3	7	4.3	5.5	4.9	4.2	5.7	4.5	6.9
June	4.7	7.8	4.5	6.3	5.3	4.4	6.2	6	7.9
July	4.3	8.5	4.6	7.3	4.6	4.6	6.4	6.7	8.5
August	4.6	7.7	4.6	6.7	5.5	4.3	6.1	6.2	7.7
September	3.6	5.8	3.8	5.1	4.4	3.5	4.9	5	5.9
October	3.2	3.9	3.5	3.7	3.5	3.1	4.1	3.2	4.5
November	2.4	1.9	2.1	2.1	2.4	2.0	2.9	1.7	2.6
December	1.7	1.2	1.7	1.4	1.7	1.7	2.3	1	2
Total (in/yr)	40.0	56.5	39.9	49.2	43.8	38.2	52.2	43.7	59.7

[a] The ETo values in this table were derived from: CIMIS, 2009; DWR, 1999; University of California, 1987; Snyder et al., 1987

TABLE A7
CROP COEFFICIENTS FOR EACH CROP GROUP

Month	Alfalfa	Citrus	Deciduous	Nursery	Pasture	Vegetables	Vineyard
January	0.00	0.56	0.00	0.50	0.00	0.00	0.00
February	0.00	0.56	0.00	0.50	0.00	0.00	0.00
March	0.90	0.56	0.60	0.50	1.00	0.00	0.00
April	0.90	0.56	0.70	0.50	1.00	0.00	0.00
May	0.90	0.56	0.80	0.50	1.00	0.00	0.60
June	0.90	0.56	0.90	0.50	1.00	0.00	0.70
July	1.00	0.56	1.00	0.50	1.00	0.00	0.60
August	1.00	0.56	1.00	0.50	1.00	1.00	0.50
September	1.10	0.56	0.90	0.50	1.00	1.00	0.30
October	1.00	0.56	0.80	0.50	1.00	1.00	0.10
November	0.00	0.56	0.00	0.50	0.00	1.00	0.00
December	0.00	0.56	0.00	0.50	0.00	1.00	0.00

[a] Adapted from DWR 113-3 (DWR, 1974), UC Leaflet 21427 (Snyder et al., 1989a), UC Leaflet 21428 (Snyder et al., 1989b)

Crop Evapotranspiration (Etc). Crop evapotranspiration was calculated by multiplying the reference evapotranspiration and for each agricultural crop and area. Annual Crop evapotranspiration (AF/Ac/Yr) for each crop group and WPA is summarized in **Table A8**.

TABLE A8
ANNUAL CROP EVAPOTRANSPIRATION [a] (AF/Ac/Yr)
FOR EACH CROP GROUP AND WPA

WPA #	WPA Name	Alfalfa	Citrus	Deciduous	Nursery	Pasture	Vegetable	Vineyard
1	San Simeon	2.4	1.8	2.2	1.6	2.5	1.2	1.0
2	Cambria	2.4	1.8	2.2	1.6	2.5	1.2	1.0
3	Cayucos	2.4	1.8	2.2	1.6	2.5	1.2	1.0
4	Morro Bay	2.6	1.9	2.3	1.7	2.7	1.3	1.0
5	Los Osos	2.6	1.9	2.3	1.7	2.7	1.3	1.0
6	San Luis Obipso/Avila	2.8	2.0	2.5	1.8	3.0	1.5	1.2
7	South Coast	3.0	2.2	2.6	1.9	3.1	1.5	1.2
8	Huasna Valley	4.1	2.8	3.7	2.5	4.2	1.9	1.7
9	Cuyama Valley	4.1	2.8	3.7	2.5	4.2	1.9	1.7
10	Carrizo Plain	4.1	2.8	3.7	2.5	4.2	1.9	1.7
11	Rafael/Big Spring	4.1	2.8	3.7	2.5	4.2	1.9	1.7
12	Santa Margarita	3.1	2.0	2.8	1.8	3.2	1.4	1.3
13	Atascadero/Templeton	3.1	2.0	2.8	1.8	3.2	1.4	1.3
14	Salinas/Estrella	3.4	2.3	3.0	2.1	3.5	1.6	1.4
15	Cholame Valley	4.0	2.6	3.6	2.4	4.2	1.7	1.7
16	Nacimiento	3.1	2.0	2.8	1.8	3.2	1.4	1.3

[a] Crop evapotranspiration is equal to the product of crop coefficients and reference crop evapotranspiration

Effective Rainfall (ER). The effective rainfall was calculated for each area by utilizing historical annual precipitation in San Luis Obispo County and effective precipitation based on crop type and water planning area.

The historical yearly precipitation gages that were used for the water demand analysis are listed in **Table A9**. The rainfall from each of these gages was assigned to a particular water planning area. Due to substantial variability

TABLE A9
SAN LUIS OBISPO COUNTY RAINFALL STATIONS USED FOR ANALYSIS

Rainfall Station	Average (Inches/Yr)	County Gage #	Record
Santa Rosa Creek	27.5	169	1964-2003
Cayucos Creek	24.8	173.1	1965-2003
Baywood Park/Camp SLO	18.2	177/224	1967-2003
CalPoly	22.2	1	1870-2003
Lopez Dam	19.6	178.1	1968-2003
Nipomo	16.6	38	1921-2003
Santa Maria Valley	15.3	23	1910-2003
Paso Robles	15.2	10	1887-2003
AMWC	17.4	34	1916-2003
Santa Margarita	24.3	9a	1972-2003
Carrizo Plain	10.9	151.2	1966-2003
White Ranch	12.3	93	1931-2008
Oceano CSA #13	16.1	157.1	1959-2006

SOURCE: San Luis Obispo County, 2005 & 2009 http://www.slocountywater.org/site/Water%20Resources/Data/maps/data.htm

within WPA 7, ESA used an average precipitation of Nipomo and Lopez Dam gages for this area. **Table A10** lists the range of effective rainfall percentage for each crop group.

TABLE A10
EFFECTIVE RAINFALL PERCENTAGE FOR EACH CROP GROUP[a]

Range	Alfalfa	Citrus	Deciduous	Nursery	Pasture	Vegetable[b]	Vineyard
Low	40%	40%	40%	30%	40%	15%	30%
High	60%	60%	60%	50%	60%	25%	50%

[a] Effective rainfall general ranges from 29% to 59% (Burt et al., 2002)
[b] Accounts for multi-cropping by reducing vegetable effective rainfall in half.

Frost Protection (FP). The sprinkler frost protection water requirement was estimated for grapes (throughout the County), as well as strawberries and blueberries (WPA 1, 7, 8, and 14). For vineyards, the frost threat occurs from March to April in San Luis Obispo County. For strawberries and blueberries in San Luis Obispo County, primarily in WPA 7 and 14, respectively the frost threat occurs from January to March. Sprinkler frost protection requires a large amount of water, which may be higher than a typical groundwater well can produce (Battany, 2009). Therefore, growers that use sprinkler frost protection will generally have large reservoirs on site or nearby. The frost protection values ESA used were 0.25 AF/Ac/Yr for vineyards throughout the County and 0.4 AF/Ac/Yr for strawberries and blueberries in WPA 1, 7, 8, and 14. This was based on information provided by the

UC Farm Advisors and input from the WRAC and other agricultural stakeholders. Details on how the numbers were determined for vineyards and strawberry frost protection are shown below.

Grapes

Sprinkler frost protection on vineyards will only occur where growers have access to a large reservoir onsite or nearby (Battany, 2009). Overhead sprinklers may operate from 4-6 hours per evening for 10-12 nights per year (San Luis Obispo County, 1998). System flow rates generally range from 40 to 50 gallons per minute per acre (gpm/Ac), 0.09 inches per hour (in/hr) and 0.11 in/hr, respectively. **Table A11** shows an example of yearly applied water for frost protection on a vineyard depending on minutes of runtime and a system flow rate of 50 gpm/Ac. To determine the percentage of acreage that uses sprinkler frost protection would require a detailed look at all vineyards on aerial photography and/or discussions with all vineyard owners. The amount of frost protection on vineyards varies from year to year and farm to farm. For purposes of this analysis, ESA has assumed that approximately 50% of the vineyards use frost protection. Therefore, ESA used 0.25 AF/Ac/Yr for frost protection on grapes throughout the County.

TABLE A11
RANGE OF ANNUAL APPLIED WATER FOR FROST PROTECTION ON A TYPICAL VINEYARD (AF/AC/YR)

Hours per night	Nights per year	Annual Applied Water (AF/Ac/Yr)
4	10	0.34
	11	0.38
	12	0.41
5	10	0.43
	11	0.47
	12	0.52
6	10	0.52
	11	0.57
	12	0.62

SOURCE: San Luis Obispo County, 1998

Strawberries and Blueberries

The amount of frost protection on strawberries varies from year to year and farm to farm. Sprinklers typically operate for 6 to 10 hours a night for 8-12 nights per year (San Luis Obispo County, 1998). System flow rates for frost protection of strawberries are approximately 45 gpm/Ac (0.10 in/hr). **Table A12** shows an example of yearly applied water for frost protection on strawberries depending on minutes of runtime and a system flow rate of 45 gpm/Ac. For purposes of the agricultural water demand analysis, strawberries and blueberries are grouped in the deciduous group. To account for the frost protection of strawberries and blueberries on some of the crops, 0.4 AF/Ac/Yr was added to the deciduous crop in WPA 1, 7, 8, and 14.

TABLE A12
RANGE OF ANNUAL APPLIED WATER FOR FROST PROTECTION ON STRAWBERRIES (AF/AC/YR)

Hours per night	Nights per year	Annual Applied Water (AF/Ac/Yr)
6	8	0.48
	10	0.60
	12	0.72
8	8	0.64
	10	0.80
	12	0.96
10	8	0.80
	10	1.00
	12	1.20

SOURCE: San Luis Obispo County, 1998

Leaching Requirements (LR). Leaching requirements, amount of over watering necessary to remove salts from the soil, were assumed to be satisfied by rainfall in the majority of the coastal areas (WPA 1 to WPA 6). Leaching requirements for the Paso Robles Basin were presented by Fugro and Cleath (2002). ESA used these estimates, approximately 5 percent to 16 percent, to identify existing LR for inland areas. **Table A12** includes the leaching requirement percentage used for crop groups located in inland WPAs (WPA 8-16). Mark Gaskell, UC Farm Advisor, stated that strawberries may have a leaching requirement of 10 to 20 percent (Gaskell, 2009). Therefore, ESA used a leaching requirement of 11 percent for existing demand in WPA 7. The future leaching requirements may be greater based on a build-up of salts in the soil (Battany, 2008; Gaskell, 2009). Therefore, the future leaching requirements were assumed to be 1 to 2 percent higher than existing leaching requirements.

TABLE A12
LEACHING REQUIREMENTS FOR INLAND AREAS IN SAN LUIS OBISPO COUNTY

	Leaching Requirements (%)	
Crop Group	Existing	Future
Alfalfa	8%	10%
Nursery	5%	7%
Pasture	8%	10%
Citrus	5%	7%
Deciduous	11%	13%
Vegetable	8%	10%
Vineyard	16%	18%

SOURCE: Existing leaching requirements were adapted from Fugro and Cleath, 2002 (Table 13)

Irrigation Efficiencies (IE). Irrigation efficiencies were calculated by utilizing distribution uniformity and losses provided by the San Luis Obispo County/Santa Barbara County Cachuma Resource Conservation District

(CRCD), San Luis Obispo County Coastal Resources Conservation District, vineyard owners, and recent studies. Additionally, ESA incorporated input from the WRAC and other agricultural stakeholders.

Higher irrigation efficiencies depend primarily on improving system distribution uniformity, decreasing surface losses, and reducing scheduling errors. Irrigation efficiencies are difficult to measure and are often estimated according to the system type, special practices, and distribution uniformities. Micro irrigation systems include micro-sprinklers, drip emitters, and drip tape. Micro systems tend to have higher irrigation efficiencies than sprinkler systems (**Table A13**). Regardless, there is a range between potential and actual performances of irrigation systems.

TABLE A13
ESTIMATED IRRIGATION EFFICIENCY RANGES BASED ON SYSTEM TYPE

	Estimated Irrigation Efficiency (IE) (%)		
Irrigation System Type	**Maximum Potential IE (includes excellent design and excellent management)**	**Average IE (includes excellent design and average management)**	**Low IE (includes average design and below average management)**
Sprinkler	80-85	75	50-60
Micro	90-95	85	60-70

SOURCE: Peterson, 2009a

Local farm advisors were contacted regarding the types of irrigation systems on crop groups. **Table A14** summarizes the type of irrigation systems used on specific crops. In 1998 MWP, the majority of vegetables were irrigated with surface systems. Over the last 10 years, surface irrigation systems have been converted to micro and sprinkler irrigation systems (Peterson, 2009a).

TABLE A14
ESTIMATES OF CURRENT IRRIGATION SYSTEM TYPES BY CROP GROUP

	Percentage of Acreage with Irrigation System Type (%)		
Crop Group	**Surface**	**Sprinkler**	**Micro**
Alfalfa	0	100	0
Citrus (permanent)	0	20	80
Deciduous (permanent)	0	20	80
Nursery	0	50	50
Pasture	0	100	0
Permanent	0	20	80
Vegetable	0	40	60
Vineyard	0	0	100

[a] Acreage was placed in a particular category according to the system they use most of the season.

SOURCE: Peterson, 2009b

Although measuring irrigation efficiency is difficult, a system's distribution uniformity can be quantified and measured in the field. The relationship between distribution uniformity and irrigation efficiency can be expressed as follows:

Irrigation Efficiency=Distribution Uniformity x (1-Losses)

The CRCD conducts irrigation evaluations with the Mobile Irrigation Lab. The CRCD has completed more than 325 evaluations related to irrigation efficiencies throughout San Luis Obispo and Santa Barbara Counties. The irrigation specialists provided estimates presented in Table A9 and Table A10, as well as information on distribution uniformity. Recent evaluations have shown that the distribution uniformity is approximately 75%, which is 5% higher than in 1998 (Peterson, 2009a). This change is primarily due to the change from surface to micro and sprinkler systems.

The sprinkler systems are associated with distribution uniformities of approximately 75% and micro systems are associated with distribution uniformities of 85%. For the purposes of estimating applied water, irrigation efficiencies were assigned to crop group according to the primary irrigation system type. **Table A15** includes existing irrigation efficiencies for crop groups**.** Irrigation efficiencies are likely to continue to improve in the future, due to improvements in equipment, economic pressure (increased electricity costs if groundwater levels decline), or have economic incentives (Isensee, 2009). **Table A16** includes projected future irrigation efficiencies for crop groups.

TABLE A15
EXISTING IRRIGATION EFFICIENCIES FOR CROP GROUPS

	Existing Irrigation Efficiency Range (%)	
Crop Group	**Low**	**High**
Alfalfa	60%	75%
Nursery	60%	75%
Pasture	60%	75%
Citrus & Deciduous	70%	85%
Vegetable	70%	85%
Vineyard	70%	85%

SOURCE: Peterson, 2009a and 2009b

TABLE A16
FUTURE PROJECTED IRRIGATION EFFICIENCIES FOR CROP GROUPS

	Projected Future Irrigation Efficiency Range (%)	
Crop Group	**Low**	**High**
Alfalfa	65%	80%
Nursery	65%	80%
Pasture	65%	80%
Citrus & Deciduous	75%	90%
Vegetable	75%	90%
Vineyard	75%	90%

SOURCE: Peterson, 2009a and 2009b

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Master Water Plan Project
Part 1: Methodology for Determining Vacant and Developed Properties

Intro - The assessor's GIS parcel database consists of 122895 individual APNs. Each APN record is populated with information indicating ownership, an abbreviated legal description (LEGAL), land value (LAND), improvement value (IMPS), home owner's exemption (HOX), land use codes* (PRIM_LUC, LUC_1, LUC_2, LUC_3), etc. A "Status" field was added to the GIS parcel database to designate whether a property is either developed or vacant or within city limits.

Step 1: Select all parcels that are within city limits and designate status as "City" (total APNs = 56594).

Step 2: Select (from the remaining parcels - 66301) all parcels that have a home owner's exemption and designate status as "Developed LUCode – HOX Res" (total APNs = 20879).

Step 3: Select parcels (from the remaining parcels - 45422) that have an improvement value of less than $1000 and designate status as "Vacant <= 1000 IMP" (total APNs = 25519).

Step 4: From the parcels selected above (Vacant <= 1000 IMP) all parcels with a PRIM_LUC indicating: common area, church, government, greenhouse, public trns facility, school, sludge site, utility, winery (121, 580, 636, 637, 802, 810, 820, 850 – 861 or legal field indicates "road") were selected and viewed using aerial photography to determine status. Note: Properties with the PRIM_LUC's indicated above have improvements often not assessed because of tax status. Additional review was required in order to determine whether or not properties were developed or vacant and status designated as "Vacant <= 1000 IMP" or "Developed <= 1000 IMP " and land use code type where applicable or "Military Base" or "Road" or "Lake" (total APNs = 2282).

Step 5: Select parcels (from the remaining parcels - 19903) that have land use codes indicating development types consistent with residential, commercial, industrial, manufacturing, motel, office, retail, etc. (i.e., 110 – 415, 421, 422, 423, 424, 425, 427, 428, 435, 440, 509, 511, 512, 515, 520, 522, 536) and that also have improvement values greater than 20,000. Designate status as "Developed LUCode" and land use code type where applicable (total APNs = 16425).

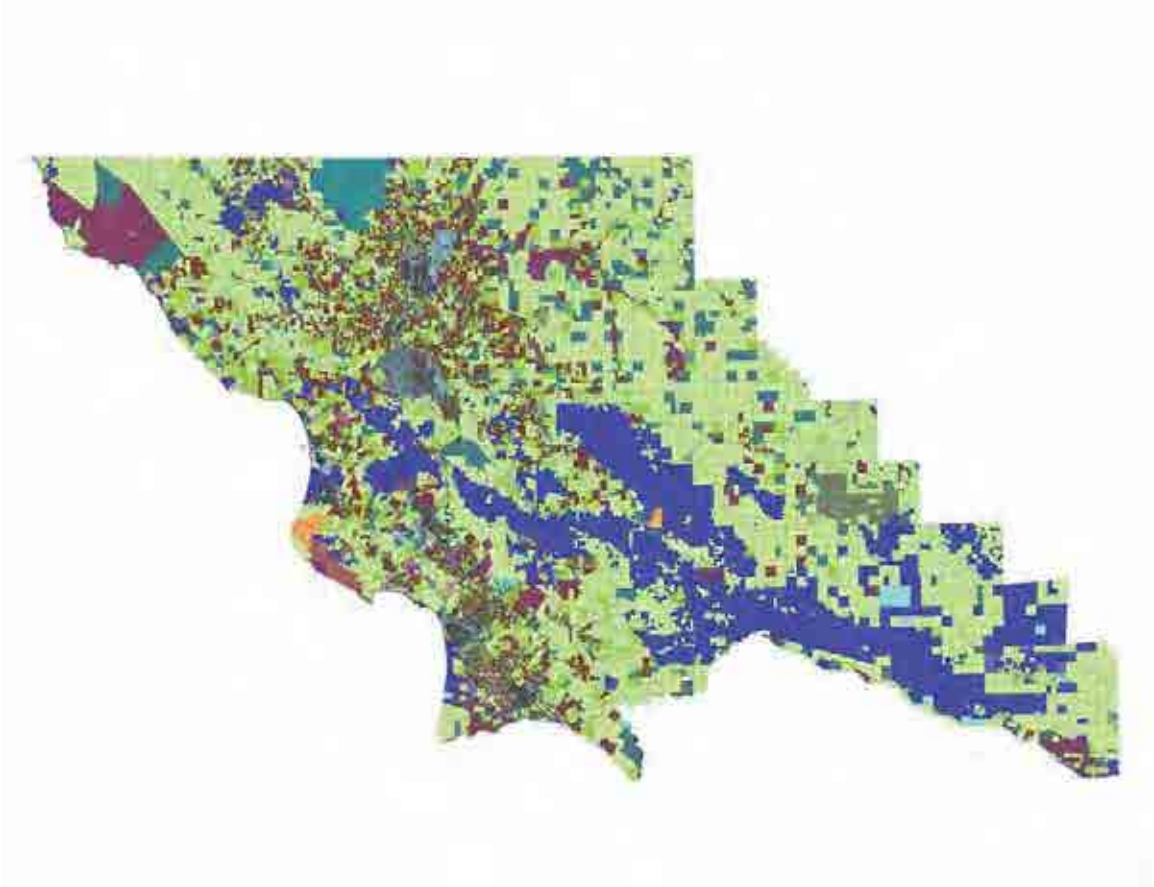
Step 6: Select parcels (from the remaining parcels 3475) that have an improvement value of more than $1000 and less than $20,000 and designate as "Vacant Aerial <= 20000 IMP" or "Developed Aerial <= 20000 IMP" and land use code type where applicable (total APNs = 1965).

Step 7: The remaining parcels (1513) have an improvement value ranging from 20228 – 7903723 and the PRIM_LUC indicates use other than residential. All parcels zoned as RMF, RSF, RS, RR and RL were viewed using aerial photography and determined to be either "Vacant Aerial" or "Developed Aerial" and land use code type where applicable (total APNs = 536).

Step 8: The remaining 977 parcels were sorted by land use category. All parcels zoned AG were viewed using aerial photography and designated status as “Vacant Aerial” or “Developed Aerial” and land use code type where applicable (total APNs = 890).

Step 9: The remaining 87 parcels, which have a zoning other than Residential or Agriculture and have an improvement value greater than $20,000 were viewed individually and status designated as “Vacant Aerial” or “Developed Aerial” and land use code type where applicable.

> * The assessor land use codes have been found to contain inconsistencies, errors and omissions. While it is impractical to view each parcel individually to verify which are developed or vacant, many parcels were viewed individually using the aerial photography to determine status.



Parcels

Status

- City
- Developed <= 1000 IMP - Airport Facility
- Developed <= 1000 IMP - Campground
- Developed <= 1000 IMP - Cemetery
- Developed <= 1000 IMP - Church
- Developed <= 1000 IMP - Dam
- Developed <= 1000 IMP - Drainage
- Developed <= 1000 IMP - Fire Dept
- Developed <= 1000 IMP - Govt Building
- Developed <= 1000 IMP - Greenhouse
- Developed <= 1000 IMP - Library
- Developed <= 1000 IMP - Lighthouse
- Developed <= 1000 IMP - Medical Facility
- Developed <= 1000 IMP - Nuclear Power Plant
- Developed <= 1000 IMP - Park
- Developed <= 1000 IMP - Parking Lot
- Developed <= 1000 IMP - Prison
- Developed <= 1000 IMP - Radar Site
- Developed <= 1000 IMP - Railroad
- Developed <= 1000 IMP - Recreation
- Developed <= 1000 IMP - Res
- Developed <= 1000 IMP - Reservoir
- Developed <= 1000 IMP - Road
- Developed <= 1000 IMP - School
- Developed <= 1000 IMP - Sewer
- Developed <= 1000 IMP - Sludge Site
- Developed <= 1000 IMP - Student Res
- Developed <= 1000 IMP - Utility
- Developed <= 1000 IMP - Water Facility
- Developed <= 1000 IMP - Water Pump
- Developed <= 1000 IMP - Water Tank
- Developed <= 1000 IMP - Well
- Developed <= 1000 IMP - Winery
- Developed Aerial - Campground
- Developed Aerial - Church
- Developed Aerial - Comm/Industrial
- Developed Aerial - Fire Dept
- Developed Aerial - Golf
- Developed Aerial - Government
- Developed Aerial - Govt Building
- Developed Aerial - Greenhouse
- Developed Aerial - Mining
- Developed Aerial - Oil Facility
- Developed Aerial - Parking Lot
- Developed Aerial - Post Office
- Developed Aerial - Recreation
- Developed Aerial - Res
- Developed Aerial - School
- Developed Aerial - Utility
- Developed Aerial - Water Company
- Developed Aerial <= 20000 IMP - Automotive
- Developed Aerial <= 20000 IMP - Campground
- Developed Aerial <= 20000 IMP - Church
- Developed Aerial <= 20000 IMP - Comm/Industrial
- Developed Aerial <= 20000 IMP - Dam
- Developed Aerial <= 20000 IMP - Food Service
- Developed Aerial <= 20000 IMP - Golf
- Developed Aerial <= 20000 IMP - Greenhouse
- Developed Aerial <= 20000 IMP - MH Park
- Developed Aerial <= 20000 IMP - Manufacturing
- Developed Aerial <= 20000 IMP - Meeting Hall
- Developed Aerial <= 20000 IMP - Motel
- Developed Aerial <= 20000 IMP - Office
- Developed Aerial <= 20000 IMP - Oil Facility
- Developed Aerial <= 20000 IMP - Park
- Developed Aerial <= 20000 IMP - Parking Lot
- Developed Aerial <= 20000 IMP - Res
- Developed Aerial <= 20000 IMP - Retail
- Developed Aerial <= 20000 IMP - Road
- Developed Aerial <= 20000 IMP - School
- Developed Aerial <= 20000 IMP - Warehouse
- Developed Aerial <= 20000 IMP - Water Company
- Developed Aerial/LUCode - Govt Building
- Developed Aerial/LUCode - Oil Facility
- Developed Aerial/LUCode - Recreation
- Developed Aerial/LUCode - Res
- Developed Aerial/LUCode - Winery
- Developed LUCode - Apartments
- Developed LUCode - Automotive
- Developed LUCode - Bank
- Developed LUCode - Campground
- Developed LUCode - Cemetery
- Developed LUCode - Church
- Developed LUCode - Comm/Industrial
- Developed LUCode - Common Area
- Developed LUCode - Food Service
- Developed LUCode - Golf
- Developed LUCode - Greenhouse
- Developed LUCode - Grocery Store
- Developed LUCode - HOX Res
- Developed LUCode - Laundromat
- Developed LUCode - MH Park
- Developed LUCode - Manufacturing
- Developed LUCode - Medical Facility
- Developed LUCode - Mini Storage
- Developed LUCode - Mixed Living 5 or more units
- Developed LUCode - Mortuary
- Developed LUCode - Motel
- Developed LUCode - Office
- Developed LUCode - Parking Lot
- Developed LUCode - Recreation
- Developed LUCode - Res
- Developed LUCode - Retail
- Developed LUCode - Shopping Center
- Developed LUCode - Warehouse
- Developed LUCode - Winery
- Lake
- Military Base
- Ocean
- Railroad
- Road
- Vacant <= 1000 IMP
- Vacant <= 1000 IMP - Campground
- Vacant <= 1000 IMP - Church
- Vacant <= 1000 IMP - Common Area
- Vacant <= 1000 IMP - Golf
- Vacant <= 1000 IMP - Government
- Vacant <= 1000 IMP - Marina
- Vacant <= 1000 IMP - Park
- Vacant <= 1000 IMP - Recreation
- Vacant <= 1000 IMP - School
- Vacant <= 1000 IMP - Utility
- Vacant Aerial
- Vacant Aerial - Government
- Vacant Aerial - Recreation
- Vacant Aerial <= 20000 IMP
- Vacant Aerial <= 20000 IMP - Common Area
- Vacant Aerial <= 20000 IMP - Government
- Vacant Aerial <= 20000 IMP - Recreation
- Vacant Aerial <= 20000 IMP - Utility
- Vacant Aerial/LUCode - Common Area
- Vacant Aerial/LUCode - Government

Part 2: Determination of Development Potential – Subdivision and Units.

Urban and Village Area Additional Development Potential Assumptions for County Master Water Plan

Vacant Land

To determine additional development potential on vacant parcels, use the following densities and intensities, except as shown below for particular communities. **Additional residential development potential should be multiplied by 0.9** to account for environmental and physical constraints and the likelihood that not all parcels will be developed to full potential.

RR: 5-acre parcel size; assign 1 dwelling unit per parcel
RS: 1-acre parcel size; assign one dwelling unit per parcel
RSF: 5 units per acre
RMF: 20 units/acre (only on parcels > or = to 6,000 ft.^{2}; otherwise, 1 unit)
O/P,CR: Floor area (ft.^{2}) = .2625 x total parcel area (ft.^{2})
(.2625 = .35 FAR x .75)
CS: Floor area (ft.^{2}) =.1875 x total parcel area (ft.^{2})
(.1875 = (.25 FAR x .75)
IND: Floor area (ft.^{2}) =.15 x total parcel area (ft.^{2})
(.15 = .20 FAR x .75)

Exceptions:
Note: RMF densities apply only on parcels > or = to 6,000 ft.^{2}; otherwise, 1 unit

Cayucos: RMF: 10 units per acre (planning area standard)
Cambria: RMF: 15 units per acre
Santa Margarita: RMF: 15 units per acre (due to septic)
Templeton: RSF: 4 units per acre (due to 7,500 ft.^{2} min. parcel size)
Oceano: RMF: 15 units per acre (planning area standard)
Nipomo: RMF: 15 units per acre (some planning area standards reduce density)
Whitley Gardens: RS: 2.5-acre minimum parcel size (planning area standard)

Shandon: SP- 6 Use draft plan buildout as follows:

RS: 88
RSF: 1,334
RMF: 426
AG: 25
Mixed-use: 284 residential, 332,000 ft.^{2} commercial
CS/Res.: 52 residential, 84,000 ft.^{2} commercial

CR: 10 residential, 241,500 ft.^{2} commercial
CS: 1 residential, 730,000 ft.^{2} commercial

Los Ranchos/ Edna Village: SP- 2 Use total buildout of 690 units as follows:
REC: 258
RR: 45
RS: 200
RSF: 187

Black Lake: SP-1 REC: 606

Woodlands: SP- 5 Residential development potential = 1,320 units as follows:

REC: 1,240 single-family, 60 multi-family, 500-unit hotel/resort + commercial on 28 acres
CR: 20 multi-family
CR: 140,000 ft.^{2}
CS: 350,000 ft.^{2}

Heritage Ranch: SP- 3 total development potential per planning area standards (2,900, including RV sites)

Oak Shores: SP- 4 additional potential per planning area standards (1,786 including RV spaces)

Rural Area Build-Out Assumptions for the Master Water Plan[1]

Planning Area	Category								
	AG	RL	RR	RS[2]	CS[4]/ IND[4]	CR[5]	REC	PF[3]	OS[3]
Adelaida	160	80[10]	5	N/A	N/A	N/A	No dev.	-----	-----
El Pomar-Estrella	160	80	5	2.5	N/A	N/A	No dev.	-----	-----
Huasna-Lopez	160	80	N/A	N/A	N/A	N/A	No dev.	-----	-----
Los Padres	160	160	N/A	N/A	N/A	N/A	N/A	-----	-----
Las Pilitas	160	80	10	N/A	N/A	2.5	20	-----	-----
Nacimiento	160	80	10	N/A	N/A	2.5	20	-----	-----
Salinas River	80	80	5	2.5	2.5 (CS)	2.5	No dev.	-----	-----
San Luis Bay	80	80	5	2.5	N/A	N/A	No dev.	-----	-----
San Luis Obispo	80	160	10	2.5	N/A	N/A	No dev.	-----	-----
Shandon-Carrizo	160	160	5[6]	N/A	N/A	N/A	N/A	-----	-----
South County	80	80[7]	5[8]	2.5	2.5 (CS) 10 (IND)	2.5	66 res. units[9]	-----	-----
North Coast	160	80	N/A	N/A	N/A	2.5	No dev.	-----	-----
Estero	160	160[10]	5	5	N/A	N/A	No dev.[11]	-----	-----
San Luis Bay	20 res.	80	N/A	N/A				-----	-----

(coastal)	units[12]								
South County (coastal)	80	No dev.	N/A	N/A	No dev. (IND)	N/A	No dev.	-----	-----

1. Numbers are assumed average minimum parcel sizes for new land divisions, unless otherwise indicated. Residential buildout potential is determined as follows:
   a. Determine the numbers of potential parcels using the minimum parcel sizes in the table, but use actual buildout numbers from the table where indicated
   b. Assign one dwelling unit per existing and potential parcel
   c. For purposes of the Master Water Plan, determine existing numbers of dwelling units by planning area, and then subtract that from the total number of dwelling units from b. above to yield additional residential development potential by planning area
   e. Multiply the additional residential development potential by 0.9 to account for environmental and physical constraints and the likelihood that not all parcels will be developed to full potential.
   f. Add the additional residential development potential from e. above to the number of existing residential units in the planning area to yield total residential buildout for the planning area.
2. Assume that ordinance changes will discourage community water systems in rural areas per COSE; some rural areas have planning area standards for 2.5-acre minimum parcel sizes
3. Assumes no additional development potential in these categories
4. Where parcel sizes are specified, determine development potential (ft.^{2} of floor area) as follows:
   a. Determine total number of existing and potential parcels
   b. For each existing and potential parcel, development potential (ft.^{2} of floor area) = parcel area x 0.18 floor area ratio
   c. Multiply the square footage from b. above by .75 to yield total commercial or industrial buildout. This accounts for environmental and physical constraints, possible existing residential development in Commercial and Industrial categories, and the likelihood that not all such parcels will be developed to their full potential (Commercial and Industrial categories are typically not built out to their zoning capacities).
5. Where parcel sizes are specified, determine development potential (ft.^{2} of floor area) as follows:
   a. Determine total number of existing and potential parcels
   b. For each existing and potential parcel, development potential (ft.^{2} of floor area) = parcel area x 0.20 floor area ratio
   c. Multiply the square footage from b. above by .75 to yield total commercial buildout; this accounts for environmental and physical constraints, possible existing residential development in Commercial and Industrial categories, and the likelihood that not all such parcels will be developed to their full potential (Commercial categories are typically not built out to their zoning capacities).
6. This area is adjacent to the Shandon URL and is to be included in an expanded URL per the draft Shandon Community Plan; if the buildout for this area is included in the buildout for the Shandon urban area, then do not assign buildout for this area
7. Replace residential buildout for Southland Area adjacent to Nipomo (RL on west side of 101; AG, RS and REC on east side of 101) with buildout for industrial park per planning area standard; use .25 FAR and do not adjust further, as the site is vacant, has minimal constraints, should be included in the Nipomo Urban Reserve Line, and should develop with full urban services. [APNs: 092-152-039 (RL); 092-153-048,032; 090-171-036,008,018,007)

8. Replace residential buildout for Canada Ranch adjacent to Nipomo with buildout for industrial park/retail/residential per planning area standard. This area should be included in the Nipomo Urban Reserve Line and develop with full urban services (APN: 091-301-041).
9. Assign 50 dwelling units in the REC category per Bartleson Ranch planning area standard (APNs: 047-311-008; 075-102-004,003) and 16 units in the REC category per Willow/ Via Concha planning area standard (APNs: 091-181-053,052)
10. No development potential on existing lots in the Morro Strand and Morro Rock View subdivisions
11. No further residential development in the REC category along Hwy. 41 occupied by the mobilehome and RV park and adjacent area (see limitation on use standard)
12. Total residential development potential in Cienega Valley assumes one dwelling per existing parcel--no additional subdivision potential; no residential development along Diablo coast

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DRAFT memorandum

date December 17, 2009

to Courtney Howard, San Luis Obispo County; Water Resources Advisory Committee (WRAC)

from Annika Fain, ESA

subject San Luis Obispo County Rural Water Demand Analysis (Appendix C)

Rural Water Demand

A water duty factor was applied to the number of dwelling units of unincorporated areas outside of land designated as rural or agricultural. The County Land Use ArcGIS® database was used to determine where rural residential land use exists and how many dwelling units (DU) exist. Also, the database was used to determine where the future development may occur and how many DU could be built. The rural water demand analysis in combination with the urban and agricultural demand analysis, confirmed that the existing rural water demand is less than 5 percent of the total water demand (including urban, agricultural, and rural) (ESA, 2009-Table 1) . The analysis confirmed that even if 75 percent or more of the available rural residential land is developed, then the countywide rural water demand would be less than 10 percent of the total water demand (ESA, 2009-Table 1). Prior to the County providing the County Land Use ArcGIS® to ESA, a number of steps were completed to update the countywide database. These are explained in detail in Appendix B (San Luis Obispo County, 2009). We followed a series of seven steps for this analysis.

County Land Use Analysis

The main steps ESA followed after receiving the County Land Use ArcGIS® layer are as follows:

Step 1: Created a rural land use ArcGIS® layer from existing County Land Use ArcGIS® layer.

- Opened the County Land Use file that includes approximately 120,000 parcels.
- Calculated existing acreage for all parcels (Calc_Acrge).
- Subtracted out all parcels that were located in areas where an urban demand has been defined by excluding areas within the URL, VRL, CSD, and CSA boundaries, as well as areas where agricultural demand has been calculated.
- Calculated new acreage for parcels that were partially in an urban or agricultural defined area (New_Acrge).
- Calculated the ratio of new acreage to existing ratio (Acge_Ratio).

- For those parcels where the ratio of new acreage over existing acreage was greater than 50%, an indicator was set to “1” (Acge_Ind). These were used in the rural demand calculations.
- For the parcels where the ratio of new acreage over existing acreage was less than or equal to 50% than the demand was calculated as an urban or agricultural parcel.
- Rural land use was analyzed for the remaining parcels (approximately 30,000 parcels)

Step 2: Grouped the remaining land use categories for further analysis. Many of these categories only had a few parcels associated with them after the urban and agriculture areas had been excluded.

- The “Residential” category included developed residential and other parcels that may have rural water demand associated with them. This makes up approximately 99% of the developed parcels.
  - The following four “Status” categories made up approximately 99% of the developed land use parcels: Developed Aerial – Res, Developed Aerial <= 20000 IMP – Res, Developed LUCode - HOX Res, and Developed LUCode – Res.
  - The other categories that are included in residential made up less than 1% of the total developed land use parcels: Developed Aerial – School, Developed Aerial <= 20000 IMP – Campground, Developed Aerial <= 20000 IMP - MH Park, Developed Aerial/LUCode - Govt Building, Developed LUCode – Apartments, Developed LUCode – Campground, Developed LUCode - Food Service, Developed LUCode - Medical Facility, Developed LUCode - MH Park, Developed LUCode - Mixed Living 5 or more units, Developed LUCode – Motel, Developed <= 1000 IMP – School, and Developed LUCode - Office
- The “Commercial/Industrial” category included developed commercial/industrial parcels that may have rural water demand associated with them. The total number of parcels in this category makes up less than 1% of the developed parcels. The following “Status” designations made up the commercial/industrial category.
  - Status = 'Developed <= 1000 IMP - Nuclear Power Plant' OR "Status" = 'Developed Aerial - Comm/Industrial' OR "Status" = 'Developed Aerial - Mining' OR "Status" = 'Developed Aerial - Oil Facility' OR "Status" = 'Developed Aerial <= 20000 IMP - Comm/Industrial' OR "Status" = 'Developed Aerial <= 20000 IMP - Manufacturing' OR "Status" = 'Developed Aerial <= 20000 IMP - Oil Facility' OR "Status" = 'Developed LUCode - Comm/Industrial' OR "Status" = 'Developed LUCode - Manufacturing'
- The “Other” category included areas where there was little or no rural water demand associated with the parcels. This category makes up less than 1% of the developed parcels remaining after subtracting agricultural and urban areas. The following “Status” designations were included in the category:
  - "Status" = 'Developed <= 1000 IMP - Cemetery' OR "Status" = 'Developed <= 1000 IMP - Dam' OR "Status" = 'Developed <= 1000 IMP - Lighthouse' OR "Status" = 'Developed <= 1000 IMP - Radar Site' OR "Status" = 'Developed <= 1000 IMP - Railroad' OR "Status" = 'Developed <= 1000 IMP - Recreation' OR "Status" = 'Developed <= 1000 IMP - Reservoir' OR "Status" = 'Developed <= 1000 IMP - Road' OR "Status" = 'Developed <= 1000 IMP - Sewer' OR "Status" = 'Developed <= 1000 IMP - Sludge Site' OR "Status" = 'Developed <= 1000 IMP - Utility' OR "Status" = 'Developed <= 1000 IMP - Water Facility' OR "Status" = 'Developed <= 1000 IMP - Water Pump' OR "Status" = 'Developed <= 1000 IMP - Water Tank' OR "Status" = 'Developed <= 1000 IMP - Well' OR "Status" = 'Developed Aerial - Recreation' OR "Status" = 'Developed

Aerial <= 20000 IMP - Dam' OR "Status" = 'Developed Aerial/LUCode - Recreation' OR "Status" = 'Developed LUCode - Automotive' OR "Status" = 'Developed LUCode - Church' OR "Status" = 'Developed LUCode - Grocery Store' OR "Status" = 'Developed LUCode - Mini Storage' OR "Status" = 'Developed LUCode - Recreation' OR "Status" = 'Developed LUCode - Warehouse' OR "Status" = 'Lake' OR "Status" = 'Railroad' OR "Status" = 'Road'

- The "Vacant" category included the followed Status designations established by the County. The majority of vacant parcels were classified by the County as 'Vacant <= 1000 IMP' and designated as parcels that could be developed. A summary of the vacant categories are as follows:
  - Residential Vacant: Status = 'Vacant <= 1000 IMP' OR "Status" = 'Vacant <= 1000 IMP - Campground' OR "Status" = 'Vacant <= 1000 IMP - School' OR "Status" = 'Vacant Aerial' OR "Status" = 'Vacant Aerial - Government' OR "Status" = 'Vacant Aerial <= 20000 IMP' OR "Status" = 'Vacant Aerial <= 20000 IMP - Government' OR "Status" = 'Vacant Aerial/LUCode - Government' OR "Status" = 'Vacant <= 1000 IMP - Government'
  - Other Vacant: Status = 'Vacant <= 1000 IMP - Common Area' OR "Status" = 'Vacant <= 1000 IMP - Marina' OR "Status" = 'Vacant <= 1000 IMP - Recreation' OR "Status" = 'Vacant Aerial <= 20000 IMP - Common Area' OR "Status" = 'Vacant Aerial/LUCode - Common Area'

Step 3: Divided the parcels by WPAs and assigned parcels. Some parcels were located in multiple WPAs.

- Recalculate acreages (Acge_Ind) for each parcel, including divided parcels.
- For those parcels where the ratio of new acreage over existing acreage was greater than 50%, an indicator was set to "1" (Acge_Ind).
- The divided parcels were assigned to the WPA where the majority of the parcel was located.

Step 4: Assigned a number of dwelling units for each residential and commercial/industrial category. The "Specific_P" and "Units" were defined by the County based on planning designations:

- For all existing developed parcels we assigned the following number of dwelling units (Exist_DU)
  - All "developed" = 1 (DU)
  - All "vacant" = 0 (DU)
  - Other = 0 (DU)
- For all future developed parcels we assigned the following number of dwelling units (Future_DU)
  - For "Specific_P" = FAR (Floor Area Ratio) & "Specific_P"= Note7-FAR, then Future_DU = 1 (DU). Since FAR numbers of units are not defined by a parcel, we have assumed that each FAR parcel will have 1 DU associated. This may result in an underestimate of future FAR units, but the total number of FAR units
  - All other "Specific_P":
    - For "Units" > 0, then Future_DU="Units" [e.g. 2, 3]
    - For "Units" = 0 AND "Exist_DU=0, then Future_DU=0

        - For “Units” = 0 AND “Exist_DU=1, then Future_DU=1

Step 5: Assigned a water duty factor (AF/DU) for each of the designated categories:

- Existing water duty factors were assigned (Ex_AF_DU):
  - Residential-Existing
    - 0.8 AFY/DU for planning area 1-7
    - 1.0 AFY/DU for planning area 8-16
  - Commercial Industrial
    - 1.5 AFY/DU for all planning areas
- Future water duty factors were assigned (Fut_AF_DU):
  - Residential-Future
    - 0.6 AFY/DU for planning area 1-7
    - 0.8 AFY/DU for planning area 8-16
  - Commercial Industrial
    - 1.5 AFY/DU for all planning areas

Step 6: Calculated the rural water demand for each WPA:

- Existing rural demand (Exist _AFY)
  - Multiply Exist_DU and Ex_AF_DU
- Future rural demand (Future _AFY)
  - Multiply Future_DU and Fut_AF_DU

Step 7: Summarized the rural water demand for each WPA:

- Created summary pivot tables from rural land use ArcGIS® layer
- Linked the pivot table to the rural demand summary excel file, as well as the total demand excel file.

References

Environmental Science Associates (ESA), San Luis Obispo County Water Demand Analysis Methodology and Results, December 2009.

San Luis Obispo County, San Luis Obispo County ArcGIS® Land Use Methodology Report, San Luis Obispo County, 2009.

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DRAFT memorandum

date December 17, 2009

to Jose Gutierrez, Carollo; Lou Carella, Carollo

from Justin Gragg, ESA; Annika Fain, ESA

subject SLO County MWP, Environmental Water Demand Estimates (Appendix D)

Purpose and Scope

San Luis Obispo County (County) has experienced multiple droughts, degradation of groundwater, and is faced with increasingly limited water supplies. The County is preparing an updated County Master Water Plan (MWP). The previous version of the MWP was completed in 1998. Since then, there have been many changes to the water resources within the County, including the completion of local and regional water management plans, formation of the Integrated Regional Water Management Plan (IRWMP), new water sources, new water users, and new water regulations. The updated MWP will incorporate these changes and provide all entities in the County with information to help effectively and efficiently manage water resources to protect ecosystems, public health and safety, and agriculture.

The updated MWP will include water supply and demand estimates for the entire County for existing and future conditions. Water demand estimates will be divided into the following categories: Agricultural, Urban, Rural, and Environmental. The following presents the approach, methodology, and results of the Environmental Water Demand (EWD) analysis for the County Watershed Planning Areas (WPAs) (as applicable).

Approach

For the purposes of the MWP, the term “Environmental Water Demand” is herein defined as the amount of water needed in an aquatic ecosystem, or released into it, to sustain aquatic habitat and ecosystem processes. Of course, natural riverine ecosystems are highly complex and often very dynamic, being controlled by a number of physical processes, containing a variety of distinct habitat types, and supporting a wide variety of aquatic species. Thus, it is often necessary to identify a target species, or group of species, whose habitat requirements are well-enough defined to allow for the development of a reasonable estimation of the amount of water needed to support these species. Furthermore, the target species, or group of species, should be widely recognized as an indicator species (i.e., a species whose habitat requirements are sensitive enough to allow for successful identification of environmental problems, yet broad enough to adequately represent a wide array of aquatic species). For the purposes of the EWD analysis, the federally threatened south-central California coast steelhead (*Oncorhynchus mykiss*) was used as the primary indicator species. Although numerous other listed and non-listed native aquatic

species occur throughout the County, a large proportion of these species typically thrive in water bodies known to support steelhead. Furthermore, the threatened status of steelhead requires careful consideration of potential impacts to the species from future projects, including water development projects.

EWD is most commonly described and quantified in terms of instream flow requirements (i.e., the amount of water that must remain in the creek or river to support the various life stages of the target or indicator species). Numerous methodologies have been developed over recent decades for the purposes of quantifying instream flow requirements for steelhead and other salmonid species. These range from very simplistic estimations, such as the "Montana Method" (Tennant, 1976), to very site-specific and data-intensive assessments, such as the widely applied Instream Flow Incremental Methodology (IFIM) and its component Physical Habitat Simulation Model (PHABSIM), developed in the 1970's by the U.S. Fish and Wildlife Service (USFWS). The advantages and disadvantages of the various methodologies have been discussed extensively in the scientific literature and technical publications. We evaluated the relative merits and shortcomings of a number of available methodologies to determine the most appropriate approach to use for estimating EWD. Based on a number of selection criteria, including regional applicability, scientific support and justification, scale of the assessment (i.e., county-wide), and the feasibility and efficiency of the overall approach, we chose to apply a peer-reviewed methodology developed by Hatfield and Bruce (2000), *Predicting Salmonid Habitat-Flow Relationships for Streams from Western North America*.

The Hatfield and Bruce (2000) methodology is based on the authors' review of over 1,500 habitat-flow relationship curves developed during 127 site-specific PHABSIM studies from throughout the western United States. The authors developed predictions regarding the flow requirements for salmonids in this region and tested whether habitat-flow relationships for salmonids were related to watershed characteristics and geographic location. Their research found that mean annual discharge (MAD) was the best predictor for optimum flow, and that improvements in the predictive power of the regression model was sometimes possible with the addition of longitude and latitude coordinates (Hatfield and Bruce, 2000). As is the case in many regression-derived predictive models, a number of statistical uncertainties are inherent in this approach, and the authors provide a thorough discussion of the applicability of their methodology, including explicit cautions that site-specific follow-up assessments would be warranted in many situations. However, the largely planning-level focus of the Hatfield and Bruce (2000) approach appears to lend itself particularly well to the development of EWD estimates on a regional scale, recognizing that more detailed assessment will likely be required in support of future site-specific water development projects.

Implementation

During PHABSIM assessments, optimum flow ranges are typically developed for different life stages of the target species. Since their methodology is based on a review of numerous PHABSIM studies, Hatfield and Bruce (2000) also present optimum flow relationship equations for four distinct life stages of steelhead (i.e., fry, juvenile, adult, and spawning). Distinguishing between the flow needs of different life stages provides fisheries managers with the tools necessary to maximize suitable flow conditions according to life stage. However, this approach presents a minor difficulty for a broad-scale EWD assessment. For example, one life stage of steelhead, juveniles, is present year-round, and all four life stages may be present simultaneously during the spring. This raises the question of which optimal flow is in fact "optimal" at any given time of the year. In other words, which life stage equation should be used to determine yearly EWD? We elected to use two representative life stages in the assessment of EWD. If flow conditions are suitable for the adult life stage during the winter and early spring, then spawning can occur even though the physical spawning capacity of the water course in question may not be maximized. Similarly, if summer and fall flow conditions are suitable for juvenile steelhead, then the slower,

shallower channel margin habitat preferred by fry is typically also present. Therefore, we chose to use Hatfield and Bruce's (2000) adult equation to determine EWD during the adult/spawning season of December through April, and the juvenile equation to determine EWD during the May through November rearing period.

As discussed, we have selected steelhead as our target/indicator species, and have selected the adult and juvenile flow prediction equations to represent EWD on an annual basis. However, the County contains numerous minor, seasonal drainages, as well as larger watersheds (particularly within the eastern half of the County), that do not support steelhead and are unlikely to have supported the species historically. Although fish use of seasonal drainages is limited, these streams nevertheless serve an important ecological function for a number of other aquatic species, including amphibians, reptiles, and invertebrates. Moreover, many of these streams ultimately flow into larger drainages that do support fisheries resources, including steelhead. The same can be said for some of the larger watersheds not known to support (presently or historically) steelhead. A consistent, comparable, and broadly-applicable methodology for assessing EWD in relation to another species or habitat characteristic, for areas where steelhead may not have existed historically, was not available. However, it would not be reasonable to exclude such areas from the EWD estimate, which has a broad ecological connotation, based solely on whether or not steelhead are currently or were historically present. Further, relatively simple adjustments can be made to the values derived from the Hatfield and Bruce (2000) methodology to better account for the seasonality of flow within particular watersheds of WPAs. Therefore, it is assumed that, in general, the Hatfield and Bruce (2000) approach leads to a reasonable estimate of EWD (i.e., the amount of water required for optimum ecological function), regardless of whether or not the watershed of interest has historically supported steelhead.

Methods

The Hatfield and Bruce (2000) methodology requires MAD estimates for each watershed of interest. In order to reflect an accurate estimate of EWD, the MAD discharge should represent unimpaired (or natural) flow conditions and should be reflective of a relatively long time period (i.e., longer than 30 years). Mean daily flow values from stream gaging stations representative of long-term, unimpaired flow conditions were used to derive MAD estimates within the different WPAs. The overall methodology for the calculation and extrapolation of unimpaired MAD estimates generally follows the approaches presented by Ries and Friesz (2000) and Mann et al. (2004).

Selection of Index and Study Stations

Following the approach presented by Mann et al. (2004), candidate Index and Study-stations were identified from a list of existing and historic stream gaging locations within the County and adjacent counties. An Index-station is defined as a stream gage that is representative of long-term, unimpaired flows conditions (i.e., the mean daily flow record does not need to be adjusted or extended); a Study-station is defined as a stream gage that has a period of record shorter than desired but is representative of unimpaired flow conditions. As such, the record of mean daily flow values for the Study-station could be extended, or adjusted, to a period concurrent with that of an Index-station if a reliable and reasonable relationship exists. Thus, the differences between records would be due to differences in climatic or drainage basin characteristics and not to the fact that different periods of time are being represented. Most of the stations used in the analysis were those of the U.S. Geological Survey (USGS) and the remainder were installed or taken-over by the San Luis Obispo County Flood Control and Water Conservation District (District).

Index-stations were selected based upon having a period of record longer than 30 years, being representative of unimpaired flow conditions, and not exhibiting any long-term trends in the mean daily flow data. To determine

whether or not flow conditions could reasonably be considered unimpaired, the USGS Annual Water Data Report (WDR) was consulted for each gage location of interest for the last, or most recent, year of operation. If the USGS WDR indicated that there was no upstream regulation or diversion, the gage location was considered to be representative of unimpaired flow conditions. If the USGS WDR indicated that there was no upstream regulation but there were small diversions (e.g., small domestic diversion, stock ponds, etc.), or if the gage was one managed by the District (e.g., information equivalent to that found in the USGS WDR was not available), then the face-value amount of the upstream water rights (i.e., diversions) was determined through searching the State Water Resources Control Board's (SWRCB) Water Right Information Management System (WRIMS) (SWRCB, 2009). If the total face-value of the upstream permitted or licensed (or otherwise recognized by the SWRCB) diversions was less than one percent of the MAD of the gage of interest, then that location was considered to be representative of unimpaired flow conditions. Otherwise, the gage location was eliminated from further consideration in the analysis.[1]

Study-stations were selected based upon having a common (i.e., with the eventual study period) period of record longer than 8 years and being representative of unimpaired flow conditions. Determination of whether or not the Study-station mean daily flow record could reasonably be considered representative of unimpaired flow conditions followed the same methodology as described above for the Index-stations.

In order to adjust Study-station flows using the long-term Index-station records, tests for trends in the Index-station flow data were carried out. Improper regression or correlation can result if trends are evident in the long-term record for the region or for individual Index-stations (e.g., if trends are evident in the long-term Index-station records, then using these stations to adjust and extend short-term records may lead to substantially more error in the estimates). Trend tests involved first plotting mean annual flow versus year for each potential Index-station for qualitative detection of trends in the data. Kendall τ correlation tests (at the 0.05 significance level; Helsel and Hirsch, 2002) were then run on each Index-station's mean annual flows to quantitatively determine if any long-term trends were evident. No regional or individual station long-term trends were detected.

Based upon the criteria described above, two Index-stations were selected from the study area (i.e., the County and areas immediately adjacent): Lopez Creek near Arroyo Grande (Index-station 1; USGS 11141280) and the Nacimiento River below Sapaque Creek near Bryson (Index-station 2; USGS 11148900) (**Table D1; Figure D1**). The study period (i.e., the period for which the existing, average annual EWD estimates were made), based upon the Index-stations' common period of record, was selected as water year (WY) 1972-2008.[2] These two stations are at opposite extremes with respect to the overall flow regime (**Figure D2**): Lopez Creek is a relatively small, perennial stream and the Nacimiento River is a relatively large and ephemeral stream. Six Study-stations were ultimately selected from the study area: the Sisquoc River near Sisquoc (Study-station 1; USGS 11138500), Arroyo Grande above Phoenix Creek near Arroyo Grande (Study-station 2; USGS 11141150), Los Berros Creek near Nipomo (Study-station 3; USGS 11141600), Arroyo de la Cruz near San Simeon (Study-station 4; USGS 11142500), the Salinas River near Pozo (Study-station 5; USGS 11143500), and Salsipuedes Creek near Pozo (Study-station 6; USGS 11144200) (**Table D1; Figure D1**). For each Index and Study-station, information

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1 If there were many (i.e., more than 10) water rights upstream of a given station location, then that station was eliminated based solely upon the number of recorded water rights and, due to scope and budget limitations, the face-value of the water rights was not determined; nor was it determined whether or not the time period of the water right was concurrent with that of the station location of interest.

2 A water year (WY) begins on October 1 of the previous year and ends on September 30 of the designated WY. For example, WY 2004 comprises the period of October 1, 2003 through September 30, 2004.

related to the USGS WDR and/or water rights is presented in **Attachment 1**. The results of the Kendall τ correlation tests on the mean annual flow values for Index-stations 1 and 2 are presented in **Attachment 2**.

TABLE D1
INDEX AND STUDY STATIONS

Station	Site Name	Site ID/no.	Drainage Area (sq. miles)	Flow Regime	Period of Record (Water Years)
Index Station 1 (Ind1)	Lopez Creek	USGS 11141280	20.9	Perennial	1968-2008
Index Station 2 (Ind2)	Nacimiento River	USGS 11148900	162.0	Ephemeral	1972-2008
Study Station 1 (Std1)	Sisquoc River	USGS 11138500	281.0	Perennial	1944-1999
Study Station 2 (Std2)	Arroyo Grande	USGS 11141150	13.5	Perennial	1968-1992
Study Station 3 (Std3)	Los Berros Creek	USGS 11141600	15.0	Perennial	1969-1978[a]
Study Station 4 (Std4)	Arroyo de la Cruz	USGS 11142500	41.2	Ephemeral	1951-1979
Study Station 5 (Std5)	Salinas River	USGS 11143500	70.3	Perennial	1943-1983
Study Station 6 (Std6)	Salsipuedes Creek	USGS 11144200	5.9	Ephemeral	1970-1983

[a] Based on data from the USGS for these water years

Regression Analysis and Mean Annual Discharge

Regression analysis was used to extend the mean daily flow record of each Study-station to cover the entire study period, WY 1972-2008. Study-station-Index-station pairings were based primarily on proximity of the stations to one another. In cases where the regression relationship was not strong or clear, both Index-stations were used in order to determine which one, if any, provided the most reliable relationship with respect to mean daily flow values.

Similar to the approach described by Ries and Friesz (2000), the relationship between Index-station and Study-station mean daily flow values were evaluated over a concurrent period (i.e., the period of overlap in the mean daily flow record of each station). First, the log-transformed (base 10), concurrent mean daily flow values at a Study-station were plotted versus the log-transformed mean daily flow values at the selected Index-station. A mathematical (i.e., ordinary least squares) correlation method was used when the subsequent relationship appeared linear, and a graphical method was used when the relationship illustrated curvature or otherwise appeared non-linear. Both methods assume that the relation between the mean daily flow at the Study-station and the Index-station remains constant with time (this is why trend testing of the Index-stations is important), and thus the relation between the concurrent period mean daily flows can be used to estimate flow statistics that represent long-term conditions. Once a reliable mathematical or graphical relationship was established, the statistic of interest (e.g., long-term MAD) for the Index-stations was used to compute the statistic of interest for each Study-station.

For the mathematical correlation between the log-transformed data, the regression coefficient of determination (R^2) for Index-station daily mean flows versus Study-station daily mean flows was required to be greater than 0.8 for concurrent flow data. The Index-station MAD (or statistic of interest) was then log-transformed, entered into the ordinary-least-squares regression equation, and the equation was subsequently solved for the Study-station value (e.g., MAD for WY 1972-2008).

For the graphical correlation, the method was applied by plotting the original (non-log) values of concurrent mean daily flows on log-log paper and drawing a smooth curve through the plotted points that appears to best fit the data (Ries and Friesz, 2000). Next, the MAD (or statistic of interest) for the Index-station was entered into the

curve of relation and the corresponding value for the Study-station was read from the graph. In this approach, the relationship between the two stations was most important for the range of flows near the MAD value for the Index-station. As such, if the relationship was not strong below this range (i.e., at the low end of the relation, as is often the case with log-log plots), the Study-station was not necessarily automatically discarded. Further, if an ordinary-least-squares regression line appeared to best describe the relationship of the data (i.e., if the ordinary-least-squares regression line was essentially the same as that which was drawn in by hand), then the subsequent regression equation was used to predict the MAD (or statistic of interest) value for the Study-station. If a reliable relationship (mathematical or graphical) did not exist the Study-station was discarded from further analysis. The Index-station-Study-station relations used in this analysis are included in **Attachment 3**.

Weighted Mean Annual Discharge

If the period of record for a Study-station comprised one-half or more of the study period, then a weighted MAD was calculated. In this case, the MAD was calculated from the Study-station mean daily flow values over the period of record, and the MAD for the remainder of the study period was calculated using the regression relation. The final MAD was calculated as a weighted average of the two values. For two Study-stations, the Sisquoc River (Study-station 1) and Arroyo Grande (Study-station 2), a weighted MAD was calculated (**Attachment 4**).

Extrapolation of Mean Annual Discharge Values

Once the unimpaired MAD estimates were calculated for the Index- and Study-stations, these values were then used to estimate the MAD for other watersheds and WPAs through extrapolation. To do this, the WPAs were further subdivided into individual sub-watershed areas (**Figure D3**). The delineation of sub-watersheds within the WPAs was done using ArcGIS® and was based upon the watershed delineation data provided by the District (San Luis Obispo County, 2000). The area (in square miles) and coordinates (longitude and latitude of the watershed mid-point) of each sub-watershed were also calculated within ArcGIS®. Sub-watershed areas were generally delineated (and aggregated) for the point at which the particular river or stream exited the WPA. As a result, the sub-watersheds draining east (to the Salinas River valley) are generally much larger than the coastal sub-watersheds. In some cases these larger sub-watershed areas were further sub-divided based upon a particular feature (e.g., lake or reservoir) or a particularly large tributary (e.g., Paso Robles Creek). It is important to note (as explained in more detail below, *Assumptions and Sources of Uncertainty*) that the unit optimal flow values derived from Hatfield and Bruce (2000), and ultimately the EWD estimates, are in part dependent upon the size of the drainage area (i.e., larger drainage areas have smaller unit optimal flow values, and vice versa).

Once the sub-watershed areas were delineated, the unit MAD (cubic feet per second [cfs] per square mile) was calculated for each of the Index- and Study-stations. The unit MAD values were then applied to each of the sub-watersheds in order to derive a MAD estimate for the entire sub-watershed based on its area. The extrapolation of Index- and Study-station unit MAD values to other sub-watershed areas was done qualitatively based upon proximity as well as similarities in mean annual rainfall (PRISM, 2007) and overall topography. In some cases, more than one unit MAD value was used for a given sub-watershed, in which case the unit MAD value ultimately used represented an average. Unit MAD values for the Index- and Study-stations, as well as for each of the sub-watersheds (including a list of which Index- and Study-station unit MAD values were used in the derivation of the unit MAD for each of the sub-watersheds), are listed in the tables comprising **Attachment 5**.

The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the EWD analysis due to the lack of data and regional physiographic differences. No unimpaired flow data were available for WPAs 9, 10, 11, 14, and 15. All of the available unimpaired flow data were for stations in the western portion

of the County. Substantial differences in mean annual rainfall, topography, and geology precluded a reliable extrapolation of the Index- and Study-station unit MAD values to these eastern areas of the County.

Environmental Water Demand

Once the MAD was calculated for each sub-watershed, the equations presented by Hatfield and Bruce (2000) were used to derive the EWD estimate (as described above). An EWD flow value was calculated for the period December through April (i.e., adult demand) and for the period May through November (i.e., juvenile demand). The following are the relevant equations as presented by Hatfield and Bruce (2000):

$$\log_e(optimum_juvenile_flow) = -8.482 + 0.593 \cdot \log_e(MAD) + 2.555 \cdot \log_e(latitude)$$

$$\log_e(optimum_adult_flow) = 1.105 + 0.737 \cdot \log_e(MAD)$$

Where optimum flow and MAD are in cfs and latitude is in decimal degrees.

For each period the flow value was converted to a total volume (i.e., acre-feet) based upon the average number of days within the period, and the two volumes were then summed to derive a total annual EWD estimate for each sub-watershed. For the juvenile period (May through November) an additional adjustment was made to better account for the generally ephemeral nature of the study area (i.e., assuming that all days in the May through November period would normally have flow under natural, or unimpaired, conditions is not reflective of the regional hydrologic regime). At the scale of the sub-watersheds used in this analysis (i.e., relatively large), most (if not all) of the coastal watersheds, as well as the larger watersheds to the east, are naturally ephemeral. Those reaches that are perennial tend to be in the small, headwater-type watersheds (though there are exceptions within the study area, such as the Sisquoc River – though the Sisquoc River is not within the County). Based upon the mean daily flow data for the Nacimiento River Index-station, which indicate that the river is dry approximately 30 percent of the time, a regional adjustment was made to the annual EWD estimates: it was assumed that all of the sub-watersheds were dry for 30 percent of the time (i.e., for approximately 110 days). The optimum flow values and EWD estimates for each sub-watershed and WPA are presented in the tables of Attachment 5; the annual EWD estimates for each WPA are also summarized below in **Table D2**.

TABLE D2
MEAN ANNUAL DISCHARGE AND ENVIRONMENTAL WATER DEMAND ESTIMATES

WPA (#)[a]	WPA Name	Estimated Unimpaired Mean Annual Discharge (MAD) (AFY)	Environmental Water Demand (EWD) (AFY)
1	San Simeon	104,491	72,975
2	Cambria	87,049	51,463
3	Cayucos	33,340	26,162
4	Morro Bay	43,433	27,878
5	Los Osos	8,199	7,045
6	SLO/Avila	45,816	33,034
7	South Coast	49,103	32,956
8	Huasna Valley	34,217	25,019
12	Santa Margarita	46,633	32,850
13	Atascadero/Templeton	74,088	41,006
16	Nacimiento	251,124[b]	108,390 [b]

[a] The eastern portion of the County (i.e., WPAs 9, 10, 11, 14, and 15) was ultimately excluded from the EWD analysis due to the lack of data and regional physiographic differences. No unimpaired flow data were available for WPAs 9, 10, 11, 14, and 15.

[b] Estimates include the watershed area for the Nacimiento River Index-station (162 square miles); though the Index-station is within WPA 16, most of the watershed area is not.

Assumptions and Sources of Uncertainty

The following list summarizes some key assumptions and sources of uncertainty for the presented estimates of EWD:

- The EWD estimates presented here are based upon the habitat requirements of steelhead (*Oncorhynchus mykiss*), and this approach and methodology therefore assumes that the steelhead is an appropriate target species for the study area;

- For the Nacimiento River Index-station and most of the Study-stations, the coefficient of variation (CV)[3] for the mean daily flows was beyond the range (i.e., higher than) reported by Hatfield and Bruce (2000) for their study sites. This reflects the fact that the flow regime in our study area (i.e., the County and surrounding areas) is generally more ephemeral and variable than that of the collective region analyzed by Hatfield and Bruce (2000) Therefore, extrapolation using the MAD at these stations may lead to overestimates of the optimal flow value (and, subsequently, the EWD) for the sub-watershed areas. This is because the MAD value at these stations is disproportionately influenced by large flows and these watersheds are predominantly ephemeral;

- A few of the sub-watershed areas had estimated MAD values below the range reported by Hatfield and Bruce (2000) for their study sites (i.e., below 4.1 cfs). The reliability of the Hatfield and Bruce (2000) methodology in this low range of MAD values is unclear and has not been tested. In fact, the optimal flow values calculated for the very small sub-watershed areas in our study area (i.e., those with estimated MAD values less than approximately 10 cfs) were often greater than the estimated MAD values, in which case the annual EWD was assumed to equal the MAD.

- The prediction intervals for the Hatfield and Bruce (2000) equations are relatively large, primarily reflecting statistical uncertainty and other sources of error;

- Regional variation in rainfall is not quantitatively accounted for in extrapolating the mean annual discharge estimates for the Index and Study-stations to other areas;

- As stated in the scope of work, the estimates of EWD presented here do not include “geomorphic” flows. In other words, in calculating an annual EWD for a given watershed, consideration was not given to the particular range of flows typically responsible for the maintenance of channel form and, ultimately, function over time;

- The unit EWD (i.e., demand per unit area, such as acre-feet per square mile) is, in part, dependent upon the drainage area to the point of interest, and the relationship between unit EWD and drainage area is generally not linear. In some cases the unit EWD is inversely related to drainage area (i.e., the EWD volume per unit area *increases* as drainage area *decreases*). As a result, dividing large watershed areas (e.g., WPA 12 or 13) into smaller sub-watersheds, and subsequently summing the EWD estimates from the smaller sub-watersheds, would likely lead to a higher total EWD estimate for the overall watershed area of interest. It is assumed that the delineation of sub-watersheds employed here is reasonable for the purpose of estimating EWD.

- Planning-level assessments such as this one do not take the complexity of natural systems into consideration. While our results provide a reasonable and scientifically supported estimation of Environmental Water Demand for the purposes of water planning, site- and project-specific instream flow requirements should be completed for all future water development projects.

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[3] The coefficient of variation (CV) is a statistical measure of variability and is calculated as the standard deviation divided by the mean.

References

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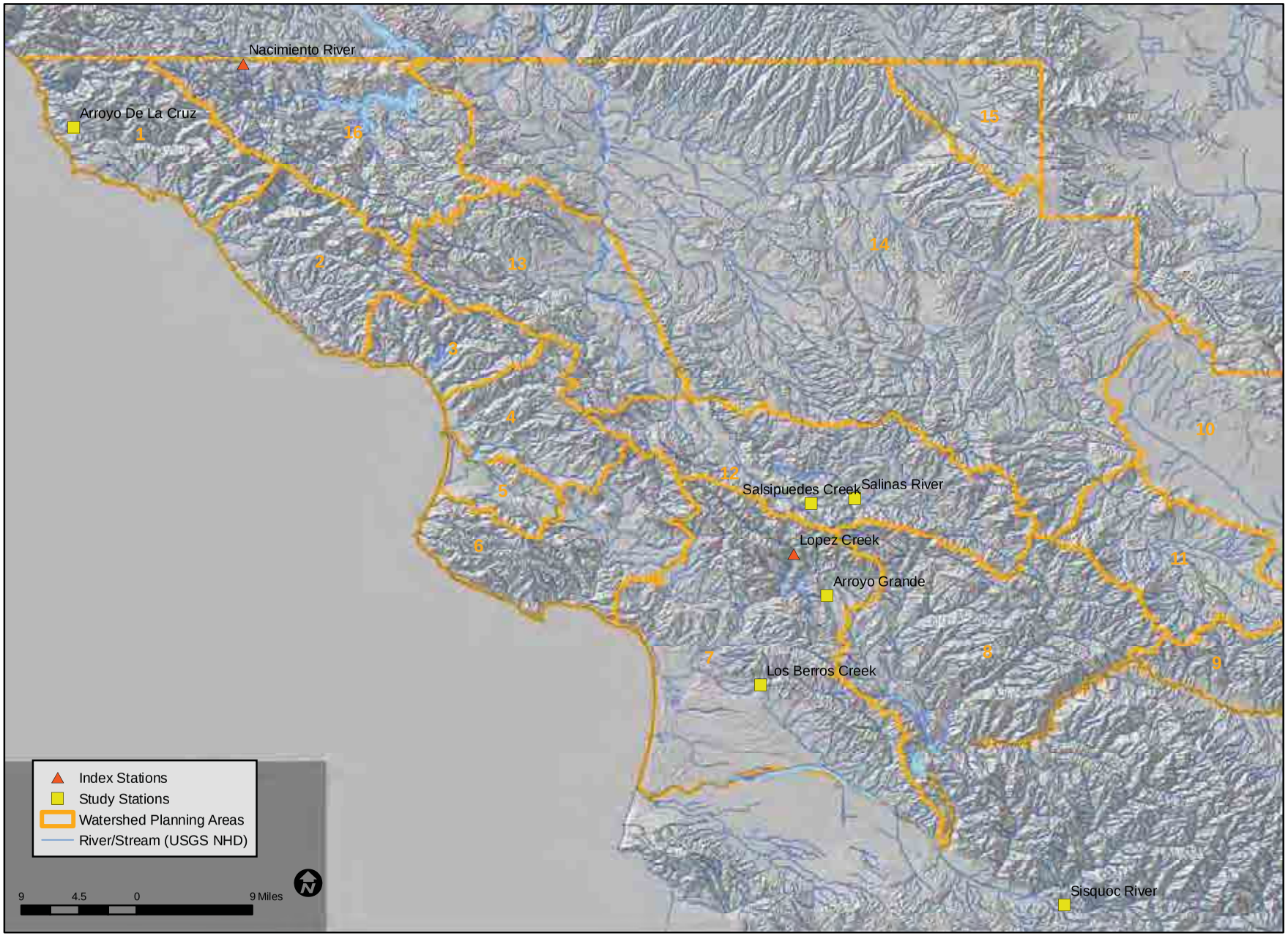
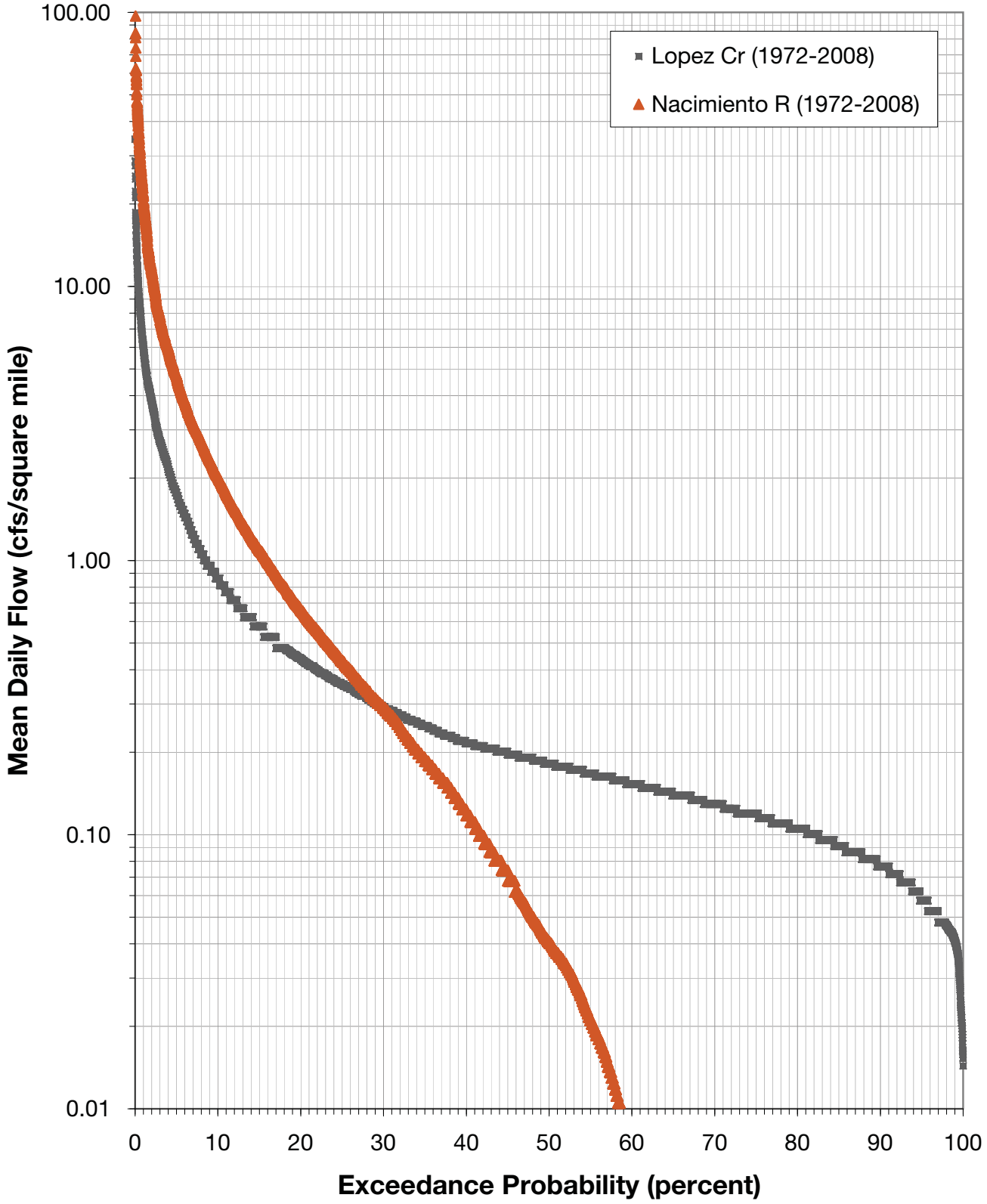


SOURCE: USGS, 2009; ESA, 2009; USEPA, 2005; San Obispo County, 2000 & 2009

San Luis Obispo Master Water Plan . 208691

Figure D1

Index and Study Stream Gage Stations

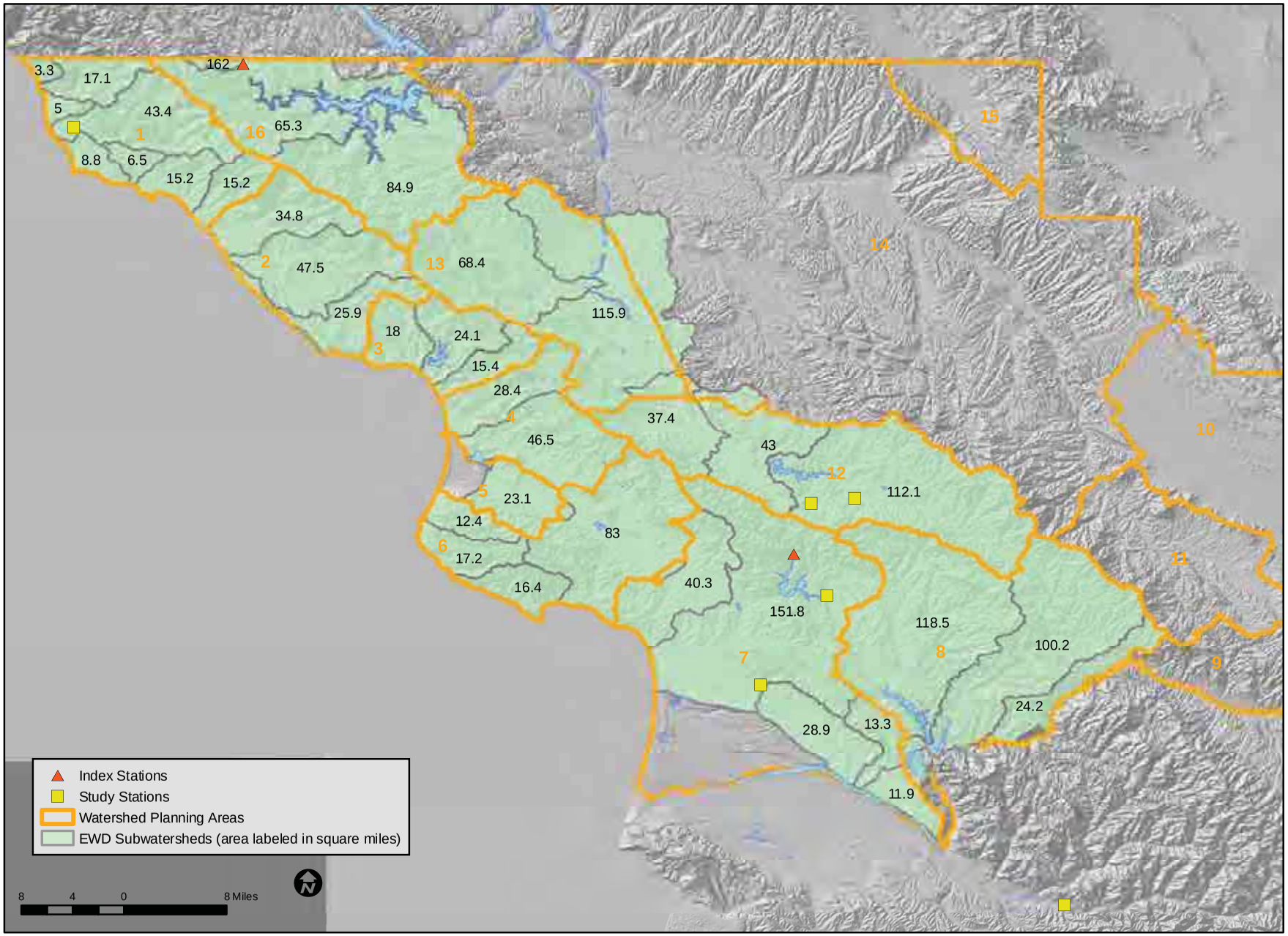


SOURCE: USGS, 2009; ESA, 2009

San Luis Obispo Master Water Plan . 208691

Figure D2

Mean Daily Flow at Index Station Stream Gages



SOURCE: USGS, 2009; ESA, 2009; San Obispo County, 2000 2009

San Luis Obispo Master Water Plan . 208691

Figure D

Subwaters eds Used or En ironmental Water Demand Analysis

Attachment 1

USGS Water Data Reports and SWRCB Water Rights Information

water rights upstream of
USGS 11141280
Lopez Cr

Points of Diversion (1)

Points of Diversion (1)

Points of Diversion
- Adjudicated
- Cancelled
- Certified
- Claimed
- Claimed - Local Oversight
- Inactive
- Licensed

Points of Diversion (continued)
- Pending
- Permitted
- Registered
- Revoked
- State Filing
- Temporary

Lakes (1:24K)

Rivers (1:24K)

NGS USA Topographic Maps

Select POD Results

Points of Diversion (1)

POD_ID	APPL_ID	POD_NUM	APPL_POD	TOWNSHIP_NUMBER	TOWNSHIP_DIRECTION	RANGE_NUMBER	RANGE_DIRECTION	SECTION_NUMBER	SECTION_CLASSIFIER	QUARTER	QUARTER
894	A021268	01	A021268_01	30	S	14	E	28		SE	SE

Select POD Results

Points of Diversion (1)

POD_ID	APPL_ID	POD_NUM	APPL_POD	TOWNSHIP_NUMBER	TOWNSHIP_DIRECTION	RANGE_NUMBER	RANGE_DIRECTION	SECTION_NUMBER	SECTION_CLASSIFIER	QUARTER	QUARTER
22513	C005030	01	C005030_01	30	S	13	E	24		NW	NW

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	A021268
Appliation Rec'd Date	
Application Acceptance Date	5/1/1963
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	U S LOS PADRES NATL FOREST
Primary Owner Entity Type	Federal Government
Water Right Type	Appropriative
Face Value Amount	1.1
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	1000
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0
Max Use Ann	1.1
Year First Use	0
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Federal Government
Last Name	U S LOS PADRES NATL FOREST
Middle Name	
First Name	
Mailing Street Number	
Mailing Street Name	6755 HOLLISTER AVE STE 150
Mailing Address Line2	
Mailing City	GOLETA
Mailing State	CA
Mailing Zip	93117
Mailing Country	USA
Mailing Foreign Code	
Billing Street Number	
Billing Street Name	6755 HOLLISTER AVE STE 150
Billing Address Line2	
Billing City	GOLETA
Billing State	CA
Billing Zip	93117

	Billing Country	USA
	Billing Foreign Code	
	Phone	8059686640
Status		
	Current Status	Licensed
Uses		
	Use Code	Domestic
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Jan
	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Fire Protection
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Jan
	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0

	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Jan
	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Fish and Wildlife Protection and/or Enhancement
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Jan
	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
POD		
	POD Number	1
	POD Unit	Gallons per Day
	POD Status	Active
	Direct Div Amount	1000
	Direct Div Ac Ft	0
	Amount Storage	0
	POD Max Dd	1000
	Source Max Dd Unit	Gallons per Day
	POD Max Storage	0
	Source Max Storage Unit	Gallons per Day
	Diversion Code	Diversion point
	Diversion Type	Direct Diversion
	Storage Type	Diversion point
POD GIS Maintained Data		
	Appl ID	A021268
	Object ID	177519
	Pod Number	1
	Has Opod	N
	Appl Pod	A021268_01
	podId	894

County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2295832
East Coord	5822486
Quarter Quarter	SE
Quarter	SE
Section Classifier	
Section Number	28
Township Number	30
Township Direction	S
Range Number	14
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	LITTLE FALLS SPRING
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	SANTA MARGARITA LAKE

Permit

Permit ID	14230
Water Right Description	Migrated data from old WRIMS system.
Issue Date	1/3/1964
Construction Completed by	
Planned Project Completion Date	12/1/1966

License

License ID	8823
Issue Date	1/3/1969
Licensee Reporting Cycle	
First Licensee Report Year	

License Terms

Term ID	
Version Number	1
Term Short Description	
DWR Specific Clauses	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C005030
Appliation Rec'd Date	12/31/1997
Application Acceptance Date	12/31/1997
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	L CARL GRIEB
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	1
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	1
Max Use Ann	1
Year First Use	1969
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	1/5/1999
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	GRIEB
Middle Name	CARL
First Name	L

Parties

Name Type	Non-Primary Owner
Effective From Date	1/5/1999
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	GRIEB
	Middle Name	L
	First Name	BARBARA
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	120
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	1
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Jan
	Storage Season End Date	31-Dec
	Season Storage Amount (AFA)	1
	Collection Season Status (New)	Migrated from old WRIMS data
POD		
	POD Number	1
	POD Unit	Gallons per Day
	POD Status	Active
	Direct Div Amount	0
	Direct Div Ac Ft	0
	Amount Storage	1
	POD Max Dd	0
	Source Max Dd Unit	Gallons per Day
	POD Max Storage	1
	Source Max Storage Unit	Gallons per Day
	Diversion Code	Diversion point
	Diversion Type	Storage
	Storage Type	Diversion point
POD GIS Maintained Data		
	Appl ID	C005030
	Object ID	177563

Pod Number	1
Has Opod	Y
Appl Pod	C005030_01
podId	22513
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2303733
East Coord	5808086
Quarter Quarter	NW
Quarter	NW
Section Classifier	
Section Number	24
Township Number	30
Township Direction	S
Range Number	13
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	ARROYO GRANDE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	5030
Issue Date	7/24/2000
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002567
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	ANDREW W MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.1
Max Use Ann	0
Year First Use	1968
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MANKINS
Middle Name	B
First Name	LESTER

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	W
	First Name	ANDREW
Parties		
	Name Type	Non-Primary Owner
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	M
	First Name	CHRISTA
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.1
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May

Season Storage Amount (AFA)	0.1
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.1
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002567
Object ID	177366
Pod Number	1
Has Opod	N
Appl Pod	C002567_01
podId	32416
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2262231
East Coord	5845386
Quarter Quarter	SW
Quarter	NW
Section Classifier	
Section Number	32
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2567
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002568
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	ANDREW W MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.7
Max Use Ann	0
Year First Use	1965
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MCREYNOLDS
Middle Name	W
First Name	ANDREW

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	

Salutation	
Entity Type	Individual
Last Name	MANKINS
Middle Name	B
First Name	LESTER

Parties

Name Type	Non-Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MCREYNOLDS
Middle Name	M
First Name	CHRISTA

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MANKINS
Middle Name	B
First Name	LESTER

Status

Current Status	Certified

Uses

Use Code	Stockwatering
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	0.7

Use Seasons

Direct Div Season Begin Date	
Direct Div Season End Date	
Season Direct Div Rate (New)	0
Season Direct Div Rate Units	
Season Direct Div Annual Amount (New) (AFA)	0
Direct Div Season Status (New)	Migrated from old WRIMS data
Storage Season Begin Date	1-Nov
Storage Season End Date	1-May

Season Storage Amount (AFA)	0.7
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.7
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002568
Object ID	177377
Pod Number	1
Has Opod	N
Appl Pod	C002568_01
podId	19077
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2263931
East Coord	5839486
Quarter Quarter	NW
Quarter	NW
Section Classifier	
Section Number	31
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2568
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002569
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	ANDREW W MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.1
Max Use Ann	0
Year First Use	1962
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MANKINS
Middle Name	B
First Name	LESTER

Parties

Name Type	Non-Primary Owner
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	M
	First Name	CHRISTA
Parties		
	Name Type	Primary Owner
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	W
	First Name	ANDREW
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.1
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May

Season Storage Amount (AFA)	0.1
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.1
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002569
Object ID	177426
Pod Number	1
Has Opod	N
Appl Pod	C002569_01
podId	26526
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2273732
East Coord	5840986
Quarter Quarter	SE
Quarter	NW
Section Classifier	
Section Number	19
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2569
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002570
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	ANDREW W MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.2
Max Use Ann	0
Year First Use	1962
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MCREYNOLDS
Middle Name	W
First Name	ANDREW

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Parties		
	Name Type	Non-Primary Owner
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	M
	First Name	CHRISTA
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.2
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May

Season Storage Amount (AFA)	0.2
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.2
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002570
Object ID	177445
Pod Number	1
Has Opod	N
Appl Pod	C002570_01
podId	13496
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2275931
East Coord	5845386
Quarter Quarter	SW
Quarter	SW
Section Classifier	
Section Number	17
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2570
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002571
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	ANDREW W MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.2
Max Use Ann	0
Year First Use	1962
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MANKINS
Middle Name	B
First Name	LESTER

Parties

Name Type	Non-Primary Owner
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	M
	First Name	CHRISTA
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Parties		
	Name Type	Primary Owner
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	W
	First Name	ANDREW
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.2
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May

Season Storage Amount (AFA)	0.2
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.2
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002571
Object ID	177451
Pod Number	1
Has Opod	N
Appl Pod	C002571_01
podId	32417
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2276431
East Coord	5845686
Quarter Quarter	SW
Quarter	SW
Section Classifier	
Section Number	17
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2571
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002572
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	CHRISTA M MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.1
Max Use Ann	0
Year First Use	1962
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MCREYNOLDS
Middle Name	M
First Name	CHRISTA

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Parties		
	Name Type	Non-Primary Owner
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	W
	First Name	ANDREW
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.1
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May

Season Storage Amount (AFA)	0.1
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.1
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002572
Object ID	177442
Pod Number	1
Has Opod	N
Appl Pod	C002572_01
podId	13497
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2275531
East Coord	5845386
Quarter Quarter	SW
Quarter	SW
Section Classifier	
Section Number	17
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2572
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002573
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	ANDREW W MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.4
Max Use Ann	0
Year First Use	1962
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MANKINS
Middle Name	B
First Name	LESTER

Parties

Name Type	Non-Primary Owner
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	M
	First Name	CHRISTA
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Parties		
	Name Type	Primary Owner
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	W
	First Name	ANDREW
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.4
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May

Season Storage Amount (AFA)	0.4
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.4
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002573
Object ID	177420
Pod Number	1
Has Opod	N
Appl Pod	C002573_01
podId	3761
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2271331
East Coord	5849686
Quarter Quarter	SE
Quarter	SE
Section Classifier	
Section Number	20
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2573
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002574
Appliation Rec'd Date	
Application Acceptance Date	1/3/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	LESTER B MANKINS
Agent Entity Type	Individual
Primary Owner	ANDREW W MCREYNOLDS
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.9
Max Use Ann	0
Year First Use	1965
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	MCREYNOLDS
Middle Name	W
First Name	ANDREW

Parties

Name Type	Non-Primary Owner
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	MCREYNOLDS
	Middle Name	M
	First Name	CHRISTA
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Parties		
	Name Type	Agent
	Effective From Date	9/15/1994
	Effective To Date	
	Salutation	
	Entity Type	Individual
	Last Name	MANKINS
	Middle Name	B
	First Name	LESTER
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.9
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May

Season Storage Amount (AFA)	0.9
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0.9
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C002574
Object ID	177408
Pod Number	1
Has Opod	N
Appl Pod	C002574_01
podId	7769
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2269232
East Coord	5835886
Quarter Quarter	NE
Quarter	NW
Section Classifier	P
Section Number	25
Township Number	31
Township Direction	S
Range Number	14
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	ARROYO GRANDE CREEK
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2574
Issue Date	5/18/1979
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002682
Appliation Rec'd Date	
Application Acceptance Date	1/5/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	BOB LANGSTON
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.1
Max Use Ann	0
Year First Use	1962
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Non-Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	LANGSTON
Middle Name	
First Name	MOLLY

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	LANGSTON
	Middle Name	
	First Name	BOB
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.1
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May
	Season Storage Amount (AFA)	0.1
	Collection Season Status (New)	Migrated from old WRIMS data
POD		
	POD Number	1
	POD Unit	Gallons per Day
	POD Status	Active
	Direct Div Amount	0
	Direct Div Ac Ft	0
	Amount Storage	0.1
	POD Max Dd	0
	Source Max Dd Unit	Gallons per Day
	POD Max Storage	0
	Source Max Storage Unit	Gallons per Day
	Diversion Code	Diversion point
	Diversion Type	Direct Diversion
	Storage Type	Diversion point
POD GIS Maintained Data		
	Appl ID	C002682
	Object ID	177405

Pod Number	1
Has Opod	N
Appl Pod	C002682_01
podId	15254
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2268331
East Coord	5851186
Quarter Quarter	SE
Quarter	NW
Section Classifier	
Section Number	28
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2682
Issue Date	5/14/1980
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C002683
Appliation Rec'd Date	
Application Acceptance Date	1/5/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	BOB LANGSTON
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	0.1
Max Use Ann	0
Year First Use	1954
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	LANGSTON
Middle Name	
First Name	BOB

Parties

Name Type	Non-Primary Owner
Effective From Date	9/15/1994
Effective To Date	

	Salutation	
	Entity Type	Individual
	Last Name	LANGSTON
	Middle Name	
	First Name	MOLLY
Status		
	Current Status	Certified
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0.1
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	1-May
	Season Storage Amount (AFA)	0.1
	Collection Season Status (New)	Migrated from old WRIMS data
POD		
	POD Number	1
	POD Unit	Gallons per Day
	POD Status	Active
	Direct Div Amount	0
	Direct Div Ac Ft	0
	Amount Storage	0.1
	POD Max Dd	0
	Source Max Dd Unit	Gallons per Day
	POD Max Storage	0
	Source Max Storage Unit	Gallons per Day
	Diversion Code	Diversion point
	Diversion Type	Direct Diversion
	Storage Type	Diversion point
POD GIS Maintained Data		
	Appl ID	C002683
	Object ID	177407

Pod Number	1
Has Opod	N
Appl Pod	C002683_01
podId	19086
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2268531
East Coord	5850186
Quarter Quarter	SW
Quarter	NW
Section Classifier	
Section Number	28
Township Number	31
Township Direction	S
Range Number	15
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	TAR SPRING RIDGE

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	2683
Issue Date	5/14/1980
Licensee Reporting Cycle	
First Licensee Report Year	

water rights upstream of
USGS 11141150
Arroyo Grande AB Phoenix Cr

Points of Diversion (11)

Points of Diversion
- Adjudicated
- Cancelled
- Certified
- Claimed
- Claimed - Local Oversight
- Inactive
- Licensed
- Pending

Points of Diversion (continued)
- Permitted
- Registered
- Revoked
- State Filing
- Temporary

Lakes (1:24K)

Rivers (1:24K)

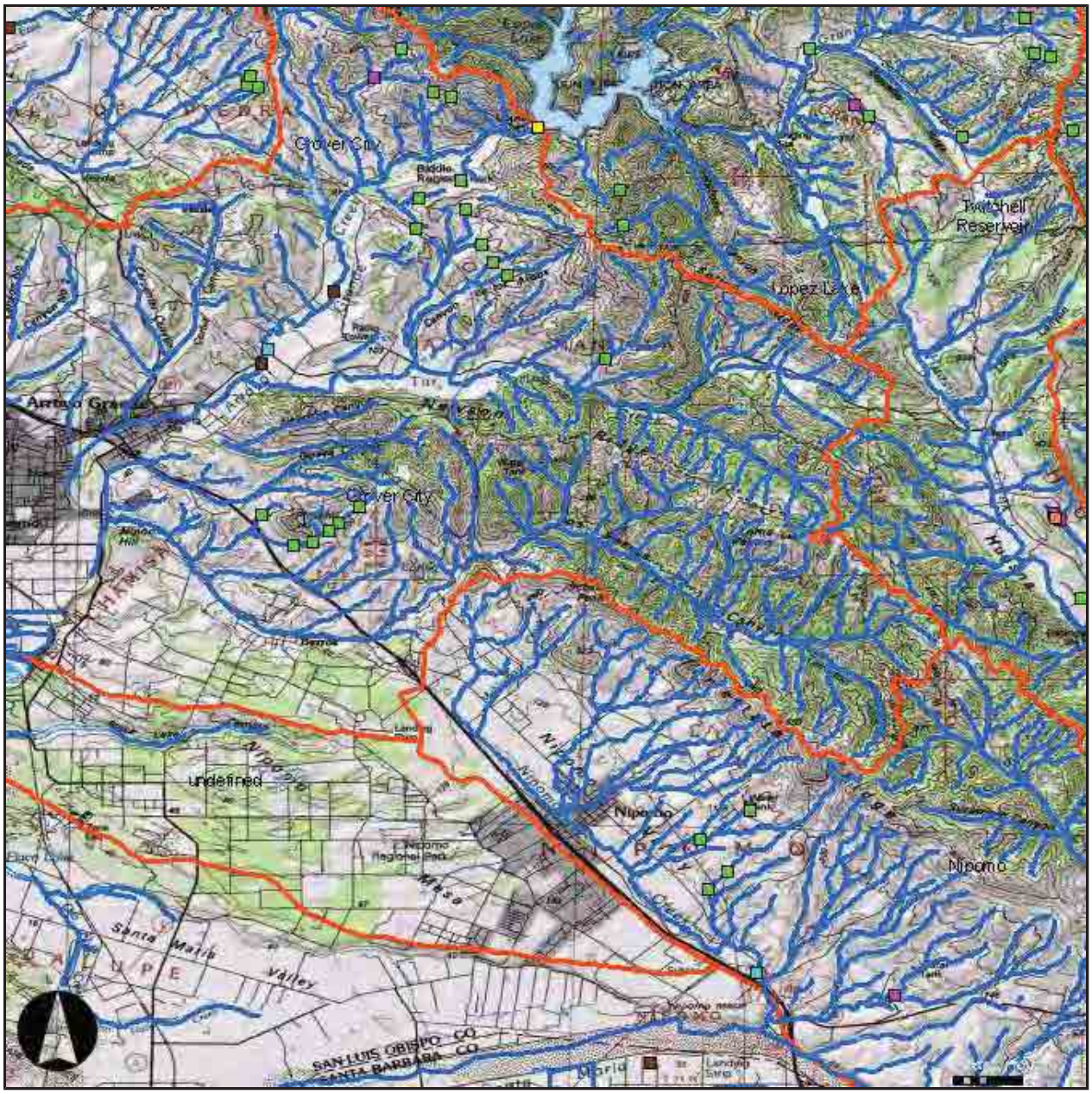
NGS USA Topographic Maps

Select POD Results

Points of Diversion (11)

POD_ID	APPL_ID	POD_NUM	APPL_POD	TOWNSHIP_NUMBER	TOWNSHIP_DIRECTION	RANGE_NUMBER	RANGE_DIRECTION	SECTION_NUMBER	SECTION_CLASSIFIER	QUARTER	QUARTER
32623	A025698	01	A025698_01	31	S	14	E	25	P	SE	SE
32416	C002567	01	C002567_01	31	S	15	E	32		NW	SW
19077	C002568	01	C002568_01	31	S	15	E	31		NW	NW
26526	C002569	01	C002569_01	31	S	15	E	19		NW	SE
13496	C002570	01	C002570_01	31	S	15	E	17		SW	SW
32417	C002571	01	C002571_01	31	S	15	E	17		SW	SW
13497	C002572	01	C002572_01	31	S	15	E	17		SW	SW
3761	C002573	01	C002573_01	31	S	15	E	20		SE	SE
7769	C002574	01	C002574_01	31	S	14	E	25	P	NW	NE

15254	C002682	01	C002682_01	31	S	15	E	28		NW	SE
19086	C002683	01	C002683_01	31	S	15	E	28		NW	SW



Points of Diversion
- Adjudicated
- Cancelled
- Certified
- Claimed
- Claimed - Local Oversight
- Inactive
- Licensed
- Pending
- Permitted
- Registered

Points of Diversion (continued)
- Revoked
- State Filing
- Temporary

Lakes (1:24K)

Rivers (1:24K)

Super Planning Watersheds

NGS USA Topographic Maps

water rights upstream of
USGS 11141600/SLO 05
Los Berros Cr
(no identified upstream rights)

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	A019108
Appliation Rec'd Date	
Application Acceptance Date	11/24/1959
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	STATE WATER RESOURCES CONTROL BOARD
Primary Owner Entity Type	Government (State/Municipal)
Water Right Type	Appropriative
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	0
Appl Fee Amt Recd	0
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	80000
Max Use Ann	0
Year First Use	0
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Government (State/Municipal)
Last Name	STATE WATER RESOURCES CONTROL BOARD
Middle Name	
First Name	
Mailing Street Number	
Mailing Street Name	PO BOX 2000
Mailing Address Line2	
Mailing City	SACRAMENTO
Mailing State	CA
Mailing Zip	95812
Mailing Country	USA
Mailing Foreign Code	
Billing Street Number	
Billing Street Name	PO BOX 2000
Billing Address Line2	
Billing City	SACRAMENTO
Billing State	CA
Billing Zip	95812
Billing Country	USA
Billing Foreign Code	

	Phone	
Status		
	Current Status	State Filing
Uses		
	Use Code	Irrigation
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	70940
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Municipal
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Uses		
	Use Code	Recreational
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Uses		
	Use Code	Domestic
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Uses		
	Use Code	Industrial

Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	0

Uses

Use Code	Stockwatering
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	0

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	80000
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	80000
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A019108
Object ID	179182
Pod Number	1
Has Opod	N
Appl Pod	A019108_01
podId	34643
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2463437
East Coord	5586781
Quarter Quarter	NE
Quarter	NE
Section Classifier	
Section Number	35
Township Number	25
Township Direction	S
Range Number	6
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	ARROYO DE LA CRUZ
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PIEDRAS BLANCAS

Permit

Permit ID
Water Right Description
Issue Date
Construction Completed by
Planned Project Completion Date

SWRCB Division of Water Rights - e-WRIMS 10/14/2009

1) Select Columns A, B, and C)
2) Format / Column / Autofit Selection
3) Left Justify Column Text

Application

Application ID	A020026A	
Appliation Rec'd Date		3/9/1961
Application Acceptance Date		3/9/1961
Notice Date		
Protest		
Number of Protests		0
Agent Name	MARTIN CEPKAUSKAS	
Agent Entity Type	Individual	
Primary Owner	HEARST HOLDINGS INC	
Primary Owner Entity Type	Government (State/Municipal)	
Water Right Type	Appropriative	
Face Value Amount		70
Face Value Units	Acre-feet per Year	
Appl Fee Amount		0
Appl Fee Amt Recd		0
Max DD Appl		0.27
Max DD Units	Cubic Feet per Second	
Max DD Ann		70
Max Storage		0
Max Use Ann		70
Year First Use		0
Billing Determination	Not Determined	
Power Discount %		0
FERC #		
FERC Facility		
Initial 401 Certification Start		
Initial 401 Certification End		
Renewed 401 Certification Start		
Renewed 401 Certification End		
Kilowatts Face Plate		0

Parties

Name Type	Agent	
Effective From Date		12/13/2001
Effective To Date		
Salutation		
Entity Type	Individual	
Last Name	CEPKAUSKAS	
Middle Name		
First Name	MARTIN	

Parties

Name Type	Primary Owner	
Effective From Date		6/26/1997
Effective To Date		
Salutation		
Entity Type	Government (State/Municipal)	
Last Name	HEARST HOLDINGS INC	
Middle Name		

First Name		
Mailing Street Number		
Mailing Street Name	5 THIRD ST STE 200	
Mailing Address Line2		
Mailing City	SAN FRANCISCO	
Mailing State	CA	
Mailing Zip		94103
Mailing Country	USA	
Mailing Foreign Code		
Billing Street Number		
Billing Street Name	5 3RD ST STE 200	
Billing Address Line2		
Billing City	SAN FRANCISCO	
Billing State	CA	
Billing Zip		94103
Billing Country	USA	
Billing Foreign Code		
Phone		4157778196

Status

Current Status	Licensed	

Uses

Use Code	Irrigation	
Use Status (New)	Migrated from old WRIMS data	
Use Population		0
Use Net Acreage		27
Use Gross Acreage		0
Use Direct Diversion Annual Amount (AFA)		70
Use Direct Diversion Rate (New)		0
Use Direct Diversion Rate Units		
Use Storage Amount (New) (AFA)		0

Use Seasons

Direct Div Season Begin Date		1-Apr
Direct Div Season End Date		31-Oct
Season Direct Div Rate (New)		0
Season Direct Div Rate Units		
Season Direct Div Annual Amount (New) (AFA)		0
Direct Div Season Status (New)	Migrated from old WRIMS data	
Storage Season Begin Date		
Storage Season End Date		
Season Storage Amount (AFA)		0
Collection Season Status (New)	Migrated from old WRIMS data	

Uses

Use Code	Domestic	
Use Status (New)	Migrated from old WRIMS data	
Use Population		0
Use Net Acreage		0
Use Gross Acreage		0
Use Direct Diversion Annual Amount (AFA)		70
Use Direct Diversion Rate (New)		0
Use Direct Diversion Rate Units		
Use Storage Amount (New) (AFA)		0

Use Seasons

	Direct Div Season Begin Date		1-Jan
	Direct Div Season End Date		31-Dec
	Season Direct Div Rate (New)		0
	Season Direct Div Rate Units		
	Season Direct Div Annual Amount (New) (AFA)		0
	Direct Div Season Status (New)	Migrated from old WRIMS data	
	Storage Season Begin Date		
	Storage Season End Date		
	Season Storage Amount (AFA)		0
	Collection Season Status (New)	Migrated from old WRIMS data	
Uses			
	Use Code	Stockwatering	
	Use Status (New)	Migrated from old WRIMS data	
	Use Population		0
	Use Net Acreage		0
	Use Gross Acreage		0
	Use Direct Diversion Annual Amount (AFA)		70
	Use Direct Diversion Rate (New)		0
	Use Direct Diversion Rate Units		
	Use Storage Amount (New) (AFA)		0
Use Seasons			
	Direct Div Season Begin Date		1-Jan
	Direct Div Season End Date		31-Dec
	Season Direct Div Rate (New)		0
	Season Direct Div Rate Units		
	Season Direct Div Annual Amount (New) (AFA)		0
	Direct Div Season Status (New)	Migrated from old WRIMS data	
	Storage Season Begin Date		
	Storage Season End Date		
	Season Storage Amount (AFA)		0
	Collection Season Status (New)	Migrated from old WRIMS data	
Uses			
	Use Code	Irrigation	
	Use Status (New)	Migrated from old WRIMS data	
	Use Population		0
	Use Net Acreage		0
	Use Gross Acreage		0
	Use Direct Diversion Annual Amount (AFA)		0
	Use Direct Diversion Rate (New)		0
	Use Direct Diversion Rate Units		
	Use Storage Amount (New) (AFA)		0
POD			
	POD Number		1
	POD Unit	Cubic Feet per Second	
	POD Status	Active	
	Direct Div Amount		0.27
	Direct Div Ac Ft		70
	Amount Storage		0
	POD Max Dd		0.27
	Source Max Dd Unit	Cubic Feet per Second	
	POD Max Storage		0
	Source Max Storage Unit	Cubic Feet per Second	
	Diversion Code	Diversion point	

Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

POD

POD Number	1
POD Unit	Cubic Feet per Second
POD Status	Active
Direct Div Amount	0.27
Direct Div Ac Ft	70
Amount Storage	0
POD Max Dd	0.27
Source Max Dd Unit	Cubic Feet per Second
POD Max Storage	0
Source Max Storage Unit	Cubic Feet per Second
Diversion Code	Diversion point
Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Permit

Permit ID	14902
Water Right Description	Migrated data from old WRIMS system.
Issue Date	10/28/1965
Construction Completed by	
Planned Project Completion Date	

License

License ID	010924A
Issue Date	6/26/1997
Licensee Reporting Cycle	
First Licensee Report Year	

License Terms

Term ID	5
Version Number	1
Term Short Description	
DWR Specific Clauses	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	A020026B
Appliation Rec'd Date	3/9/1961
Application Acceptance Date	3/9/1961
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	CALIF DEPT OF PARKS & RECREATION
Primary Owner Entity Type	Government (State/Municipal)
Water Right Type	Appropriative
Face Value Amount	60
Face Value Units	Acre-feet per Year
Appl Fee Amount	0
Appl Fee Amt Recd	0
Max DD Appl	0.14
Max DD Units	Cubic Feet per Second
Max DD Ann	60
Max Storage	0
Max Use Ann	60
Year First Use	0
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	6/26/1997
Effective To Date	
Salutation	
Entity Type	Government (State/Municipal)
Last Name	CALIF DEPT OF PARKS & RECREATION
Middle Name	
First Name	
Mailing Street Number	
Mailing Street Name	PO BOX 942896
Mailing Address Line2	
Mailing City	SACRAMENTO
Mailing State	CA
Mailing Zip	94296
Mailing Country	USA
Mailing Foreign Code	
Billing Street Number	
Billing Street Name	PO BOX 942896
Billing Address Line2	
Billing City	SACRAMENTO

	Billing State	CA
	Billing Zip	94296
	Billing Country	USA
	Billing Foreign Code	
	Phone	
Status		
	Current Status	Licensed
Uses		
	Use Code	Irrigation
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	19
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	55.2
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Apr
	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Domestic
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	7.2
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Jan
	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Irrigation
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0

Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	0

POD

POD Number	1
POD Unit	Cubic Feet per Second
POD Status	Active
Direct Div Amount	0.14
Direct Div Ac Ft	60
Amount Storage	0
POD Max Dd	0.14
Source Max Dd Unit	Cubic Feet per Second
POD Max Storage	0
Source Max Storage Unit	Cubic Feet per Second
Diversion Code	Diversion point
Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A020026B
Object ID	179063
Pod Number	1
Has Opod	N
Appl Pod	A020026B_01
podId	11447
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2451536
East Coord	5641183
Quarter Quarter	SE
Quarter	NE
Section Classifier	
Section Number	10
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP (AKA PHELAN SPRING)
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

POD

POD Number	1
POD Unit	Cubic Feet per Second
POD Status	Active
Direct Div Amount	0.14
Direct Div Ac Ft	60
Amount Storage	0
POD Max Dd	0.14
Source Max Dd Unit	Cubic Feet per Second

POD Max Storage	0
Source Max Storage Unit	Cubic Feet per Second
Diversion Code	Diversion point
Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A020026B
Object ID	179109
Pod Number	1
Has Opod	Y
Appl Pod	A020026B_01
podId	40134
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2454336
East Coord	5639783
Quarter Quarter	SW
Quarter	SW
Section Classifier	
Section Number	4
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP (AKA CHISHOLM SPRING)
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

Permit

Permit ID	14902
Water Right Description	Migrated data from old WRIMS system.
Issue Date	10/28/1965
Construction Completed by	
Planned Project Completion Date	

License

License ID	010924B
Issue Date	6/26/1997
Licensee Reporting Cycle	
First Licensee Report Year	

License Terms

Term ID	5
Version Number	1
Term Short Description	
DWR Specific Clauses	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	A025881
Appliation Rec'd Date	
Application Acceptance Date	12/6/1978
Notice Date	
Protest	
Number of Protests	0
Agent Name	MARTIN CEPKAUSKAS
Agent Entity Type	Individual
Primary Owner	HEARST HOLDINGS INC
Primary Owner Entity Type	Government (State/Municipal)
Water Right Type	Appropriative
Face Value Amount	1607
Face Value Units	Acre-feet per Year
Appl Fee Amount	24
Appl Fee Amt Recd	24
Max DD Appl	5.06
Max DD Units	Cubic Feet per Second
Max DD Ann	1607
Max Storage	0
Max Use Ann	1607
Year First Use	0
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Agent
Effective From Date	12/13/2001
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	CEPKAUSKAS
Middle Name	
First Name	MARTIN

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Government (State/Municipal)
Last Name	HEARST HOLDINGS INC
Middle Name	
First Name	
Mailing Street Number	
Mailing Street Name	5 THIRD ST STE 200
Mailing Address Line2	
Mailing City	SAN FRANCISCO
Mailing State	CA
Mailing Zip	94103
Mailing Country	USA
Mailing Foreign Code	
Billing Street Number	
Billing Street Name	5 3RD ST STE 200
Billing Address Line2	
Billing City	SAN FRANCISCO
Billing State	CA
Billing Zip	94103
Billing Country	USA
Billing Foreign Code	
Phone	4157778196

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	12/12/2001
Salutation	
Entity Type	Individual
Last Name	BATTAGLIA
Middle Name	M
First Name	PHILLIP

Status

Current Status	Permitted

Uses

Use Code	Irrigation
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	300
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	1607
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	0

Use Seasons

Direct Div Season Begin Date	1-Jan

	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Municipal
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	1607
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Jan
	Direct Div Season End Date	31-Dec
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
POD		
	POD Number	1
	POD Unit	Cubic Feet per Second
	POD Status	Active
	Direct Div Amount	5.06
	Direct Div Ac Ft	1607
	Amount Storage	0
	POD Max Dd	5.06
	Source Max Dd Unit	Cubic Feet per Second
	POD Max Storage	0
	Source Max Storage Unit	Cubic Feet per Second
	Diversion Code	Diversion point
	Diversion Type	Storage
	Storage Type	Diversion point
POD GIS Maintained Data		
	Appl ID	A025881
	Object ID	179178
	Pod Number	1
	Has Opod	N
	Appl Pod	A025881_01
	podId	9745
	County	San Luis Obispo
	Parcel Number	
	Sp Zone	5
	North Coord	2462937
	East Coord	5589681
	Quarter Quarter	SW
	Quarter	NE
	Section Classifier	P
	Section Number	36
	Township Number	25
	Township Direction	S
	Range Number	6
	Range Direction	E
	Meridian	21
	Location Method	DD_NE
	Source Name	ARROYO DE LA CRUZ UNDERFLOW
	TribDesc	
	Watershed	ESTERO BAY
	Quad Map Name	PIEDRAS BLANCAS
Permit		
	Permit ID	19247
	Water Right Description	Migrated data from old WRIMS system.
	Issue Date	5/29/1984
	Construction Completed by	
	Planned Project Completion Date	12/31/1906
Permit Terms		
	Term ID	140500
	Version Number	1
	Term Short Description	Monitoring Plans
	DWR Specific Clauses	
Permit Terms		
	Term ID	999
	Version Number	1
	Term Short Description	
	DWR Specific Clauses	
Permit Terms		
	Term ID	60999
	Version Number	1
	Term Short Description	
	DWR Specific Clauses	
Permit Terms		
	Term ID	29

	Version Number	1
	Term Short Description	Permit Term 29 - Water Management/Water Conservation, Irrigation System Evaluation (Note - Not carried over into license)
	DWR Specific Clauses	
Permit Terms		
	Term ID	400500
	Version Number	1
	Term Short Description	Invasive Species
	DWR Specific Clauses	
Permit Terms		
	Term ID	290101
	Version Number	1
	Term Short Description	
	DWR Specific Clauses	
Permit Terms		
	Term ID	600
	Version Number	1
	Term Short Description	
	DWR Specific Clauses	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	A027126
Appliation Rec'd Date	
Application Acceptance Date	11/25/1981
Notice Date	
Protest	
Number of Protests	0
Agent Name	MARTIN CEPKAUSKAS
Agent Entity Type	Individual
Primary Owner	HEARST HOLDINGS INC
Primary Owner Entity Type	Government (State/Municipal)
Water Right Type	Appropriative
Face Value Amount	72
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	72
Max Use Ann	72
Year First Use	0
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	3/29/1995
Salutation	
Entity Type	Individual
Last Name	BATTAGLIA
Middle Name	M
First Name	PHILLIP

Parties

Name Type	Agent
Effective From Date	12/13/2001
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	CEPKAUSKAS
Middle Name	
First Name	MARTIN

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Government (State/Municipal)
Last Name	HEARST HOLDINGS INC
Middle Name	

First Name	
Mailing Street Number	
Mailing Street Name	5 THIRD ST STE 200
Mailing Address Line2	
Mailing City	SAN FRANCISCO
Mailing State	CA
Mailing Zip	94103
Mailing Country	USA
Mailing Foreign Code	
Billing Street Number	
Billing Street Name	5 3RD ST STE 200
Billing Address Line2	
Billing City	SAN FRANCISCO
Billing State	CA
Billing Zip	94103
Billing Country	USA
Billing Foreign Code	
Phone	4157778196

Parties

Name Type	Agent
Effective From Date	3/30/1995
Effective To Date	12/12/2001
Salutation	
Entity Type	Individual
Last Name	COOKE
Middle Name	J
First Name	A

Status

Current Status	Permitted

Uses

Use Code	Stockwatering
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	72

Use Seasons

Direct Div Season Begin Date	
Direct Div Season End Date	
Season Direct Div Rate (New)	0
Season Direct Div Rate Units	
Season Direct Div Annual Amount (New) (AFA)	0
Direct Div Season Status (New)	Migrated from old WRIMS data
Storage Season Begin Date	1-Nov
Storage Season End Date	31-Mar
Season Storage Amount (AFA)	72
Collection Season Status (New)	Migrated from old WRIMS data

Uses

Use Code	Domestic
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	72

Use Seasons

	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	31-Mar
	Season Storage Amount (AFA)	72
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Irrigation
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	35
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	0
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	72
Use Seasons		
	Direct Div Season Begin Date	
	Direct Div Season End Date	
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	1-Nov
	Storage Season End Date	31-Mar
	Season Storage Amount (AFA)	72
	Collection Season Status (New)	Migrated from old WRIMS data
POD		
	POD Number	1
	POD Unit	Gallons per Day
	POD Status	Active
	Direct Div Amount	0
	Direct Div Ac Ft	0
	Amount Storage	72
	POD Max Dd	0
	Source Max Dd Unit	Gallons per Day
	POD Max Storage	72
	Source Max Storage Unit	Gallons per Day
	Diversion Code	Diversion point
	Diversion Type	Storage
	Storage Type	Diversion point
POD GIS Maintained Data		
	Appl ID	A027126
	Object ID	179062
	Pod Number	1
	Has Opod	N
	Appl Pod	A027126_01
	podId	4164
	County	San Luis Obispo
	Parcel Number	
	Sp Zone	5
	North Coord	2451536
	East Coord	5641183
	Quarter Quarter	SE
	Quarter	NW
	Section Classifier	P
	Section Number	10
	Township Number	26
	Township Direction	S

Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP (AKA PHELAN SPRING)
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	72
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	72
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A027126
Object ID	179106
Pod Number	1
Has Opod	Y
Appl Pod	A027126_01
podId	39440
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2454336
East Coord	5639573
Quarter Quarter	SW
Quarter	SW
Section Classifier	P
Section Number	4
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP (AKA CHISOLM SPRING)
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

Permit

Permit ID	20775
Water Right Description	Migrated data from old WRIMS system.
Issue Date	2/23/1995
Construction Completed by	
Planned Project Completion Date	

Permit Terms

Term ID	22	
Version Number	1	
Term Short Description	Term 22	Right of Access

DWR Specific Clauses

Permit Terms

Term ID	000005J
Version Number	1
Term Short Description	
DWR Specific Clauses	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	A027212
Appliation Rec'd Date	
Application Acceptance Date	2/17/1982
Notice Date	
Protest	
Number of Protests	0
Agent Name	MARTIN CEPKAUSKAS
Agent Entity Type	Individual
Primary Owner	HEARST HOLDINGS INC
Primary Owner Entity Type	Government (State/Municipal)
Water Right Type	Appropriative
Face Value Amount	65
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0.41
Max DD Units	Cubic Feet per Second
Max DD Ann	65
Max Storage	0
Max Use Ann	65
Year First Use	0
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Government (State/Municipal)
Last Name	HEARST HOLDINGS INC
Middle Name	
First Name	
Mailing Street Number	
Mailing Street Name	5 THIRD ST STE 200
Mailing Address Line2	
Mailing City	SAN FRANCISCO
Mailing State	CA
Mailing Zip	94103
Mailing Country	USA
Mailing Foreign Code	
Billing Street Number	
Billing Street Name	5 3RD ST STE 200

Billing Address Line2	
Billing City	SAN FRANCISCO
Billing State	CA
Billing Zip	94103
Billing Country	USA
Billing Foreign Code	
Phone	4157778196

Parties

Name Type	Agent
Effective From Date	9/15/1994
Effective To Date	12/12/2001
Salutation	
Entity Type	Individual
Last Name	BATTAGLIA
Middle Name	M
First Name	PHILLIP

Parties

Name Type	Agent
Effective From Date	12/13/2001
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	CEPKAUSKAS
Middle Name	
First Name	MARTIN

Status

Current Status	Permitted

Uses

Use Code	Irrigation
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	46
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	65
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	0

Use Seasons

Direct Div Season Begin Date	1-Dec
Direct Div Season End Date	30-Apr
Season Direct Div Rate (New)	0
Season Direct Div Rate Units	
Season Direct Div Annual Amount (New) (AFA)	0
Direct Div Season Status (New)	Migrated from old WRIMS data
Storage Season Begin Date	
Storage Season End Date	
Season Storage Amount (AFA)	0
Collection Season Status (New)	Migrated from old WRIMS data

Uses

	Use Code	Domestic
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	65
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Dec
	Direct Div Season End Date	30-Apr
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
Uses		
	Use Code	Stockwatering
	Use Status (New)	Migrated from old WRIMS data
	Use Population	0
	Use Net Acreage	0
	Use Gross Acreage	0
	Use Direct Diversion Annual Amount (AFA)	65
	Use Direct Diversion Rate (New)	0
	Use Direct Diversion Rate Units	
	Use Storage Amount (New) (AFA)	0
Use Seasons		
	Direct Div Season Begin Date	1-Dec
	Direct Div Season End Date	30-Apr
	Season Direct Div Rate (New)	0
	Season Direct Div Rate Units	
	Season Direct Div Annual Amount (New) (AFA)	0
	Direct Div Season Status (New)	Migrated from old WRIMS data
	Storage Season Begin Date	
	Storage Season End Date	
	Season Storage Amount (AFA)	0
	Collection Season Status (New)	Migrated from old WRIMS data
POD		
	POD Number	1
	POD Unit	Cubic Feet per Second
	POD Status	Active
	Direct Div Amount	0.41
	Direct Div Ac Ft	0
	Amount Storage	0
	POD Max Dd	0.41
	Source Max Dd Unit	Cubic Feet per Second
	POD Max Storage	0
	Source Max Storage Unit	Cubic Feet per Second
	Diversion Code	Diversion point

Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A027212
Object ID	179108
Pod Number	1
Has Opod	Y
Appl Pod	A027212_01
podId	6678
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2454336
East Coord	5639783
Quarter Quarter	SW
Quarter	SW
Section Classifier	
Section Number	4
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP (AKA CHISOLM SPRING)
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

POD

POD Number	1
POD Unit	Cubic Feet per Second
POD Status	Active
Direct Div Amount	0.41
Direct Div Ac Ft	0
Amount Storage	0
POD Max Dd	0.41
Source Max Dd Unit	Cubic Feet per Second
POD Max Storage	0
Source Max Storage Unit	Cubic Feet per Second
Diversion Code	Diversion point
Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A027212
Object ID	179065
Pod Number	1
Has Opod	N
Appl Pod	A027212_01
podId	38644
County	San Luis Obispo
Parcel Number	
Sp Zone	5

North Coord	2451536
East Coord	5641183
Quarter Quarter	SE
Quarter	NW
Section Classifier	
Section Number	10
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP (AKA PHELAN SPRING)
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

Permit

Permit ID	20906
Water Right Description	Migrated data from old WRIMS system.
Issue Date	3/18/1997
Construction Completed by	
Planned Project Completion Date	

Permit Terms

Term ID	5
Version Number	1
Term Short Description	
DWR Specific Clauses	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	A029851
Appliation Rec'd Date	
Application Acceptance Date	11/1/1990
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	CALIF DEPT OF PARKS & RECREATION
Primary Owner Entity Type	Government (State/Municipal)
Water Right Type	Appropriative
Face Value Amount	2.8
Face Value Units	Acre-feet per Year
Appl Fee Amount	100
Appl Fee Amt Recd	100
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	2.8
Max Use Ann	2.8
Year First Use	0
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Government (State/Municipal)
Last Name	CALIF DEPT OF PARKS & RECREATION
Middle Name	
First Name	
Mailing Street Number	
Mailing Street Name	PO BOX 942896
Mailing Address Line2	
Mailing City	SACRAMENTO
Mailing State	CA
Mailing Zip	94296
Mailing Country	USA
Mailing Foreign Code	
Billing Street Number	
Billing Street Name	PO BOX 942896
Billing Address Line2	
Billing City	SACRAMENTO

Billing State	CA
Billing Zip	94296
Billing Country	USA
Billing Foreign Code	
Phone	9163221948

Status

Current Status	Permitted

Uses

Use Code	Domestic
Use Status (New)	Migrated from old WRIMS data
Use Population	6000
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	2.8

Use Seasons

Direct Div Season Begin Date	
Direct Div Season End Date	
Season Direct Div Rate (New)	0
Season Direct Div Rate Units	
Season Direct Div Annual Amount (New) (AFA)	0
Direct Div Season Status (New)	Migrated from old WRIMS data
Storage Season Begin Date	1-Nov
Storage Season End Date	31-Mar
Season Storage Amount (AFA)	2.8
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	2.8
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	2.8
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A029851
Object ID	179110
Pod Number	1
Has Opod	Y
Appl Pod	A029851_01
podId	933
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2454386

East Coord	5639758
Quarter Quarter	SW
Quarter	SW
Section Classifier	
Section Number	4
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	0
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	2.8
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Storage
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	A029851
Object ID	179060
Pod Number	1
Has Opod	N
Appl Pod	A029851_01
podId	29525
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2451486
East Coord	5640983
Quarter Quarter	SE
Quarter	NW
Section Classifier	
Section Number	10
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNSP
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

Permit

Permit ID	20924
Water Right Description	Migrated data from old WRIMS system.
Issue Date	6/19/1997
Construction Completed by	
Planned Project Completion Date	12/31/2002

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C000612
Appliation Rec'd Date	
Application Acceptance Date	12/30/1976
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	WALTER M WARREN
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	2.5
Max Use Ann	0
Year First Use	1958
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	WARREN
Middle Name	M
First Name	WALTER

Status

Current Status	Certified

Uses

Use Code	Stockwatering
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	2.5

Use Seasons

Direct Div Season Begin Date	
Direct Div Season End Date	
Season Direct Div Rate (New)	0
Season Direct Div Rate Units	
Season Direct Div Annual Amount (New) (AFA)	0
Direct Div Season Status (New)	Migrated from old WRIMS data
Storage Season Begin Date	1-Nov
Storage Season End Date	1-May
Season Storage Amount (AFA)	2.5
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	2.5
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C000612
Object ID	179058
Pod Number	1
Has Opod	Y
Appl Pod	C000612_01
podId	2016
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2451486
East Coord	5640983
Quarter Quarter	NW
Quarter	NW

Section Classifier	
Section Number	10
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	612
Issue Date	4/14/1978
Licensee Reporting Cycle	
First Licensee Report Year	

SWRCB	Division of Water Rights - e-WRIMS	10/14/2009
	1) Select Columns A, B, and C)	
	2) Format / Column / Autofit Selection	
	3) Left Justify Column Text	

Application

Application ID	C000613
Appliation Rec'd Date	
Application Acceptance Date	12/30/1976
Notice Date	
Protest	
Number of Protests	0
Agent Name	
Agent Entity Type	
Primary Owner	WALTER M WARREN
Primary Owner Entity Type	Individual
Water Right Type	Stockpond
Face Value Amount	0
Face Value Units	Acre-feet per Year
Appl Fee Amount	10
Appl Fee Amt Recd	10
Max DD Appl	0
Max DD Units	Gallons per Day
Max DD Ann	0
Max Storage	1
Max Use Ann	0
Year First Use	1950
Billing Determination	Not Determined
Power Discount %	0
FERC #	
FERC Facility	
Initial 401 Certification Start	
Initial 401 Certification End	
Renewed 401 Certification Start	
Renewed 401 Certification End	
Kilowatts Face Plate	0

Parties

Name Type	Primary Owner
Effective From Date	9/15/1994
Effective To Date	
Salutation	
Entity Type	Individual
Last Name	WARREN
Middle Name	M
First Name	WALTER

Status

Current Status	Certified

Uses

Use Code	Stockwatering
Use Status (New)	Migrated from old WRIMS data
Use Population	0
Use Net Acreage	0
Use Gross Acreage	0
Use Direct Diversion Annual Amount (AFA)	0
Use Direct Diversion Rate (New)	0
Use Direct Diversion Rate Units	
Use Storage Amount (New) (AFA)	1

Use Seasons

Direct Div Season Begin Date	
Direct Div Season End Date	
Season Direct Div Rate (New)	0
Season Direct Div Rate Units	
Season Direct Div Annual Amount (New) (AFA)	0
Direct Div Season Status (New)	Migrated from old WRIMS data
Storage Season Begin Date	1-Nov
Storage Season End Date	1-May
Season Storage Amount (AFA)	1
Collection Season Status (New)	Migrated from old WRIMS data

POD

POD Number	1
POD Unit	Gallons per Day
POD Status	Active
Direct Div Amount	0
Direct Div Ac Ft	0
Amount Storage	1
POD Max Dd	0
Source Max Dd Unit	Gallons per Day
POD Max Storage	0
Source Max Storage Unit	Gallons per Day
Diversion Code	Diversion point
Diversion Type	Direct Diversion
Storage Type	Diversion point

POD GIS Maintained Data

Appl ID	C000613
Object ID	179059
Pod Number	1
Has Opod	Y
Appl Pod	C000613_01
podId	13524
County	San Luis Obispo
Parcel Number	
Sp Zone	5
North Coord	2451486
East Coord	5640983
Quarter Quarter	NW
Quarter	SE

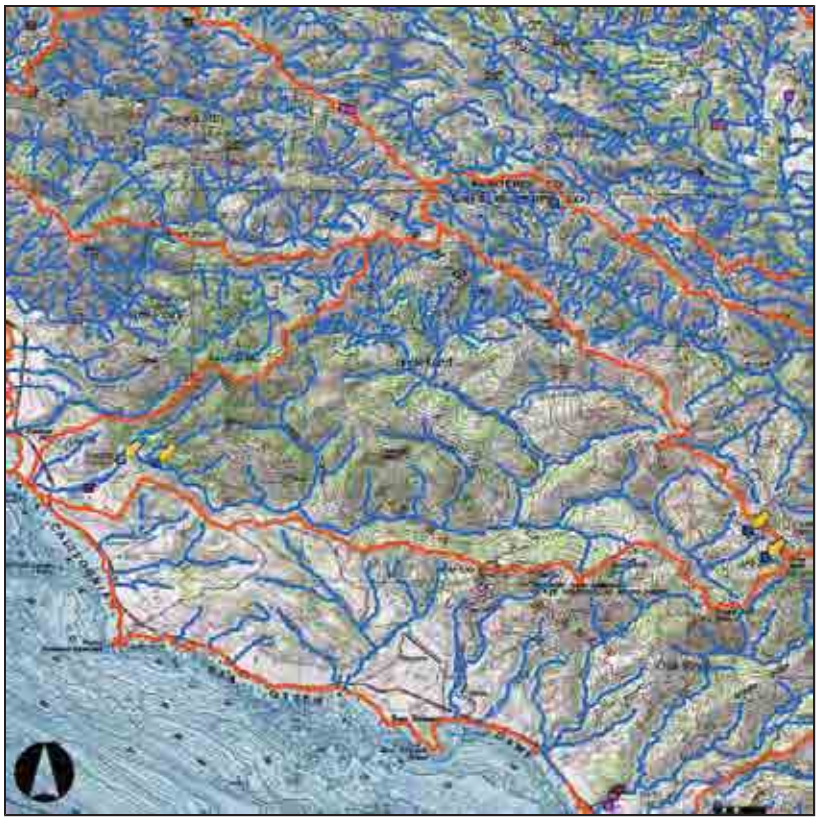
Section Classifier	
Section Number	10
Township Number	26
Township Direction	S
Range Number	8
Range Direction	E
Meridian	21
Location Method	DD_NE
Source Name	UNST
TribDesc	
Watershed	ESTERO BAY
Quad Map Name	PEBBLESTONE SHUT-IN

Permit

Permit ID	
Water Right Description	
Issue Date	
Construction Completed by	
Planned Project Completion Date	

License

License ID	613
Issue Date	4/14/1978
Licensee Reporting Cycle	
First Licensee Report Year	



water rights upstream of
USGS 11142500
Arroyo De La Cruz NR San Simeon

Points of Diversion (12)

Points of Diversion (2)

Points of Diversion
- Adjudicated
- Cancelled
- Certified
- Claimed
- Claimed - Local Oversight
- Inactive
- Licensed
- Pending

Points of Diversion (continued)
- Permitted
- Registered
- Revoked
- State Filing
- Temporary

Lakes (1:24K)

Rivers (1:24K)

Super Planning Watersheds

NGS USA Topographic Maps

Select POD Results

Points of Diversion (2)

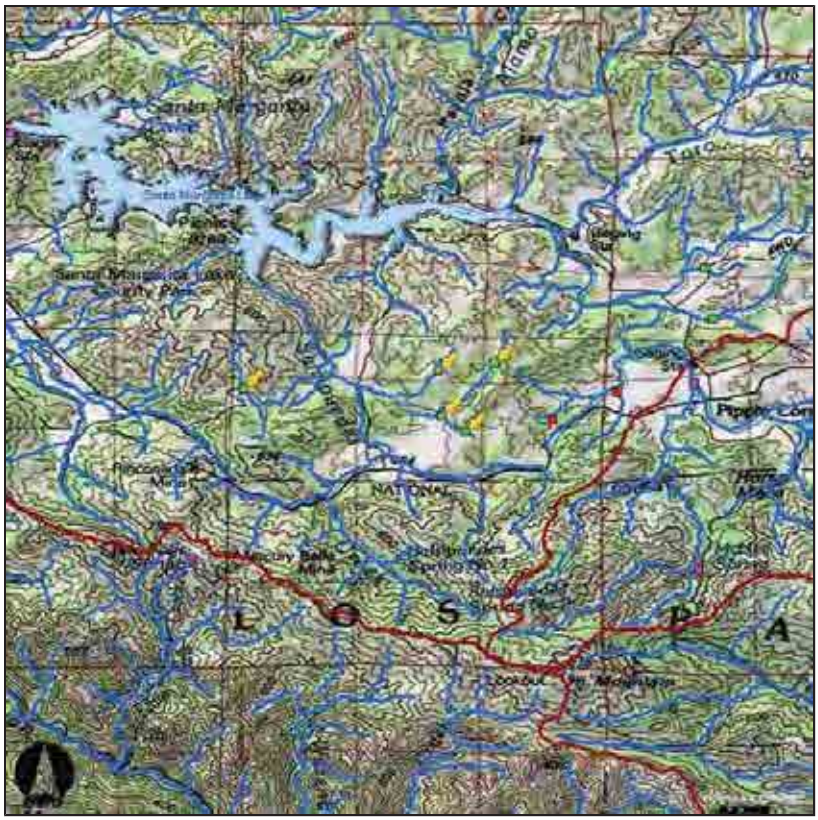
POD_ID	APPL_ID	POD_NUM	APPL_POD	TOWNSHIP_NUMBER	TOWNSHIP_DIRECTION	RANGE_NUMBER	RANGE_DIRECTION	SECTION_NUMBER	SECTION_CLASSIFIER	QUARTER	QUARTER
34643	A019108	01	A019108_01	25	S	6	E	35		NE	NE
9745	A025881	01	A025881_01	25	S	6	E	36	P	NE	SW

Select POD Results

Points of Diversion (12)

POD_ID	APPL_ID	POD_NUM	APPL_POD	TOWNSHIP_NUMBER	TOWNSHIP_DIRECTION	RANGE_NUMBER	RANGE_DIRECTION	SECTION_NUMBER	SECTION_CLASSIFIER	QUARTER	QUARTE
7099	A020026	01	A020026_01	26	S	8	E	10		NW	SE
3121	A020026	01	A020026_01	26	S	8	E	4		SW	SW
40134	A020026B	01	A020026B_01	26	S	8	E	4		SW	SW
11447	A020026B	01	A020026B_01	26	S	8	E	10		NE	SE
4164	A027126	01	A027126_01	26	S	8	E	10	P	NW	SE

39440	A027126	01	A027126_01	26	S	8	E	4	P	SW	SW
38644	A027212	01	A027212_01	26	S	8	E	10		NW	SE
6678	A027212	01	A027212_01	26	S	8	E	4		SW	SW
933	A029851	01	A029851_01	26	S	8	E	4		SW	SW
29525	A029851	01	A029851_01	26	S	8	E	10		NW	SE
2016	C000612	01	C000612_01	26	S	8	E	10		NW	NW
13524	C000613	01	C000613_01	26	S	8	E	10		SE	NW



Points of Diversion (1)

Points of Diversion (4)

Points of Diversion
- Adjudicated
- Cancelled
- Certified
- Claimed
- Claimed - Local Oversight
- Inactive
- Licensed
- Pending

Points of Diversion (continued)
- Permitted
- Registered
- Revoked
- State Filing
- Temporary

Lakes (1:24K)

Rivers (1:24K)

Super Planning Watersheds

NGS USA Topographic Maps

Select POD Results

Points of Diversion (4)

POD_ID	APPL_ID	POD_NUM	APPL_POD	TOWNSHIP_NUMBER	TOWNSHIP_DIRECTION	RANGE_NUMBER	RANGE_DIRECTION	SECTION_NUMBER	SECTION_CLASSIFIER	QUARTER	QUARTER
45387	C004801	01	C004801_01	30	S	14	E	23		NE	SW
39550	C004802	01	C004802_01	30	S	14	E	14		SE	SW
22131	C004803	01	C004803_01	30	S	14	E	13		SW	SW
39551	C005409	01	C005409_01	30	S	14	E	23		SE	NE

Select POD Results

Points of Diversion (1)

POD_ID	APPL_ID	POD_NUM	APPL_POD	TOWNSHIP_NUMBER	TOWNSHIP_DIRECTION	RANGE_NUMBER	RANGE_DIRECTION	SECTION_NUMBER	SECTION_CLASSIFIER	QUARTER	QUARTER
32606	C003486	01	C003486_01	30	S	14	E	22		NW	NW

G200
USG-2
1977
v. 1

Water Resources Data for California

Water Year 1977

Volume 1. Colorado River Basin, Southern Great Basin from Mexican Border to Mono Lake Basin, and Pacific Slope Basins from Tijuana River to Santa Maria River

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CA-77-1

Prepared in cooperation with the California Department of Water Resources and with other agencies

11137400 ALAMO CREEK NEAR NIPOMO, CA

LOCATION.--Lat 35°02'55", long 120°18'05", in Huasna Grant, San Luis Obispo County, on right bank 3.2 mi (5.1 km) upstream from mouth, and 10 mi (16 km) east of Nipomo.

DRAINAGE AREA.--83.3 mi^2 (215.7 km^2).

PERIOD OF RECORD.--March 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 650 ft (198 m), from topographic map. Prior to Oct. 1, 1966, at datum 2.00 ft (0.610 m) higher.

REMARKS.--No flow since Mar. 22, 1975. No regulation or diversion above station.

AVERAGE DISCHARGE.--18 years, 7.14 ft^3/s (0.202 m^3/s), 5,170 acre-ft/yr (6.37 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,020 ft^3/s (255 m^3/s) Jan. 25, 1969, gage height, 10.51 ft (3.203 m), from rating curve extended above 3,100 ft^3/s (87.8 m^3/s) on basis of slope-area measurement at gage height 10.30 ft (3.139 m); no flow for all or part of each year.

EXTREMES FOR CURRENT YEAR.--No flow during year.

G200
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1978
v.2
Repl

Water Resources Data for California

Volume 2. Pacific Slope Basins from Arroyo Grande to Oregon State Line except Central Valley

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BERKELEY

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CA-78-2

WATER YEAR 1978

Prepared in cooperation with the California Department of Water Resources and with other agencies

RESOURCES
CENTER ARCHIVES
OCT 1979
UNIVERSITY OF CALIFORNIA
[redacted]

11141600 LOS BERROS CREEK NEAR NIPOMO, CA

LOCATION.--Lat 35°05'17", long 120°30'32", in Nipomo Grant (on boundary), San Luis Obispo County, Hydrologic Unit 18060006, on left bank at upstream side of bridge, 0.8 mi (1.3 km) downstream from Adobe Creek, and 3.7 mi (6.0 km) northwest of Nipomo.

DRAINAGE AREA.--15.0 mi^2 (38.8 km^2).

PERIOD OF RECORD.--August 1968 to September 1978 (discontinued).

GAGE.--Water-stage recorder and broad-crested weir. Altitude of gage is 312 ft (95 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Apr. 10 to May 16, which are fair. No regulation or diversion above station.

AVERAGE DISCHARGE.--10 years, 2.20 ft^3/s (0.062 m^3/s), 1,590 acre-ft/yr (1.96 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 599 ft^3/s (17.0 m^3/s) Jan. 25, 1969, gage height, 5.43 ft (1.655 m), from rating curve extended above 230 ft^3/s (6.51 m^3/s) on basis of slope-area measurement of maximum flow; no flow Oct. 6 to Dec. 26, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 20 ft^3/s (0.6 m^3/s), revised, and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 16	1345	259	7.33	3.67	1.119	Mar. 4	1115	*402	11.4	4.41	1.344
Feb. 10	0715	368	10.4	4.23	1.289	Mar. 11	1245	31	.88	2.04	.622
Feb. 13	1130	159	4.50	3.11	.948	Apr. 17	0430	46	1.30	2.20	.671

Minimum daily discharge, no flow Oct. 6 to Dec. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01		0	.15	1.3	6.0	6.2	4.7	1.9	.84	.46	.46
2	.01		0	.15	1.2	6.4	6.0	4.4	2.0	.85	.46	.64
3	.01		0	.16	1.1	11	5.5	4.0	1.8	.78	.45	.56
4	.01		0	.16	.99	197	5.4	3.4	1.7	.84	.39	.50
5	.01		0	.31	1.3	70	4.3	3.2	1.7	.71	.38	.52
6	0		0	2.6	1.6	37	6.3	3.3	1.7	.72	.36	.42
7	0		0	1.7	8.3	22	7.6	3.4	1.6	.74	.36	.41
8	0		0	1.3	25	17	7.0	3.6	1.6	.77	.36	.39
9	0		0	2.3	145	15	6.1	3.3	1.6	.90	.34	.36
10	0		0	5.0	231	13	5.1	3.2	1.4	.89	.31	.37
11	0		0	3.7	65	12	6.2	3.1	1.3	.77	.31	.37
12	0		0	2.7	46	10	5.1	3.1	1.3	.74	.33	.36
13	0		0	2.1	75	8.8	4.7	3.0	1.3	.71	.28	.36
14	0		0	6.9	49	8.3	4.1	2.8	1.3	.55	.39	.36
15	0		0	30	29	7.7	9.6	2.6	1.4	.68	.41	.37
16	0		0	76	18	7.2	17	2.4	1.4	.77	.41	.30
17	0		0	57	13	6.6	13	2.3	1.2	.74	.41	.34
18	0		0	18	9.9	6.5	9.4	2.3	1.1	.74	.41	.30
19	0		0	18	8.6	6.3	7.5	2.3	1.1	.73	.49	.38
20	0		0	16	7.4	6.8	6.2	2.2	1.1	.66	.56	.39
21	0		0	8.8	6.8	6.2	5.8	2.2	1.2	.64	.48	.44
22	0		0	6.0	6.2	7.2	5.6	2.2	1.1	.59	.41	.36
23	0		0	3.3	5.7	7.8	5.2	2.2	1.1	.55	.44	.29
24	0		0	1.9	5.3	6.9	5.8	2.3	1.0	.56	.40	.27
25	0		0	2.8	5.2	6.3	9.2	2.2	.96	.52	.41	.26
26	0		0	2.3	5.1	5.4	6.6	2.1	1.0	.48	.33	.22
27	0		1.0	2.0	5.2	5.0	6.0	2.0	1.1	.45	.40	.22
28	0		1.1	1.8	6.3	4.6	5.4	1.9	1.2	.48	.50	.26
29	0		.21	1.7	---	4.7	5.0	1.8	1.3	.46	.51	.24
30	0		.16	1.5	---	5.4	4.8	1.8	1.1	.46	.49	.24
31	0	---	.15	1.4	---	7.1	---	1.9	---	.46	.49	---
TOTAL	.05	0	2.62	277.73	783.49	541.2	201.7	85.2	40.56	20.78	12.73	10.96
MEAN	.002	0	.085	8.96	28.0	17.5	6.72	2.75	1.35	.67	.41	.37
MAX	.01	0	1.1	76	231	197	17	4.7	2.0	.90	.56	.64
MIN	0	0	0	.15	.99	4.6	4.1	1.8	.96	.45	.28	.22
AC-FT	.10	0	5.2	551	1550	1070	400	169	80	41	25	22

CAL YR 1977 TOTAL 73.84 MEAN .20 MAX 1.1 MIN 0 AC-FT 146
WTR YR 1978 TOTAL 1977.02 MEAN 5.42 MAX 231 MIN 0 AC-FT 3920

11142080 MORRO CREEK AT MORRO BAY, CA

LOCATION.--Lat 35°22'42", long 120°51'12", in Moro Y Cayucos Grant, San Luis Obispo County, Hydrologic Unit 18060006, on left bank at upstream side of frontage road bridge in town of Morro Bay, and 700 ft (213 m) downstream from Little Morro Creek.

DRAINAGE AREA.--24.0 mi^2 (62.2 km^2).

PERIOD OF RECORD.--October 1970 to September 1978 (discontinued).

GAGE.--Water-stage recorder. Concrete control since Nov. 7, 1971. Altitude of gage is 20 ft (6.1 m), from topographic map.

REMARKS.--Records good including those for period of no gage-height record, July 25 to Sept. 30. No regulation; small diversion above station for individual use.

AVERAGE DISCHARGE.--8 years, 8.87 ft^3/s (0.251 m^3/s), 6,430 acre-ft/yr (7.93 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,960 ft^3/s (55.5 m^3/s) Jan. 18, 1973, gage height, 10.38 ft (3.164 m), from rating curve extended above 440 ft^3/s (12.5 m^3/s) on basis of slope-area measurement of maximum flow; no flow for long periods in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 60 ft^3/s (1.7 m^3/s) and maximum (*) from rating curve extended as explained above:

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 27	1615	407	11.5	5.11	1.558	Feb. 10	0330	858	24.3	6.85	2.088
Jan. 5	2400	166	4.70	4.01	1.222	Feb. 12	1730	*1120	31.7	7.75	2.362
Jan. 9	1030	360	10.2	4.90	1.494	Mar. 4	0815	813	23.0	6.69	2.039
Jan. 16	1400	780	22.1	6.57	2.003	Apr. 15	1600	336	9.52	4.78	1.457

Minimum daily discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	11	9.8	33	22	20	8.2	4.5	2.6	1.1
2			0	12	9.4	45	20	19	7.8	3.9	2.7	1.1
3			0	11	8.5	92	20	18	7.3	3.7	2.6	1.1
4			0	8.6	7.9	411	29	18	7.4	3.8	2.6	1.3
5			0	22	13	199	22	17	7.0	3.8	2.6	2.1
6			0	65	15	119	28	16	6.9	3.6	2.5	1.8
7			0	30	114	88	30	15	6.8	3.5	2.4	1.6
8			0	21	167	69	26	15	6.8	3.7	2.4	1.4
9			0	98	486	73	25	15	6.2	3.6	2.5	1.3
10			0	89	451	56	24	14	5.5	3.5	2.4	1.4
11			0	42	165	53	23	14	5.7	3.6	2.2	1.4
12			0	29	337	42	22	13	5.3	3.4	2.1	1.4
13			0	21	295	36	22	13	4.9	3.1	2.1	1.3
14			0	99	153	34	21	12	4.7	3.0	2.0	1.4
15			0	177	103	32	86	12	4.7	3.0	2.0	1.5
16			0	266	83	31	73	12	4.7	2.9	1.9	1.6
17			0	148	65	29	43	11	4.7	2.9	1.9	1.5
18			0	71	52	28	36	11	4.3	2.9	1.8	1.4
19			0	61	44	27	33	10	4.7	2.8	1.7	1.3
20			0	52	39	26	30	10	4.9	2.9	1.7	1.2
21			0	41	35	25	28	10	5.0	2.9	1.7	1.1
22			0	33	34	34	26	10	4.7	2.8	1.7	.90
23			.91	28	32	25	24	9.8	4.5	2.8	1.7	.78
24			0	24	30	24	23	9.8	4.2	2.8	1.6	.74
25			0	21	28	23	32	9.5	4.1	2.7	1.5	.75
26			.01	18	27	23	35	9.0	4.3	2.7	1.4	.76
27			122	17	26	22	24	8.7	4.4	2.7	1.3	.78
28			161	15	35	22	22	8.0	4.1	2.6	1.3	.79
29			37	14	---	22	21	7.8	4.0	2.5	1.2	.78
30			23	13	---	23	20	7.8	4.1	2.5	1.2	.75
31		---	16	11	---	26	---	7.9	---	2.5	1.1	---
TOTAL	0	0	359.92	1568.6	2864.6	1792	890	383.3	161.9	97.6	60.4	36.33
MEAN	0	0	11.6	50.6	102	57.8	29.7	12.4	5.40	3.15	1.95	1.21
MAX	0	0	161	266	486	411	86	20	8.2	4.5	2.7	2.1
MIN	0	0	0	8.6	7.9	22	20	7.8	4.0	2.5	1.1	.74
AC-FT	0	0	714	3110	5680	3550	1770	760	321	194	120	72

CAL YR 1977 TOTAL 394.77 MEAN 1.08 MAX 161 MIN 0 AC-FT 783
WTR YR 1978 TOTAL 8214.65 MEAN 22.5 MAX 486 MIN 0 AC-FT 16290

11142100 TORO CREEK NEAR MORRO BAY, CA

LOCATION.--Lat 35°25'31", long 120°51'53", in Moro Y Cayucos Grant, San Luis Obispo County, Hydrologic Unit 18060006, on left bank at downstream side of county road bridge, 0.5 mi (0.5 km) downstream from small right-bank tributary, and 2.3 mi (3.7 km) north of town of Morro Bay.

DRAINAGE AREA.--14.0 mi^2 (36.3 km^2).

PERIOD OF RECORD.--October 1970 to September 1978 (discontinued).

GAGE.--Water-stage recorder. Concrete control since Aug. 2, 1972. Altitude of gage is 40 ft (12 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Apr. 16 to May 17, which are fair. No regulation; small diversion above station for individual use.

AVERAGE DISCHARGE.--8 years, 5.74 ft^3/s (0.163 m^3/s), 4,160 acre-ft/yr (5.13 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,600 ft^3/s (130 m^3/s) Jan. 18, 1973, gage height, 9.65 ft (2.941 m), from rating curve extended above 140 ft^3/s (3.96 m^3/s) on basis of slope-area measurement of maximum flow; no flow at times in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 40 ft^3/s (1.1 m^3/s) and maximum (*) from rating curve extended as explained above:

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 27	1530	264	7.48	2.87	.875	Feb. 28	2200	142	4.02	2.35	.716
Jan. 5	2330	463	13.1	3.51	1.070	Mar. 4	0815	264	7.48	2.87	.875
Jan. 9	1000	254	7.19	2.83	.863	Mar. 9	1400	100	2.83	2.13	.649
Jan. 14	2115	752	21.3	4.26	1.298	Mar. 22	0245	54	1.53	1.84	.561
Jan. 19	0230	182	5.15	2.53	.771	Apr. 4	0515	87	2.46	2.05	.625
Feb. 8	1930	597	16.9	3.88	1.183	Apr. 15	1400	616	17.4	3.93	1.198
Feb. 12	1615	*801	22.7	4.37	1.332						

Minimum daily discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	3.5	6.0	19	13	12	4.7	2.3	1.8	.79
2			0	5.1	5.6	36	12	12	4.5	2.1	1.8	.83
3			0	3.8	5.2	58	12	11	4.6	2.1	1.8	.84
4			0	3.4	5.0	163	25	11	4.7	2.1	1.8	1.2
5			0	19	6.2	110	16	11	4.7	2.2	1.7	1.5
6			0	65	5.9	76	25	10	4.7	2.3	1.7	1.2
7			0	22	67	60	25	9.4	4.0	2.3	1.6	1.1
8			0	13	124	51	21	9.1	3.8	2.4	1.7	.99
9			0	53	235	54	19	8.9	3.5	2.4	1.6	.95
10			0	56	189	43	19	8.7	3.3	2.3	1.4	1.0
11			0	30	93	39	18	8.5	3.4	2.3	1.4	1.0
12			0	18	165	35	17	7.9	3.2	2.4	1.4	.90
13			0	12	132	32	16	7.6	3.0	2.3	1.4	.87
14			0	70	79	29	15	7.3	3.0	2.3	1.3	.96
15			0	104	55	27	91	7.2	3.1	2.1	1.3	1.0
16			0	144	46	26	50	7.0	3.2	2.2	1.3	1.1
17			.65	87	36	24	35	6.5	3.3	2.2	1.2	1.1
18			.13	56	30	22	28	6.1	3.0	2.1	1.1	1.0
19			0	68	26	20	25	5.9	2.9	2.1	1.1	.90
20			0	41	25	19	21	5.7	2.9	2.1	1.1	.81
21			0	32	24	19	19	5.7	2.9	1.9	1.2	.75
22			0	28	20	28	18	5.7	2.9	1.7	1.2	.65
23			.49	22	18	20	17	5.7	2.9	1.7	1.1	.52
24			0	17	16	17	16	5.5	2.8	1.7	1.1	.50
25			0	14	15	16	22	5.3	2.7	1.7	1.0	.47
26			0	12	14	15	24	5.3	2.8	1.7	.98	.41
27			52	9.9	14	14	16	5.2	2.8	1.7	.89	.45
28			79	8.9	23	13	14	5.0	2.6	1.6	.78	.56
29			20	7.7	---	13	14	4.6	2.5	1.6	.81	.53
30			8.9	6.9	---	13	13	4.5	2.5	1.6	.77	.62
31		---	5.1	6.4	---	17	---	4.6	---	1.8	.73	---
TOTAL	0	0	166.27	1038.6	1479.9	1128	676	229.9	100.9	63.3	40.06	25.50
MEAN	0	0	5.36	33.5	52.9	36.4	22.5	7.42	3.36	2.04	1.29	.85
MAX	0	0	79	144	235	163	91	12	4.7	2.4	1.8	1.5
MIN	0	0	0	3.4	5.0	13	12	4.5	2.5	1.6	.73	.41
AC-FT	0	0	330	2060	2940	2240	1340	456	200	126	79	51

CAL YR 1977 TOTAL 189.52 MEAN .52 MAX 79 MIN 0 AC-FT 376
WTR YR 1978 TOTAL 4948.43 MEAN 13.6 MAX 235 MIN 0 AC-FT 9820

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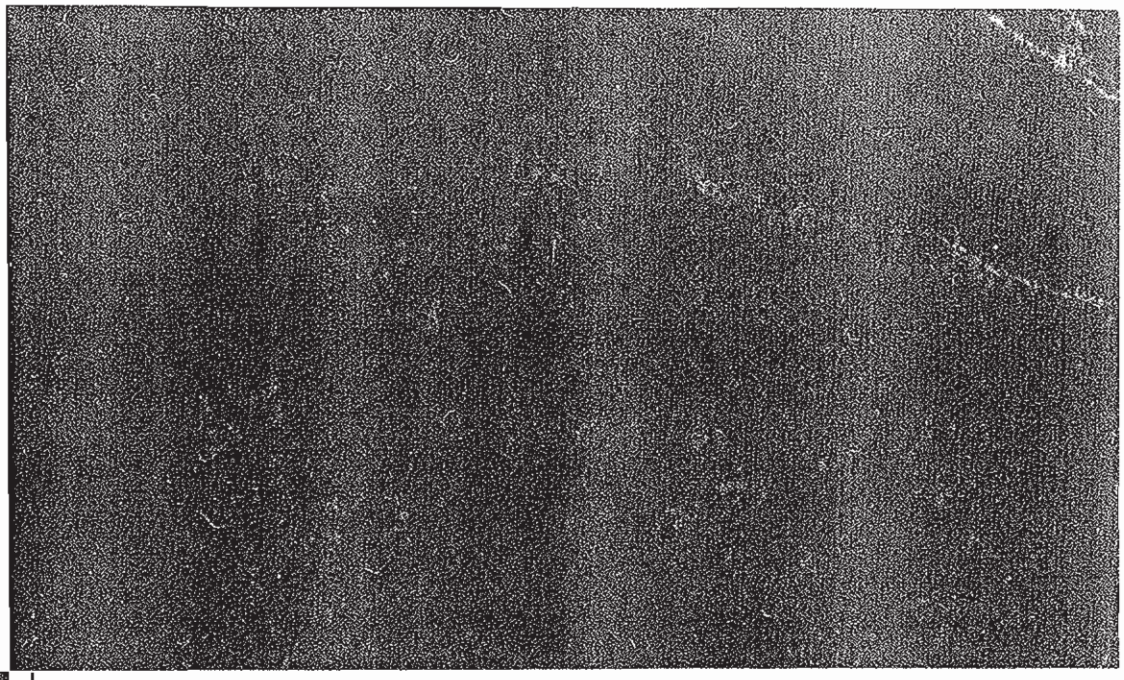

Water Resources Data for California

Volume 2. Pacific Slope Basins from Arroyo Grande to Oregon State Line except Central Valley

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MAR 1981
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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CA-79-2

WATER YEAR 1979

Prepared in cooperation with the California Department of Water Resources and with other agencies

11142500 ARROYO DE LA CRUZ NEAR SAN SIMEON, CA

LOCATION.--Lat 35°43'02", long 121°17'02", in Piedra Blanca Grant, San Luis Obispo County, Hydrologic Unit 18060006, on right bank 1.7 mi (2.7 km) upstream from mouth, and 7 mi (11 km) northwest of San Simeon.

DRAINAGE AREA.--41.2 mi^2 (106.7 km^2).

PERIOD OF RECORD.--October 1950 to September 1979 (discontinued).

REVISED RECORDS.--WSP 1245: 1951. WSP 1929: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 22 ft (6.7 m), from topographic map.

REMARKS.--Records good. No regulation or diversion above station.

AVERAGE DISCHARGE.--29 years, 54.4 ft^3/s (1.541 m^3/s), 39,410 acre-ft (48.6 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,200 ft^3/s (997 m^3/s) Dec. 6, 1966, gage height, 15.27 ft (4.654 m), from rating curve extended above 7,600 ft^3/s (215 m^3/s) on basis of slope-area measurements at gage heights 12.40 ft (3.780 m) and 15.27 ft (4.654 m); no flow for long periods in each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s (71 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 15	0115	*7600	215	9.42	2.871
Feb. 20	1930	4130	117	7.68	2.341

Minimum daily discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	7.4	1.1	545	212	168	17	8.1	1.4		
2		0	6.0	.98	392	167	138	17	7.2	1.2		
3		0	4.3	.93	274	148	118	16	6.6	1.1		
4		0	3.5	.93	194	136	103	15	6.0	1.0		
5		0	3.0	.92	145	125	92	14	5.6	.90		
6		0	2.2	.84	108	116	82	14	5.2	.89		
7		0	1.6	.80	79	110	74	13	4.9	.86		
8		0	1.2	163	55	104	66	13	4.5	.84		
9		0	1.1	212	38	99	58	12	4.0	.80		
10		0	1.1	56	35	94	55	11	3.5	.78		
11		0	1.0	33	33	90	54	11	3.1	.76		
12		0	.93	47	32	87	51	10	2.9	.71		
13		0	.92	25	502	83	48	10	2.7	.63		
14		0	.80	398	797	79	45	10	2.6	.26		
15		0	.80	1950	334	81	42	10	2.8	.11		
16		0	.80	577	402	107	39	11	2.8	.04		
17		0	.85	125	265	210	37	11	2.7	.01		
18		0	.99	180	213	114	35	10	2.5	0		
19		0	16	125	189	99	32	11	2.4	0		
20		0	17	91	758	93	30	11	2.4	0		
21		793	11	66	851	86	28	11	2.4	0		
22		261	7.2	50	536	81	27	12	2.3	0		
23		112	4.8	44	482	77	27	12	2.2	0		
24		58	3.4	41	328	73	25	12	2.2	0		
25		36	2.7	38	264	69	24	12	2.2	0		
26		23	2.1	34	231	207	25	11	2.1	0		
27		17	1.7	30	199	1040	32	10	1.9	0		
28		13	1.6	27	180	966	23	9.5	1.6	0		
29		10	1.5	26	---	609	20	9.3	1.5	0		
30		8.3	1.3	45	---	321	18	9.3	1.4	0		
31		---	1.1	783	---	222	---	8.8	---	0		---
TOTAL	0	1331.3	109.89	5172.50	8461	6105	1616	363.9	102.3	12.29	0	0
MEAN	0	44.4	3.54	167	302	197	53.9	11.7	3.41	.40	0	0
MAX	0	793	17	1950	851	1040	168	17	8.1	1.4	0	0
MIN	0	0	.80	.80	32	69	18	8.8	1.4	0	0	0
AC-FT	0	2640	218	10260	16780	12110	3210	722	203	24	0	0

CAL YR 1978 TOTAL 36152.44 MEAN 99.0 MAX 3180 MIN 0 AC-FT 71710
WTR YR 1979 TOTAL 23274.18 MEAN 63.8 MAX 1950 MIN 0 AC-FT 46160

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Volume 2. Pacific Slope Basins from Arroyo Grande to Oregon State Line except Central Valley

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CA-83-2
Prepared in cooperation with the California Department of Water Resources and with other agencies

11143500 SALINAS RIVER NEAR POZO, CA

LOCATION.--Lat 35°17'55", long 120°24'10", in NE 1/4 sec.19, T.30 S., R.15 E., San Luis Obispo County, Hydrologic Unit 18060005, on right bank at downstream side of county road bridge, 1.0 mi downstream from Pozo Creek, 1.6 mi west of Pozo, and 7.4 mi upstream from Salinas Dam.

DRAINAGE AREA.--70.3 mi^2.

PERIOD OF RECORD.--July 1942 to September 1983 (discontinued).

REVISED RECORDS.--WSP 1565: 1943(M). WSP 2129: 1952, 1953(P), 1954(M), 1958(M), 1960(M). WDR CA-74-1: 1973.

GAGE.--Water-stage recorder. Datum of gage is 1,347.78 ft National Geodetic Vertical Datum of 1929. Prior to May 13, 1969, water-stage recorder at site 0.4 mi downstream at same datum.

REMARKS.--Records poor. No regulation or diversion above station. Water is stored in Santa Margarita Lake below station.

AVERAGE DISCHARGE.--41 years, 19.5 ft^3/s, 14,130 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft^3/s Jan. 25, 1969, gage height, 13.90 ft in gage well, 15.5 ft site then in use, from floodmarks, from rating curve extended above 7,100 ft^3/s on basis of slope-area measurement of maximum flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft^3/s and maximum (*) from rating curve extended above 620 ft^3/s on basis of slope-area measurement of peak flow:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	0815	2,770	16.84	Feb. 8	0200	1,790	15.34
Dec. 22	1800	*5,270	19.59	Feb. 12	0515	431	12.04
Jan. 24	0915	2,880	16.98	Mar. 1	0345	3,850	18.13
Jan. 27	0500	3,560	17.81				

Minimum daily, 0.93 ft^3/s Oct. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.5	60	12	118	1570	50	141	7.6	5.0	3.1	2.3
2	.97	1.4	8.0	10	103	1140	46	108	7.0	4.9	3.0	2.3
3	.97	1.4	7.0	8.6	91	681	43	81	7.6	4.8	2.9	2.3
4	1.0	1.3	6.0	7.4	75	435	41	65	8.3	4.4	2.9	2.2
5	1.0	1.4	5.1	6.5	67	308	38	56	10	4.0	2.8	2.2
6	1.1	1.4	4.9	5.9	88	242	36	45	9.8	4.1	2.7	2.3
7	1.1	1.4	5.3	5.2	289	196	34	40	9.1	3.7	2.7	2.3
8	1.1	1.4	4.7	4.7	862	160	33	35	9.2	3.8	2.7	2.2
9	1.1	3.7	4.5	4.3	305	130	31	33	9.3	3.8	2.7	2.1
10	1.1	2.9	4.4	3.8	192	110	30	29	10	3.9	2.7	2.1
11	1.1	2.0	4.5	3.4	146	97	29	27	10	4.0	2.7	2.0
12	1.1	1.8	4.6	3.2	173	80	28	26	10	3.8	2.6	1.8
13	1.0	1.8	4.3	2.9	285	110	27	25	11	3.7	2.4	1.8
14	.93	1.8	4.4	2.7	160	87	24	24	12	3.6	2.5	1.5
15	.98	1.8	4.4	2.7	118	65	22	22	9.2	3.5	2.4	1.4
16	.95	1.8	4.4	2.7	99	110	21	21	4.0	3.5	2.3	1.3
17	1.0	1.8	4.1	2.5	84	135	20	19	5.0	3.5	2.3	1.3
18	1.0	3.5	4.1	10	77	220	68	18	5.8	3.4	2.7	1.2
19	.98	3.3	4.1	29	65	150	79	17	6.0	3.3	3.3	1.1
20	1.0	2.3	4.1	14	56	130	70	15	6.4	3.2	2.8	1.2
21	1.1	2.1	4.5	9.6	49	165	87	14	6.8	3.1	2.8	1.3
22	1.2	2.2	1570	897	44	130	58	12	6.7	3.1	2.7	1.4
23	1.2	2.2	445	594	40	150	51	11	6.6	3.2	2.7	1.4
24	1.3	2.1	101	1190	37	240	91	9.7	6.4	3.3	2.6	1.4
25	1.5	2.1	55	321	66	160	66	10	6.3	3.2	2.5	1.5
26	2.4	2.1	37	165	177	120	52	10	5.7	3.2	2.6	1.4
27	1.5	2.0	26	1860	805	90	42	9.8	5.4	3.1	2.4	1.4
28	1.3	2.0	22	541	502	82	48	9.8	5.3	3.0	2.4	1.4
29	1.2	7.7	22	476	---	70	57	9.7	5.1	3.1	2.3	1.6
30	1.8	718	18	218	---	60	157	9.3	5.0	3.1	2.6	1.8
31	1.7	---	15	147	---	53	---	8.7	---	3.0	2.4	---
TOTAL	36.68	782.2	2468.4	6560.1	5173	7476	1479	961.0	226.6	112.3	82.2	51.5
MEAN	1.18	26.1	79.6	212	185	241	49.3	31.0	7.55	3.62	2.65	1.72
MAX	2.4	718	1570	1860	862	1570	157	141	12	5.0	3.3	2.3
MIN	.93	1.3	4.1	2.5	37	53	20	8.7	4.0	3.0	2.3	1.1
AC-FT	73	1550	4900	13010	10260	14830	2930	1910	449	223	163	102

CAL YR 1982 TOTAL 12439.3 MEAN 34.2 MAX 1900 MIN .78 AC-FT 24670
WTR YR 1983 TOTAL 25408.98 MEAN 69.8 MAX 1860 MIN .93 AC-FT 50400

11144200 SALSIPUEDES CREEK NEAR POZO, CA

LOCATION.--Lat 35°17'34", long 120°27'07", in NW 1/4 SW 1/4 sec.23, T.30 S., R.14 E., San Luis Obispo County, Hydrologic Unit 18060005, on left bank 1.9 mi upstream from mouth, and 4.4 mi west of Pozo.

DRAINAGE AREA.--5.91 mi^2.

PERIOD OF RECORD.--October 1969 to September 1983 (discontinued).

REVISED RECORDS.--WDR CA-72-1: 1971(P).

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 1,480 ft, from topographic map.

REMARKS.--Records fair except for period of faulty or no gage-height record, Feb. 19 to July 16, which is poor. No regulation or diversion above station.

AVERAGE DISCHARGE.--14 years, 2.64 ft^3/s, 1,920 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft^3/s Feb. 21, 1980, gage height, 6.12 ft, from rating curve extended above 67 ft^3/s on basis of slope-area measurements at gage heights 4.58 ft and 5.88 ft; no flow for long periods in each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft^3/s, and maximum (*) from rating curve extended as explained above:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	Unknown	976	4.94	Jan. 26	2315	313	3.05
Dec. 22	1530	1,250	5.64	Feb. 7	2200	495	3.65
Jan. 24	0545	*1,260	5.66	Mar. 1	0045	1,130	5.34

Minimum, no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	4.0	1.9	11	276	6.2	10	.63	.04	0	.01
2		0	2.0	1.7	14	150	5.5	8.0	.57	.03	0	.01
3		0	1.0	1.6	11	90	5.2	6.8	.52	.03	0	.01
4		0	.65	1.5	8.8	65	4.7	6.0	.48	.03	0	.01
5		0	.48	1.4	9.3	48	4.4	5.4	.43	.02	0	.01
6		0	.35	1.2	21	38	4.2	4.9	.39	.02	0	.01
7		0	.29	1.1	68	31	4.0	4.5	.37	.02	0	.01
8		0	.23	1.1	63	26	3.9	4.2	.33	.02	0	.02
9		.14	.20	1.0	25	23	3.7	3.8	.30	.02	0	.02
10		.03	.18	.92	16	17	3.6	3.5	.28	.01	0	.02
11		0	.17	.89	12	15	3.4	3.3	.25	.01	0	.01
12		0	.16	.89	50	12	3.3	3.1	.23	.01	0	.01
13		0	.16	.79	43	15	3.1	2.9	.21	.01	0	.01
14		0	.15	.79	26	12	2.9	2.8	.19	.01	0	0
15		0	.16	.79	22	9.3	2.8	2.7	.17	.01	0	0
16		0	.15	.79	19	17	2.6	2.5	.16	.01	0	0
17		0	.13	.73	18	18	2.4	2.3	.14	0	0	0
18		0	.13	5.1	20	30	18	2.2	.13	0	0	0
19		.54	.13	6.1	19	18	12	2.0	.12	0	0	0
20		.30	.11	2.4	17	19	13	1.8	.11	0	0	0
21		.12	.43	2.1	14	23	15	1.7	.10	0	0	0
22		.06	296	141	13	18	14	1.6	.09	0	0	0
23		.07	31	39	12	22	9.0	1.5	.08	0	.01	0
24		.05	11	134	13	33	12	1.4	.07	0	0	0
25		.05	6.5	27	25	25	9.0	1.2	.07	0	0	0
26		.05	4.6	38	20	18	6.3	1.1	.06	0	0	0
27		.05	3.6	107	75	12	5.4	1.0	.06	0	0	0
28		.06	3.0	32	70	10	7.5	.92	.05	0	0	0
29		1.0	2.7	26	---	8.0	6.5	.85	.05	0	0	0
30		28	2.5	16	---	7.4	14	.75	.04	0	0	0
31		---	2.2	13	---	6.5	---	.70	---	0	0	---
TOTAL	0	30.52	374.36	607.79	735.1	1112.2	207.6	95.42	6.68	0.30	0.01	0.16
MEAN	0	1.02	12.1	19.6	26.3	35.9	6.92	3.08	.22	.010	.000	.005
MAX	0	28	296	141	75	276	18	10	.63	.04	.01	.02
MIN	0	0	.11	.73	8.8	6.5	2.4	.70	.04	0	0	0
AC-FT	0	61	743	1210	1460	2210	412	189	13	.6	.02	.3

CAL YR 1982 TOTAL 1395.23 MEAN 3.82 MAX 296 MIN 0 AC-FT 2770
WTR YR 1983 TOTAL 3170.14 MEAN 8.69 MAX 296 MIN 0 AC-FT 6290

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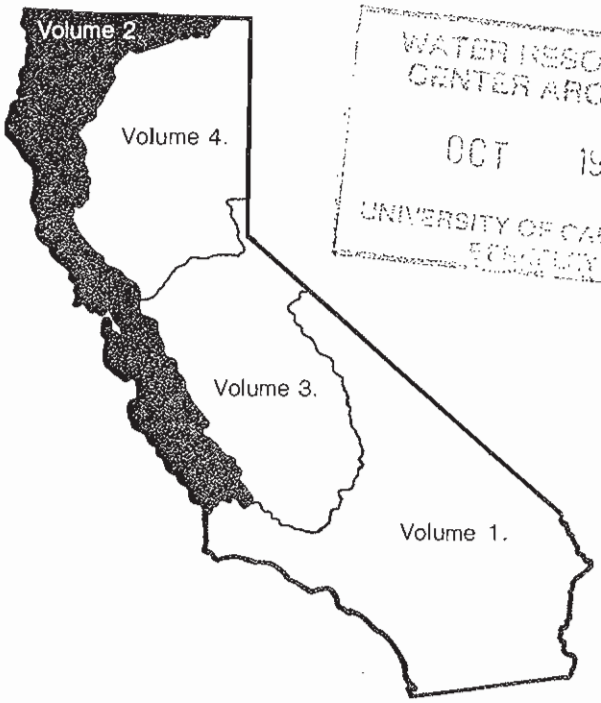

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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CA-89-2
Prepared in cooperation with the California Department of Water Resources and with other agencies

11142300 SAN SIMEON CREEK NEAR CAMBRIA, CA

LOCATION.--Lat 35°35'59", long 121°06'47", in San Simeon Grant, San Luis Obispo County, Hydrologic Unit 18060006, on right bank, 0.7 mi upstream of Highway 1 bridge and 3.0 mi northwest of Cambria.

DRAINAGE AREA.--26.3 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1987 to July 1989 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 12.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. No regulation or diversion upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 24	0930	*4,880	*15.05				

No flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	18	2.4	2.4	8.8	1.2	.00	.00	---	---
2	.00	.00	.00	11	2.1	48	7.8	1.1	.00	.00	---	---
3	.00	.00	.00	8.9	2.2	23	7.0	.89	.00	.00	---	---
4	.00	.00	.00	7.5	13	11	6.1	.37	.00	.00	---	---
5	.00	.00	.00	141	9.4	8.2	5.4	.18	.00	.00	---	---
6	.00	.00	.00	e43	5.5	7.2	4.7	.05	.00	.00	---	---
7	.00	.00	.00	24	4.4	6.7	4.1	.00	.00	.00	---	---
8	.00	.00	.00	17	4.5	6.0	3.7	.00	.00	.00	---	---
9	.00	.00	.00	14	36	5.4	3.1	.00	.00	.00	---	---
10	.00	.00	.00	12	17	5.1	3.1	.00	.00	.00	---	---
11	.00	.00	.00	10	11	11	3.0	.00	.00	.00	---	---
12	.00	.00	.00	8.2	8.9	9.4	2.8	.00	.00	---	---	---
13	.00	.00	.00	7.2	7.8	6.7	2.5	.00	.00	---	---	---
14	.00	.00	.00	6.8	6.7	6.0	2.6	.00	.00	---	---	---
15	.00	.00	.00	6.2	5.9	5.7	2.2	.00	.00	---	---	---
16	.00	.00	.00	5.7	5.5	11	2.1	.00	.00	---	---	---
17	.00	.00	.00	5.1	5.0	12	2.1	.00	.00	---	---	---
18	.00	.00	.00	4.7	4.8	8.3	2.3	.00	.00	---	---	---
19	.00	.00	.00	4.5	4.7	7.2	2.4	.00	.00	---	---	---
20	.00	.00	.00	4.0	4.3	6.6	2.3	.00	.00	---	---	---
21	.00	.00	.51	3.4	3.9	5.8	2.1	.00	.00	---	---	---
22	.00	.00	124	2.7	3.7	5.4	1.9	.00	.00	---	---	---
23	.00	.00	38	5.5	3.4	5.2	1.8	.00	.00	---	---	---
24	.00	.00	784	6.5	3.3	58	2.0	.00	.00	---	---	---
25	.00	.00	76	4.2	3.2	104	3.1	.00	.00	---	---	---
26	.00	.00	30	3.7	2.9	48	2.5	.00	.00	---	---	---
27	.00	.00	19	3.2	2.9	24	2.0	.00	.00	---	---	---
28	.00	.00	16	2.9	2.7	18	1.7	.00	.00	---	---	---
29	.00	.00	12	2.8	---	14	1.3	.00	.00	---	---	---
30	.00	.00	11	2.6	---	12	1.2	.00	.00	---	---	---
31	.00	---	26	2.5	---	10	---	.00	---	---	---	---
TOTAL	0.00	0.00	1136.51	398.8	187.1	511.3	97.7	3.79	0.00	---	---	---
MEAN	.00	.00	36.7	12.9	6.68	16.5	3.26	.12	.00	---	---	---
MAX	.00	.00	784	141	36	104	8.8	1.2	.00	---	---	---
MIN	.00	.00	.00	2.5	2.1	2.4	1.2	.00	.00	---	---	---
AC-FT	.0	.0	2250	791	371	1010	194	7.5	.0	---	---	---

CAL YR 1988 TOTAL 2591.50 MEAN 7.08 MAX 784 MIN .00 AC-FT 5140

e Estimated.

11142300 SAN SIMEON CREEK NEAR CAMBRIA, CA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Water year 1988 to February 1989 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN									
31...	1210	2.7	519	--	12.0	--	--	--	--
FEB									
23...	1325	3.6	495	8.20	17.0	240	44	31	16

DATE	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE DIS-SOLVED (MG/L AS BR)
JAN								
31...	--	--	--	--	--	--	--	--
FEB								
23...	13	0.5	1.1	216	44	13	0.10	<0.010

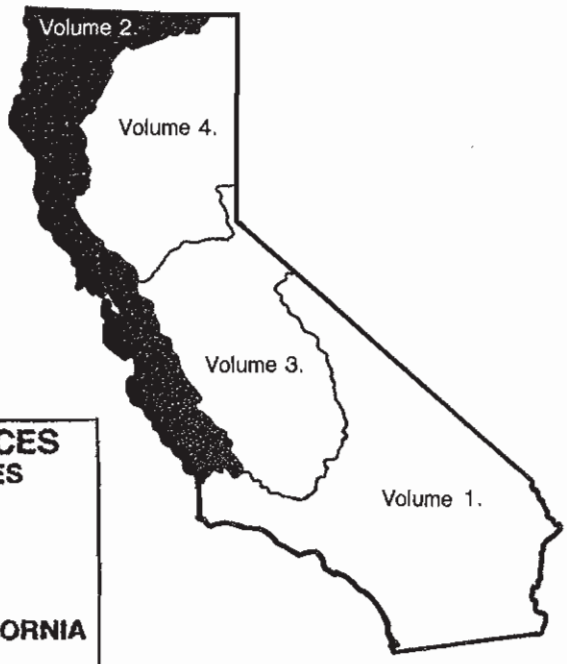
DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	BORON, DIS-SOLVED (UG/L AS B)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
JAN								
31...	--	--	--	--	--	--	--	--
FEB								
23...	14	292	294	<0.010	0.206	180	5	3

< Actual value is known to be less than the value shown.

G200
USG-2
1992
V.2
C.1

Water Resources Data California Water Year 1992

Volume 2. Pacific Slope Basins from Arroyo Grande to Oregon State Line except Central Valley



WATER RESOURCES
CENTER ARCHIVES

UNIVERSITY OF CALIFORNIA
BERKELEY

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CA-92-2
Prepared in cooperation with the California Department of Water Resources and with other agencies

ARROYO GRANDE BASIN

11141150 ARROYO GRANDE ABOVE PHOENIX CREEK, NEAR ARROYO GRANDE, CA

LOCATION.--Lat 35°11'19", long 120°26'03", in Arroyo Grande Grant, San Luis Obispo County, Hydrologic Unit 18060006, on right bank 0.4 mi upstream from county road bridge, 0.45 mi upstream from Phoenix Creek, and 9.2 mi northeast of Arroyo Grande.

DRAINAGE AREA.--13.4 mi^2.

PERIOD OF RECORD.--June 1967 to September 1992 (discontinued).
CHEMICAL DATA: Water year 1977.
WATER TEMPERATURE: Water years 1968-73.
SEDIMENT DATA: Water years 1967-73, June 1990.

REVISED RECORDS.--WDR CA-70-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 560 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to May 24, 1984, at site 0.4 mi downstream at different datum.

REMARKS.--Records poor. No regulation or diversion upstream from station except for small stock ponds.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,270 ft^3/s, Jan. 25, 1969, gage height, 6.83 ft, in gage well, 6.57 ft from floodmarks, site and datum then in use, from rating curve extended above 350 ft^3/s on basis of slope-area measurement of peak flow; maximum gage height, 8.29 ft, Apr. 4, 1978, from floodmark, site and datum then in use; minimum daily discharge, 0.12 ft^3/s, Sept. 7, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 12	e0630	e*225	unknown	Feb. 15	e0445	e200	unknown

Minimum daily, 0.28 ft^3/s, Sept. 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.30	e.45	e.62	e1.3	e.82	e1.6	e1.3	1.1	.84	.79	.49	.55
2	e.30	e.42	e.62	e.83	e.82	e1.6	e1.3	1.1	.79	.76	.53	.42
3	e.30	e.41	e.62	e.80	e.82	e1.5	e1.3	1.1	.80	.66	.48	.38
4	e.31	e.40	e.62	e.90	e.81	e1.5	e1.3	1.2	.87	.67	.50	.39
5	e.31	e.40	e.62	e10	e.81	e1.6	e1.3	1.3	.99	.58	.40	.41
6	e.31	e.40	e.62	e7.0	e.81	e4.0	e1.3	1.3	1.1	.44	.43	.43
7	e.31	e.40	e.64	e7.4	e.80	e3.5	e1.3	1.4	1.1	.40	.41	.33
8	e.31	e.40	e.70	e3.8	e.80	e2.6	e1.3	1.5	1.1	.44	.38	.33
9	e.32	e.41	e.69	e2.0	e.80	e2.0	e1.3	1.5	1.1	.45	.41	.33
10	e.32	e.70	e.67	e1.5	e17	e1.8	1.3	1.5	1.3	.47	.43	.39
11	e.32	e.67	e.66	e1.3	e28	e1.7	1.2	1.5	1.4	.53	.46	.37
12	e.32	e.60	e.66	e1.1	e56	e1.6	1.2	1.5	1.4	.64	.38	.39
13	e.32	e.53	e.66	e1.0	e45	e1.6	1.3	1.3	1.5	.70	.39	.41
14	e.33	e.50	e.66	e.97	e35	e1.5	1.4	1.3	1.6	.71	.42	.37
15	e.33	e.48	e.66	e.94	e60	e1.5	1.3	1.3	1.7	.73	.41	.38
16	e.33	e.46	e.66	e.94	e35	e1.5	1.3	1.2	1.0	.64	.41	.41
17	e.33	e.50	e.66	e.91	e18	e1.5	1.3	1.1	1.2	.62	.41	.39
18	e.33	e1.0	e.66	e.90	e9.0	e1.5	1.3	1.1	1.4	.63	.39	.39
19	e.34	e.96	e.66	e.88	e4.8	e1.4	1.5	1.1	1.5	.54	.42	.39
20	e.34	e.81	e.66	e.87	e3.3	e1.4	1.5	1.0	1.5	.55	.39	.38
21	e.34	e.73	e.66	e.86	e2.8	e1.4	1.6	1.0	1.4	.55	.40	.29
22	e.34	e.68	e.66	e.86	e2.5	e2.0	1.5	1.0	1.3	.51	.43	.28
23	e.35	e.67	e.66	e.86	e2.3	e1.9	1.5	1.0	1.2	.47	.44	.31
24	e.35	e.66	e.66	e.85	e2.1	e1.7	1.5	1.0	1.1	.52	.45	.33
25	e.35	e.65	e.66	e.85	e2.0	e1.6	1.4	1.0	.96	.52	.44	.38
26	e.80	e.64	e.66	e.84	e1.9	e1.5	1.4	.99	.95	.54	.42	.37
27	e.77	e.63	e.66	e.84	e1.8	e1.5	1.3	.94	.93	.58	.33	.40
28	e.64	e.63	e3.5	e.84	e1.7	e1.5	1.3	.90	.79	.49	.40	.42
29	e.57	e.63	e6.0	e.84	e1.7	e1.4	1.2	.93	.75	.54	.45	.42
30	e.51	e.62	e6.4	e.83	---	e1.4	1.2	.91	.83	.57	.51	.41
31	e.48	---	e2.5	e.83	---	e1.4	---	.86	---	.46	.51	---
TOTAL	11.88	17.44	36.04	54.64	337.19	54.2	40.2	35.93	34.40	17.70	13.32	11.45
MEAN	.38	.58	1.16	1.76	11.6	1.75	1.34	1.16	1.15	.57	.43	.38
MAX	.80	1.0	6.4	10	60	4.0	1.6	1.5	1.7	.79	.53	.55
MIN	.30	.40	.62	.80	.80	1.4	1.2	.86	.75	.40	.33	.28
AC-FT	24	35	71	108	669	108	80	71	68	35	26	23

e Estimated.

11141150 ARROYO GRANDE ABOVE PHOENIX CREEK, NEAR ARROYO GRANDE, CA--Continued

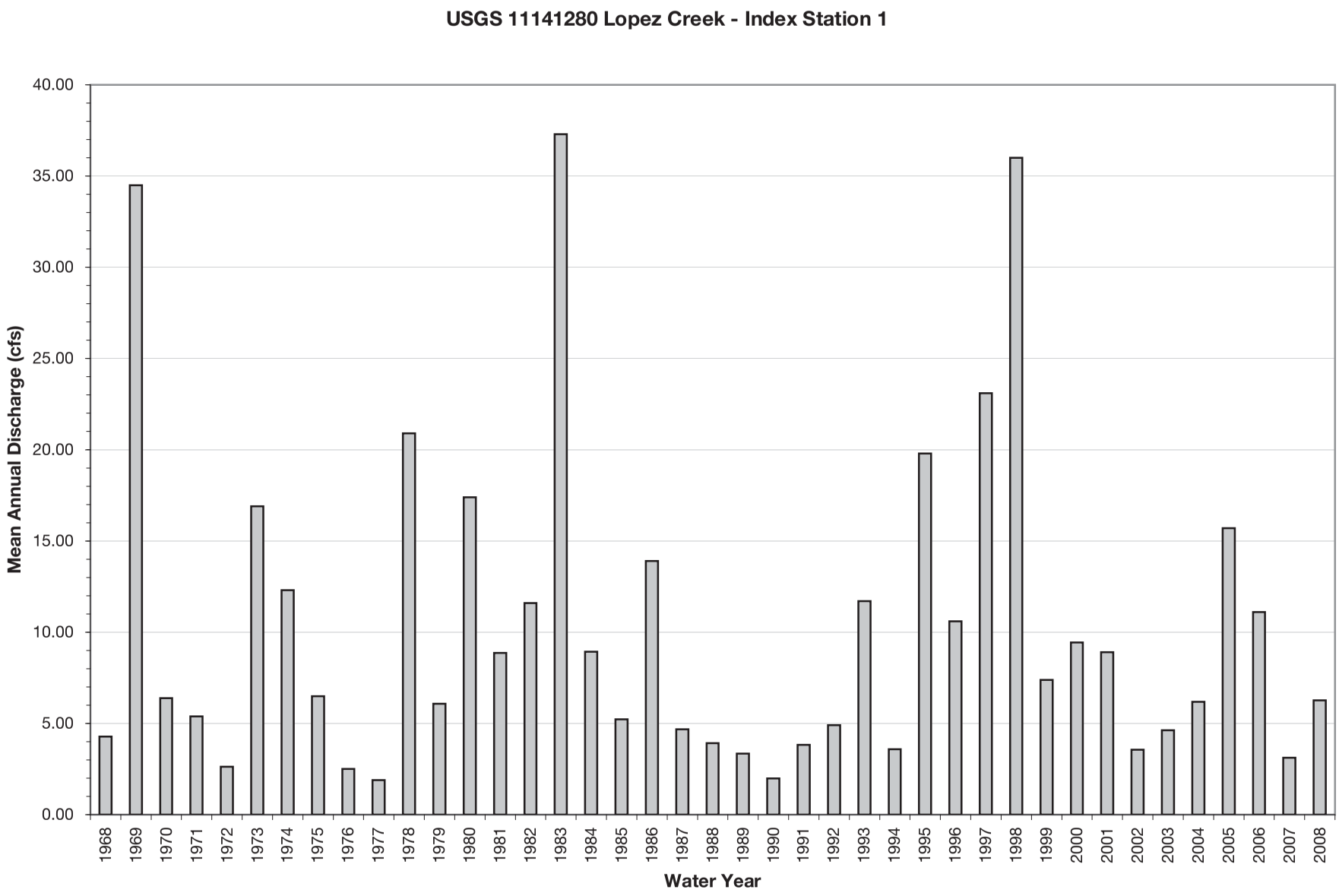
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.96	1.39	1.90	4.93	7.42	6.67	3.36	1.84	1.47	1.07	.83	.76
MAX	1.95	4.75	6.75	47.8	42.3	32.2	16.0	5.90	4.23	2.84	2.07	1.50
(WY)	1984	1983	1983	1969	1969	1986	1982	1983	1983	1983	1983	1986
MIN	.32	.40	.41	.52	.66	.80	.57	.43	.28	.18	.20	.26
(WY)	1991	1991	1991	1991	1991	1990	1990	1990	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1967 - 1992	
ANNUAL TOTAL	288.75		664.39			
ANNUAL MEAN	.79		1.82		2.68	
HIGHEST ANNUAL MEAN					10.8	1969
LOWEST ANNUAL MEAN					.50	1990
HIGHEST DAILY MEAN	8.6	Mar 20	60	Feb 15	391	Jan 25 1969
LOWEST DAILY MEAN	.30	Sep 29	.28	Sep 22	.12	Sep 7 1977
ANNUAL SEVEN-DAY MINIMUM	.30	Sep 27	.31	Oct 1	.16	Aug 5 1990
INSTANTANEOUS PEAK FLOW			225	Feb 12	1270	Jan 25 1969
INSTANTANEOUS PEAK STAGE			.00	Feb 12	8.29	Apr 4 1978
ANNUAL RUNOFF (AC-FT)	573		1320		1940	
10 PERCENT EXCEEDS	.99		1.7		3.6	
50 PERCENT EXCEEDS	.62		.80		1.2	
90 PERCENT EXCEEDS	.34		.38		.43	

Attachment 2

Mean Annual Discharge and Kendall's Tau Correlation Tests (Lopez Creek and Nacimiento River)



11141280_LopezCr_maq.xls : CHT

USGS 11141280 LOPEZ C NR ARROYO GRANDE CA

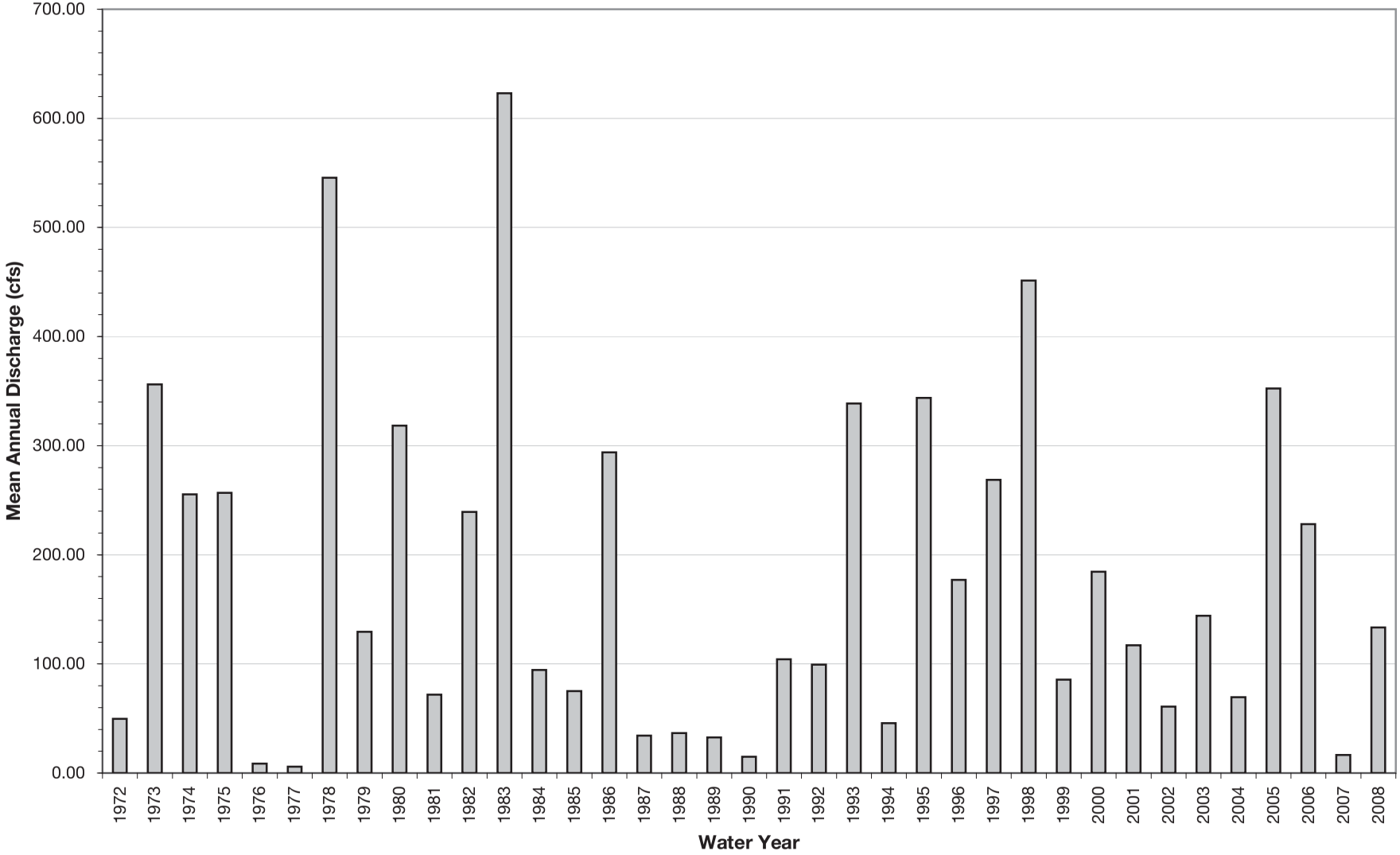
Agency	Gage No.	Water Year	Mean Annual Flow (cfs)
USGS	11141280	1968	4.28
USGS	11141280	1969	34.50
USGS	11141280	1970	6.38
USGS	11141280	1971	5.38
USGS	11141280	1972	2.63
USGS	11141280	1973	16.90
USGS	11141280	1974	12.30
USGS	11141280	1975	6.49
USGS	11141280	1976	2.50
USGS	11141280	1977	1.89
USGS	11141280	1978	20.90
USGS	11141280	1979	6.08
USGS	11141280	1980	17.40
USGS	11141280	1981	8.87
USGS	11141280	1982	11.60
USGS	11141280	1983	37.30
USGS	11141280	1984	8.93
USGS	11141280	1985	5.22
USGS	11141280	1986	13.90
USGS	11141280	1987	4.68
USGS	11141280	1988	3.92
USGS	11141280	1989	3.35
USGS	11141280	1990	1.99
USGS	11141280	1991	3.82
USGS	11141280	1992	4.90
USGS	11141280	1993	11.70
USGS	11141280	1994	3.59
USGS	11141280	1995	19.80
USGS	11141280	1996	10.60
USGS	11141280	1997	23.10
USGS	11141280	1998	36.00
USGS	11141280	1999	7.39
USGS	11141280	2000	9.44
USGS	11141280	2001	8.90
USGS	11141280	2002	3.56
USGS	11141280	2003	4.63
USGS	11141280	2004	6.18
USGS	11141280	2005	15.70
USGS	11141280	2006	11.10
USGS	11141280	2007	3.12
USGS	11141280	2008	6.26

Kendall Rank Correlation for Column 1, Column 2

Score	-14.000
Tau	-.017
Z-Value	-.157
P-Value	.8751
Tau corrected for ties	-.017
Tied Z-Value	-.157
Tied P-Value	.8751
# Ties, Column 1	0
# Ties, Column 2	0

9 cases were omitted due to missing values.

USGS 11148900 Nacimiento River - Index Station 2



11148900_NacimientoR_maq.xls : CHT

USGS 11148900 NACIMIENTO R BL SAPAQUE C NR BRYSON CA

Agency	Gage No.	Water Year	Mean Annual Flow (cfs)
USGS	11148900	1972	49.60
USGS	11148900	1973	356.10
USGS	11148900	1974	255.40
USGS	11148900	1975	256.80
USGS	11148900	1976	8.62
USGS	11148900	1977	5.74
USGS	11148900	1978	545.70
USGS	11148900	1979	129.40
USGS	11148900	1980	318.30
USGS	11148900	1981	71.80
USGS	11148900	1982	239.30
USGS	11148900	1983	623.00
USGS	11148900	1984	94.50
USGS	11148900	1985	75.20
USGS	11148900	1986	293.90
USGS	11148900	1987	34.30
USGS	11148900	1988	36.60
USGS	11148900	1989	32.60
USGS	11148900	1990	14.90
USGS	11148900	1991	104.30
USGS	11148900	1992	99.30
USGS	11148900	1993	338.70
USGS	11148900	1994	45.70
USGS	11148900	1995	343.90
USGS	11148900	1996	177.00
USGS	11148900	1997	268.60
USGS	11148900	1998	451.30
USGS	11148900	1999	85.60
USGS	11148900	2000	184.40
USGS	11148900	2001	117.00
USGS	11148900	2002	60.90
USGS	11148900	2003	144.20
USGS	11148900	2004	69.40
USGS	11148900	2005	352.40
USGS	11148900	2006	228.10
USGS	11148900	2007	16.50
USGS	11148900	2008	133.50

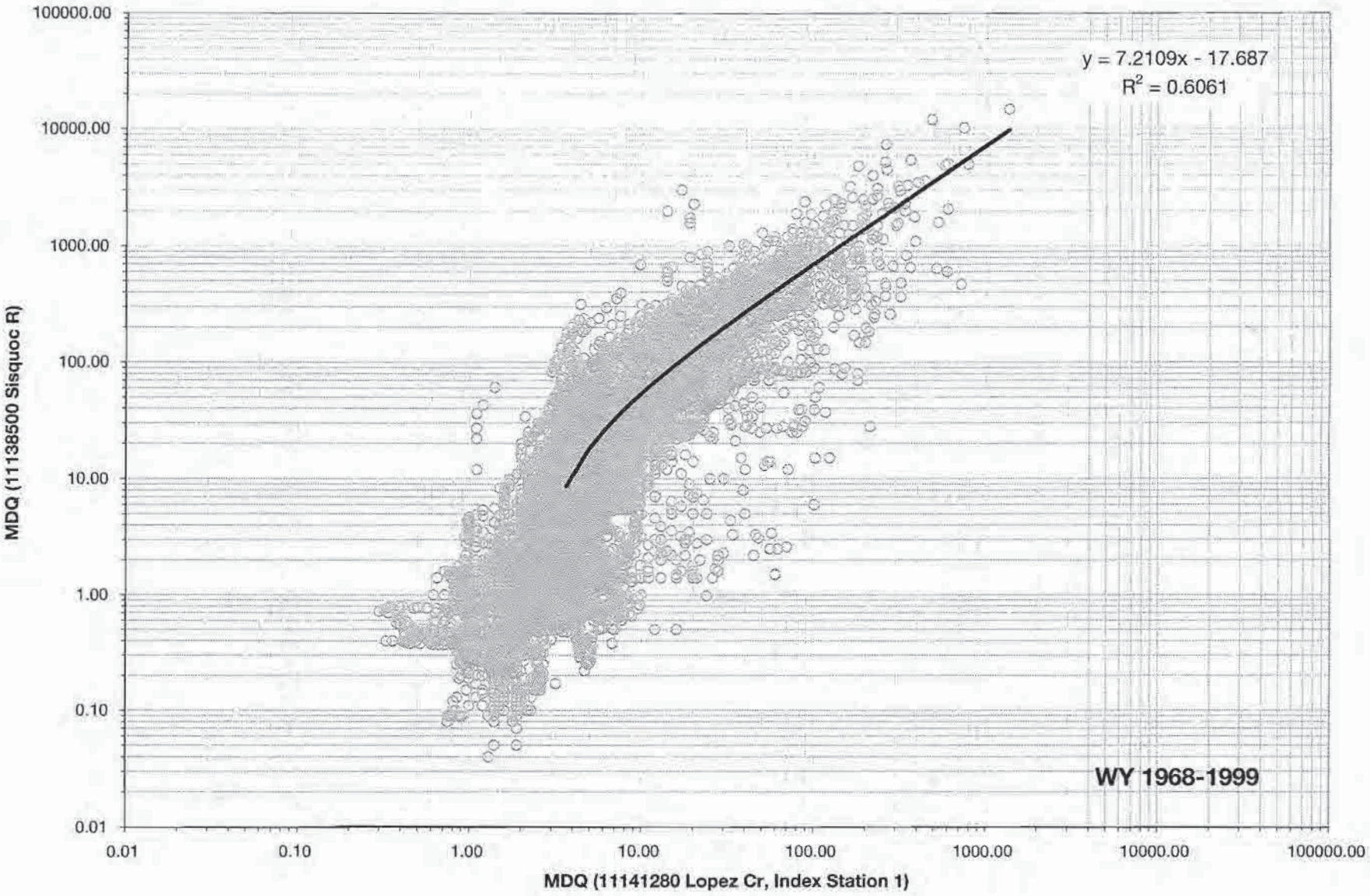
Kendall Rank Correlation for Column 1, Column 2

Score	-4.000
Tau	-.006
Z-Value	-.052
P-Value	.9583
Tau corrected for ties	-.006
Tied Z-Value	-.052
Tied P-Value	.9583
# Ties, Column 1	0
# Ties, Column 2	0

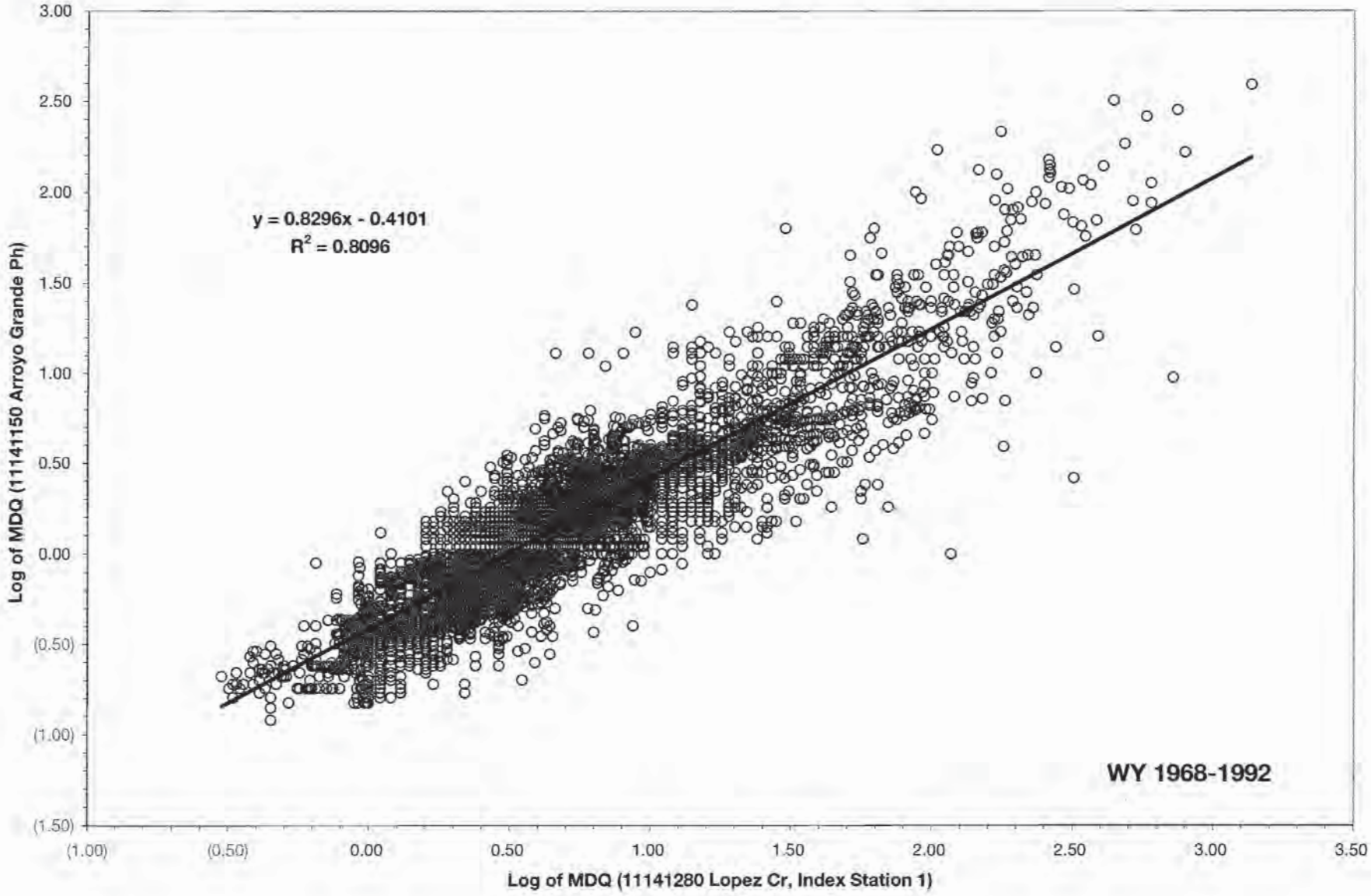
13 cases were omitted due to missing values.

Attachment 3

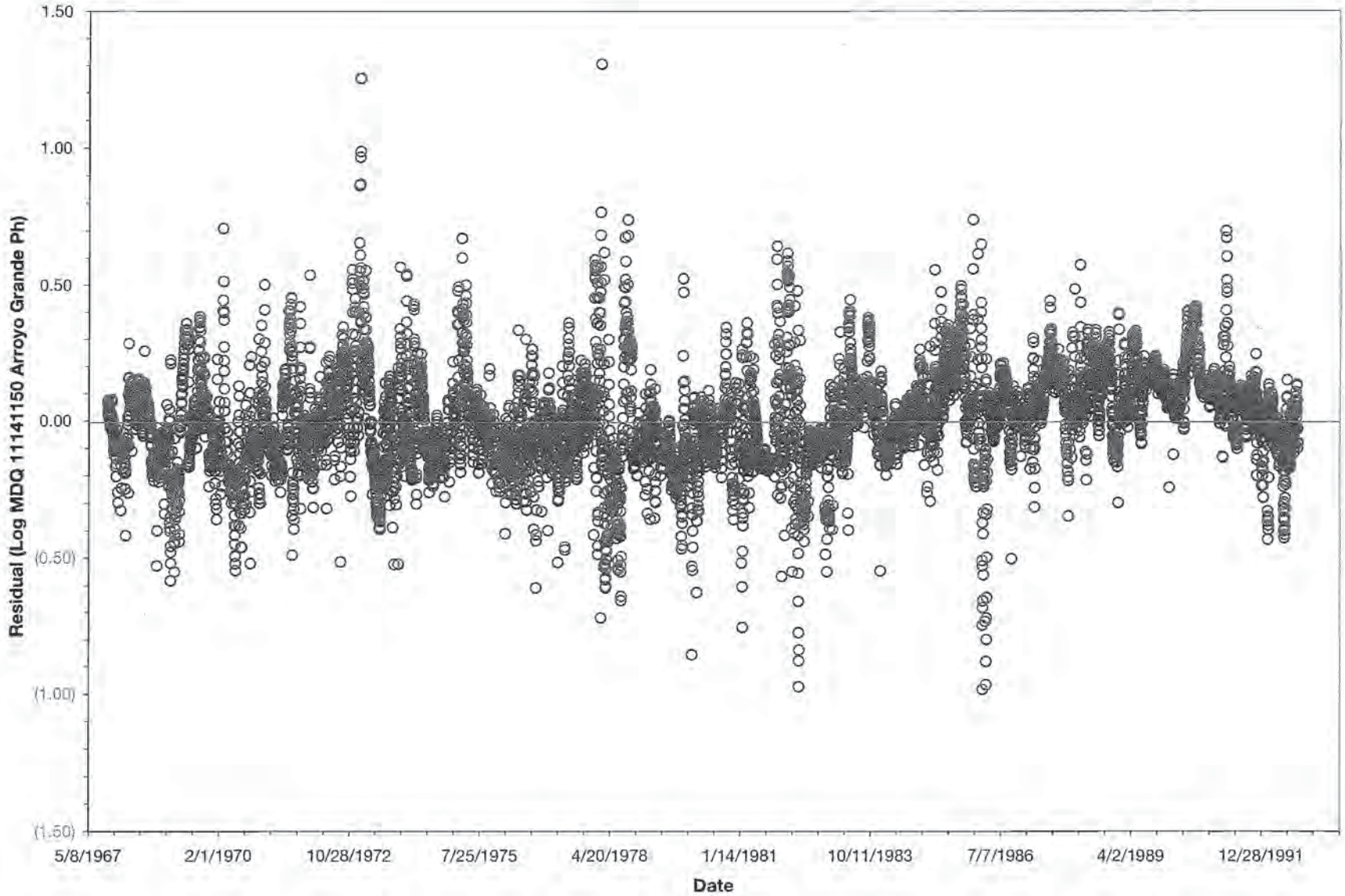
Index and Study Station Regression Analysis

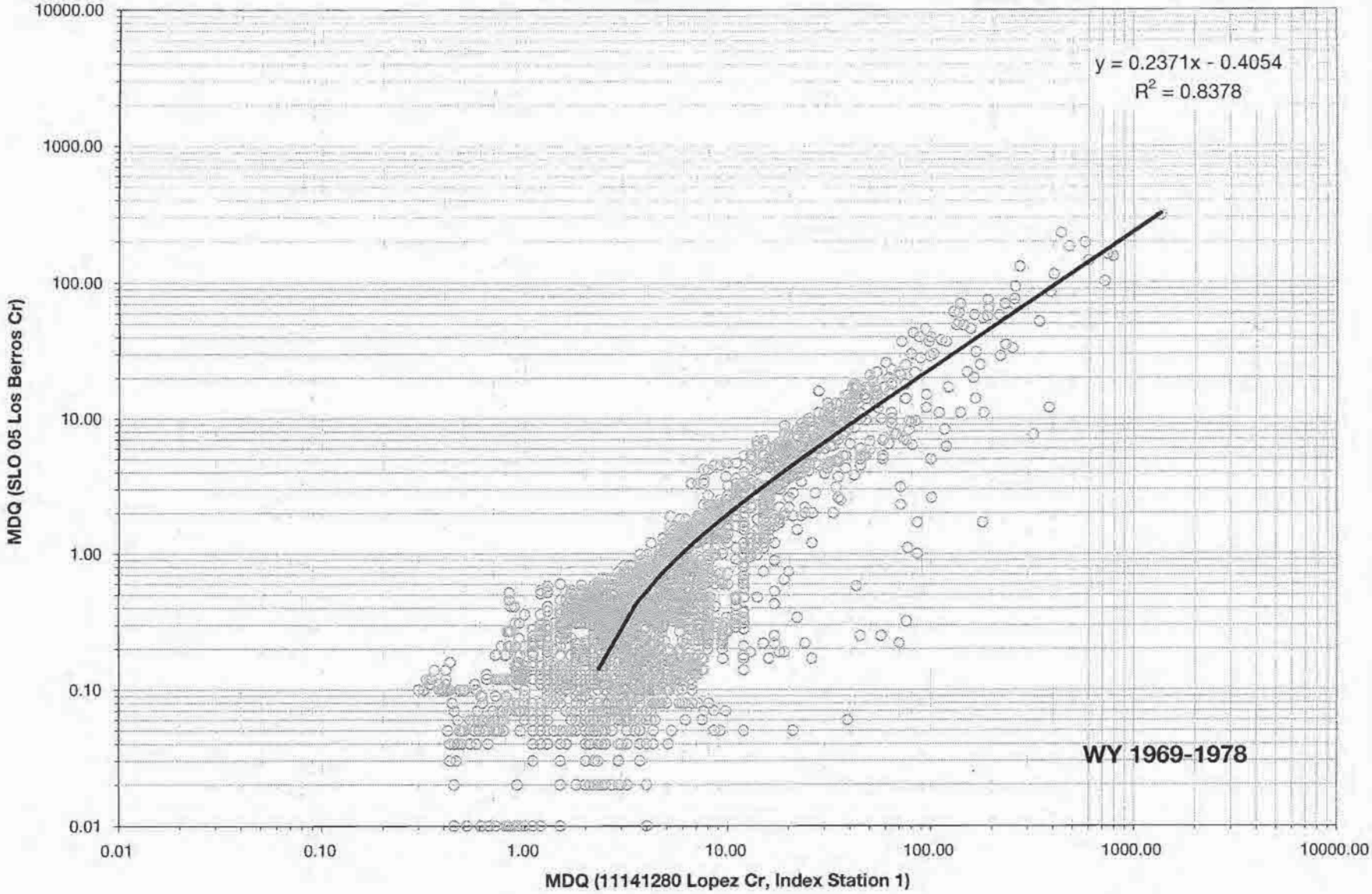


EnvDemand_Regression Analysis 11 11 2009.xls : IND1vsSTD1

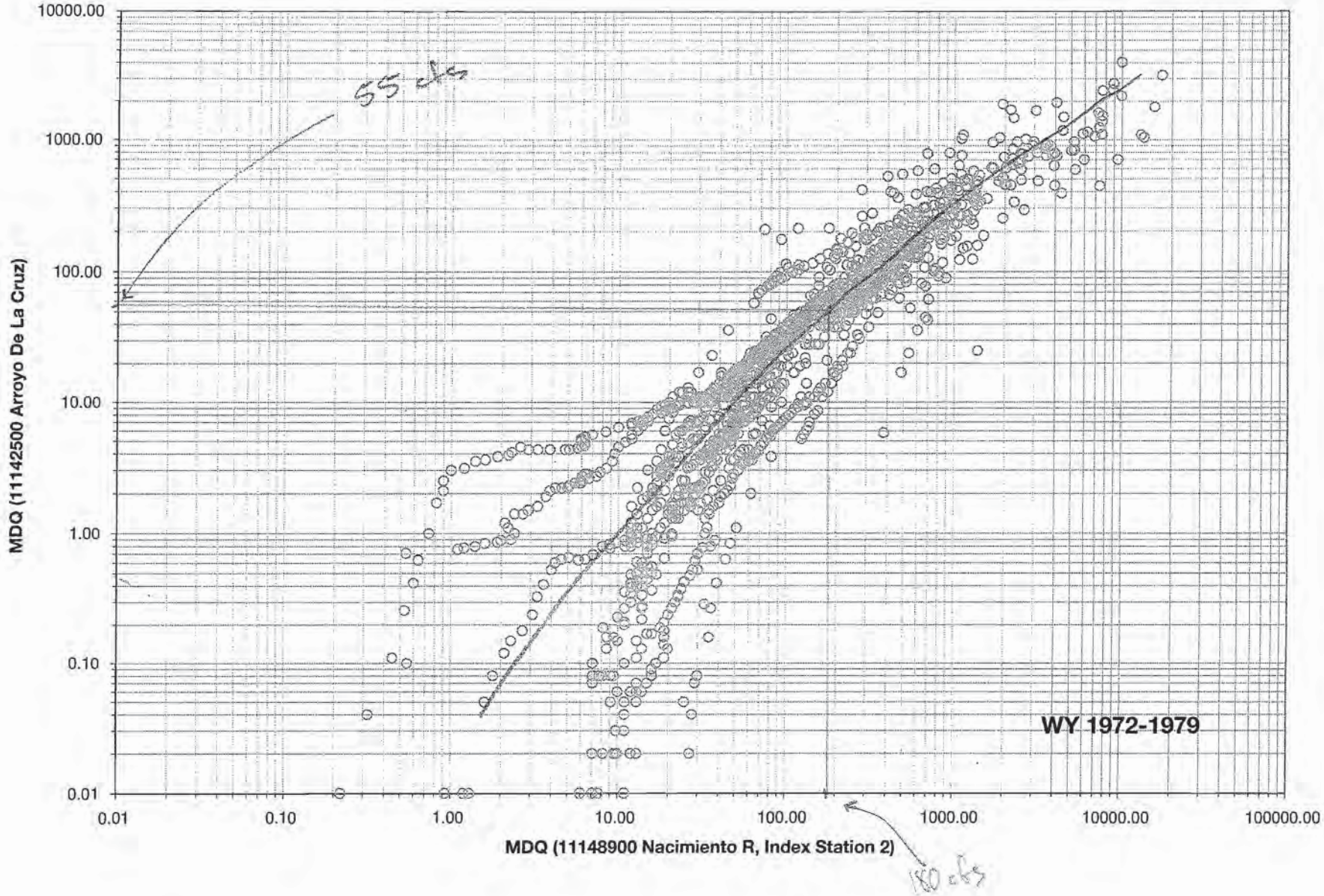


EnvDemand_Regression Analysis 11 11 2009.xls : IND1vsSTD2 log

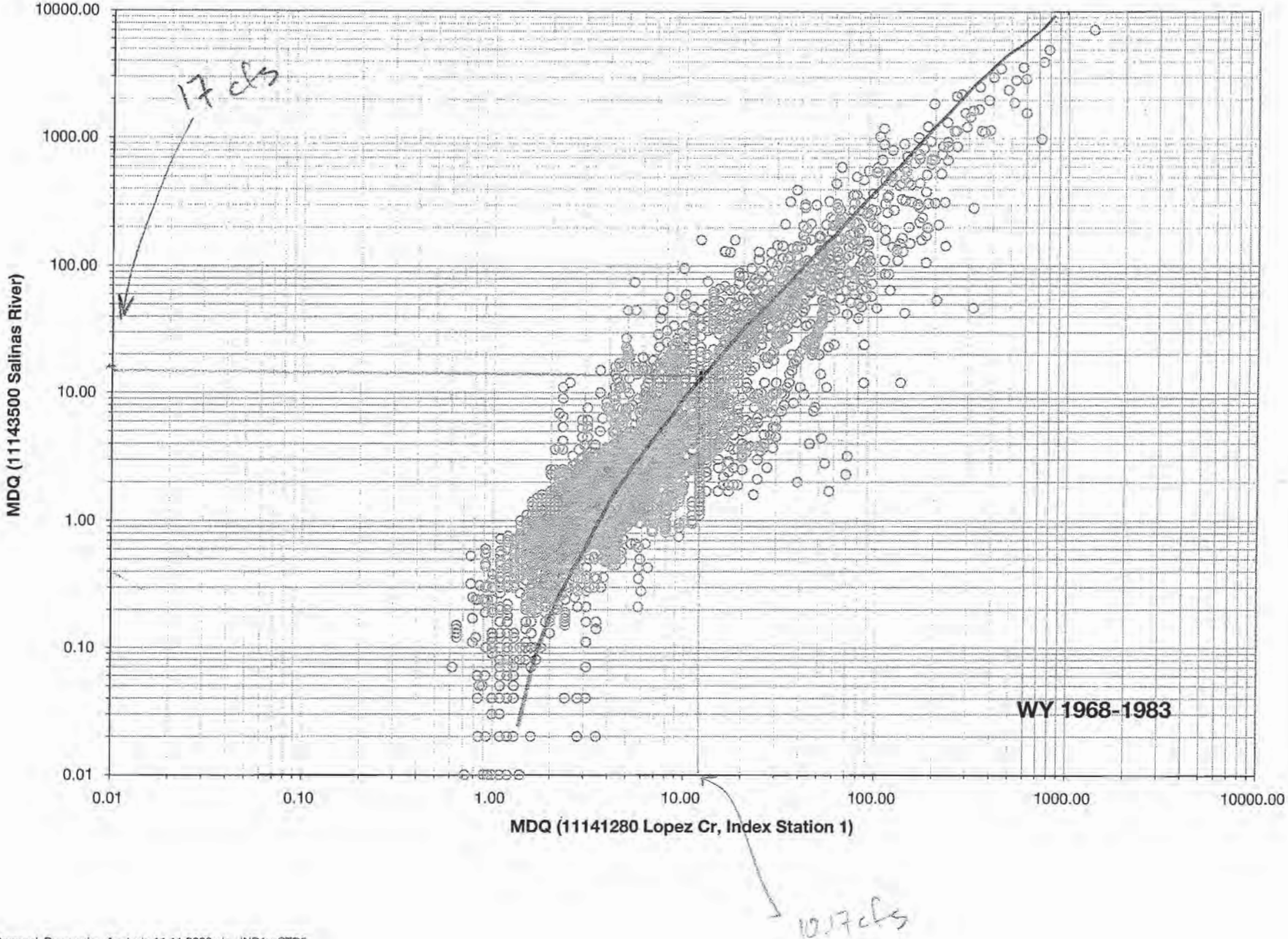

1.50
1.00
0.50
0.00
(0.50)
(1.00)
(1.50)
Residual (Log MDQ 11141150 Arroyo Grande Ph)
5/8/1967
2/1/1970
10/28/1972
7/25/1975
4/20/1978
1/14/1981
10/11/1983
7/7/1986
4/2/1989
12/28/1991
Date



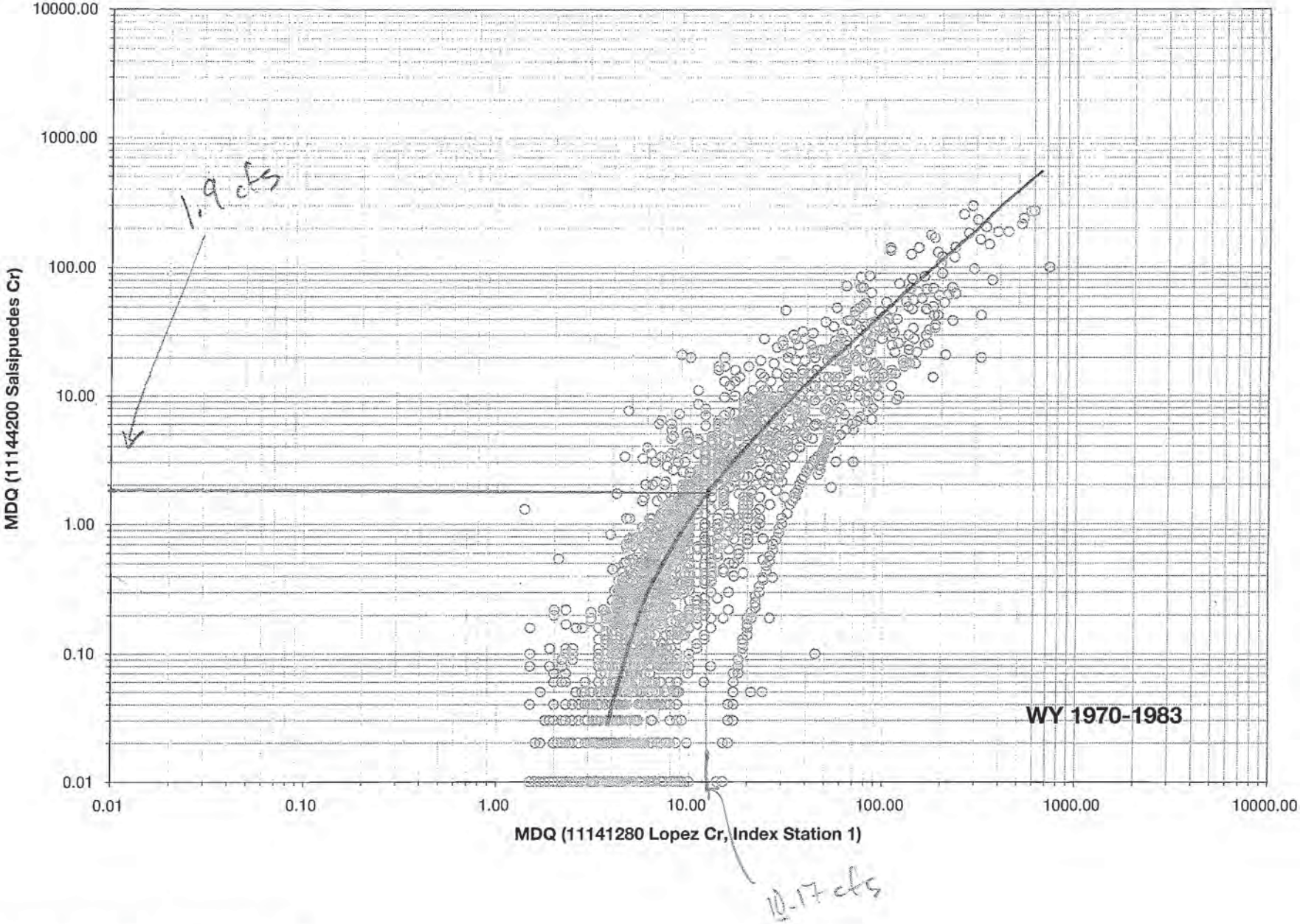
EnvDemand_Regression Analysis 11 11 2009.xls : IND1vsSTD3



EnvDemand_Regression Analysis 11 11 2009.xls : IND2vsSTD4



EnvDemand_Regression Analysis 11 11 2009.xls : IND1vsSTD5



EnvDemand_Regression Analysis 11 11 2009.xls : IND1vsSTD6

Attachment 4

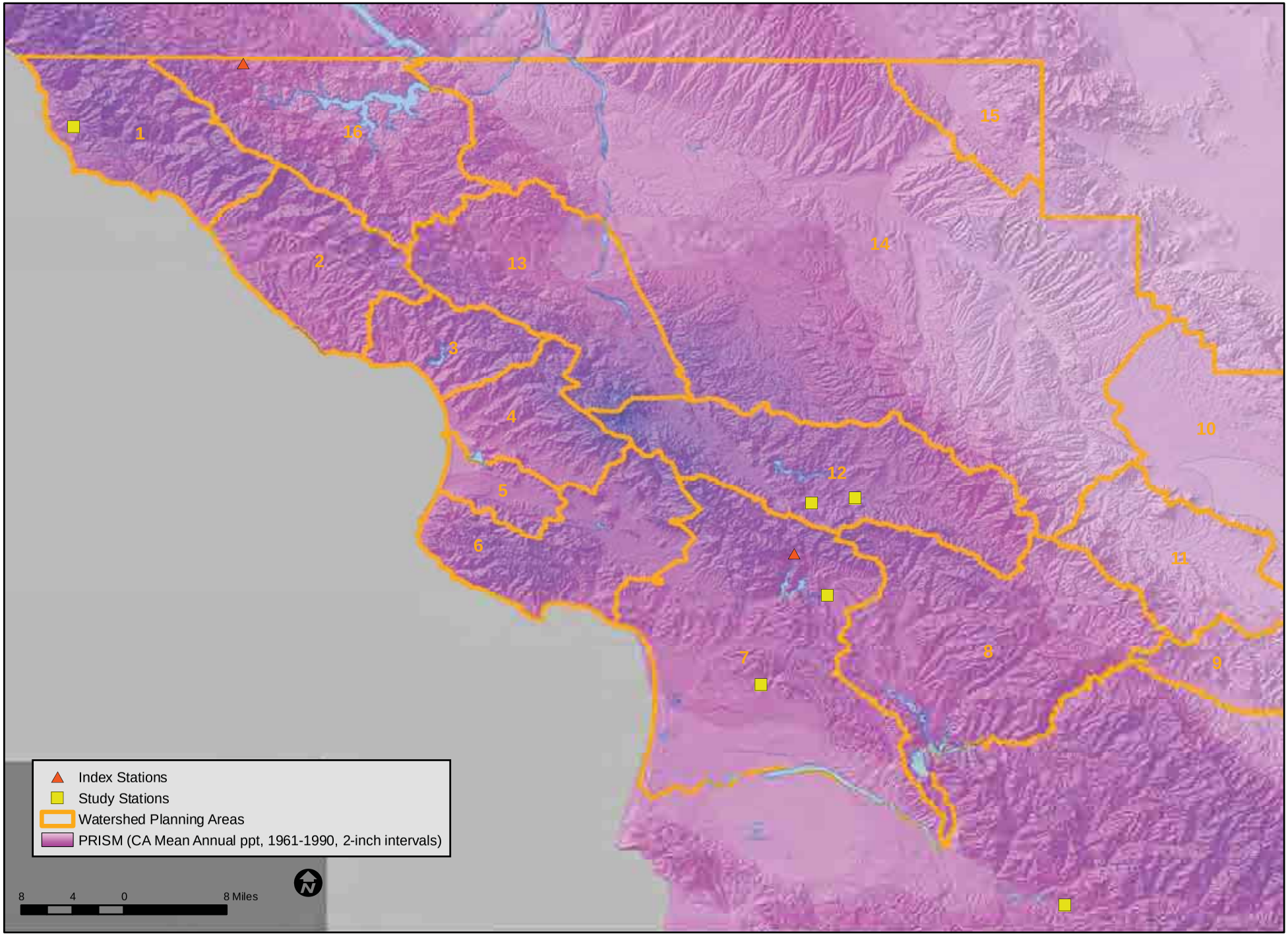
Weighted Mean Annual Discharge (Arroyo Grande and Sisquoc River)

Weighted Mean Annual Discharge (MAD) Calculation

	11141150 Arroyo Grande Ph				11138500 Sisquoc R			
	MAD (cfs)	water year range	years	count (days)	MAD (cfs)	water year range	years	count (days)
MAD (cfs):								
range1 (from gage data)	2.44	1972-1992	21	7670	56.93	1972-1999	28	10227
range2 (from regression)	2.91	1993-2008	16	5844	37.48	2000-2008	9	3287
Weighted MAD (1972-2008) (cfs)	**2.64**				**52.20**			

Attachment 5

Unit Mean Annual Discharge for Index and Study Stations


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Index Stations
Study Stations
Watershed Planning Areas
PRISM (CA Mean Annual ppt, 1961-1990, 2-inch intervals)
8
4
0
8 Miles
N

Mean Annual Discharge - Index/Study Stations
(WY 1972-2008)

WPA #	7	16	S. of 8	7	7	1	12	12
WPA Name	South Coast	Nacimiento	Huasna Valley	South Coast	South Coast	San Simeon	Santa Margarita	Santa Margarita
Station Name	Lopez Creek	Nacimiento River	Sisquoc River	Arroyo Grande Ph	Los Berros Creek	Arroyo DeLa Cruz	Salinas River	Salsipuedes Creek
Station No.	11141280	11148900	11138500	11141150	11141600	11142500	11143500	11144200
Station ID	Index 1	Index 2	Study Sta 1	Study Sta 2	Study Sta 3	Study Sta 4	Study Sta 5	Study Sta 6
Latitude	35.235530	35.788579	34.839722	35.188586	35.088032	35.717190	35.298585	35.292752
DA (mi^2)	20.9	162.0	281.0	13.5	15.0	41.2	70.3	5.9
General Regime	Perennial	Ephemeral	Perennial	Perennial	Perennial [1]	Ephemeral	Perennial	Ephemeral
MAD (cfs)	10.17	180.02	52.20	2.64	2.01	55.00	17.00	1.90
Unit MAD (cfs/mi^2)	0.49	1.11	0.19	0.20	0.13	1.33	0.24	0.32
MAD (acre-feet)	7,370	130,453	37,827	1,913	1,457	39,856	12,319	1,377

Notes:
1 Based on water years 1969-1978 (i.e., the USGS data only)

EWD - SUMMARY
(WY 1972-2008)

WPA #	**1**								
WPA Name	**San Simeon**								
Station Name				Arroyo de la Cruz				Pico Cr	
Station No.									
Station ID	11	12	13	14	15	16	17	18	
Latitude	35.782313	35.772307	35.738701	35.724013	35.680381	35.680016	35.660101	35.650794	
DA (mi^2)	3.3	17.1	5.0	43.4	8.8	6.5	15.2	15.2	
Unit MAD derived from:	Ind2, Std4	Ind2, Std4	Ind2, Std4	Std4	Ind2, Std4	Ind2, Std4	Ind2, Std4	Ind2, Std4	
Unit MAD (cfs/mi^2)	1.22	1.22	1.22	1.33	1.22	1.22	1.22	1.22	
MAD (cfs)	3.98	20.83	6.09	57.71	10.70	7.88	18.51	18.51	
MAD (acre-feet)	2,882	15,091	4,412	41,819	7,753	5,711	13,411	13,411	
Adult Demand (Dec-Apr):									
(cfs)	8.35	28.29	11.43	59.97	17.32	13.83	25.94	25.94	
(cfs/mi^2)	2.56	1.66	2.29	1.38	1.97	2.14	1.71	1.71	
(acre-feet)	2,506	8,491	3,430	17,996	5,197	4,149	7,783	7,783	
Juvenile Demand (May-Nov):									
(cfs)	4.38	11.68	5.62	21.31	7.82	6.52	10.81	10.80	
(cfs/mi^2)	1.34	0.68	1.13	0.49	0.89	1.01	0.71	0.71	
Annual 0 flow days (%)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
(acre-feet)[1]	907	2,420	1,164	4,415	1,620	1,351	2,239	2,237	
Annual EWD (acre-feet) [2]	**2,882**	**10,911**	**4,412**	**22,410**	**6,817**	**5,500**	**10,022**	**10,021**	
Annual EWD ($acre\text{-}feet/mi^2$)	**884.1**	**639.2**	**884.1**	**516.5**	**777.3**	**851.4**	**660.7**	**660.6**	
Unimpaired MAD for WPA (acre-ft)									**104,491**
Annual EWD for WPA (acre-ft)									**72,975**
EWD/MAD (%)									**69.8%**

Notes:
1 Excludes estimated no. of days with no flow
2 If the calculated EWD is greater than the calculated MAD, then EWD is assumed to be equal to the MAD.

EWD - SUMMARY
(WY 1972-2008)

WPA #	**2**			**3**		
WPA Name	**Cambria**			**Cayucos**		
Station Name	San Simeon Cr	Santa Rosa Cr	Villa Cr	Cayucos Cr		Toro Cr
Station No.						
Station ID	21	22	23	31	32	33
Latitude	35.617505	35.558596	35.507583	35.482575	35.481812	35.453110
DA (mi^2)	34.8	47.5	25.9	18.0	24.1	15.4
Unit MAD derived from:	Ind2	Ind2	Ind2	Ind1, Ind2	Ind1, Ind2	Ind1, Ind2
Unit MAD (cfs/mi^2)	1.11	1.11	1.11	0.80	0.80	0.80
MAD (cfs)	38.62	52.73	28.78	14.41	19.30	12.30
MAD (acre-feet)	27,984	38,207	20,857	10,441	13,983	8,916
Adult Demand (Dec-Apr):						
(cfs)	44.60	56.11	35.91	21.57	26.75	19.20
(cfs/mi^2)	1.28	1.18	1.39	1.20	1.11	1.25
(acre-feet)	13,384	16,837	10,777	6,472	8,026	5,761
Juvenile Demand (May-Nov):						
(cfs)	16.66	19.96	13.89	9.20	10.94	8.36
(cfs/mi^2)	0.48	0.42	0.54	0.51	0.45	0.54
Annual 0 flow days (%)	30.0	30.0	30.0	30.0	30.0	30.0
(acre-feet)[1]	3,452	4,135	2,877	1,905	2,266	1,732
Annual EWD (acre-feet) [2]	**16,836**	**20,972**	**13,655**	**8,377**	**10,292**	**7,492**
Annual EWD ($acre\text{-}feet/mi^2$)	**483.9**	**441.5**	**526.6**	**465.1**	**426.7**	**487.2**
Unimpaired MAD for WPA (acre-ft)			**87,049**			**33,340**
Annual EWD for WPA (acre-ft)			**51,463**			**26,162**
EWD/MAD (%)			**59.1%**			**78.5%**

Notes:
1 Excludes estimated no. of days with no flow
2 If the calculated EWD is greater than the calculated M.

DRAFT - SUBJECT TO REVISION

EWD - SUMMARY
(WY 1972-2008)

WPA #	**4**		**5**	**6**			
WPA Name	**Morro Bay**		**Los Osos**	**SLO/Avila**			
Station Name	Morro Cr	Chorro Cr	Los Osos Cr				SLO Cr
Station No.							
Station ID	41	42	51	61	62	63	64
Latitude	35.419954	35.360460	35.297121	35.272507	35.238282	35.198003	35.259129
DA (mi^2)	28.4	46.5	23.1	12.4	17.2	16.4	83.0
Unit MAD derived from:	Ind1, Ind2	Ind1, Ind2	Ind1	Ind1	Ind1	Ind1	Ind1
Unit MAD (cfs/mi^2)	0.80	0.80	0.49	0.49	0.49	0.49	0.49
MAD (cfs)	22.72	37.22	11.31	6.07	8.44	8.06	40.66
MAD (acre-feet)	16,464	26,969	8,199	4,396	6,118	5,838	29,465
Adult Demand (Dec-Apr):							
(cfs)	30.17	43.40	18.05	11.40	14.54	14.05	46.33
(cfs/mi^2)	1.06	0.93	0.78	0.92	0.84	0.85	0.56
(acre-feet)	9,053	13,024	5,416	3,421	4,365	4,216	13,902
Juvenile Demand (May-Nov):							
(cfs)	11.99	16.00	7.86	5.42	6.58	6.38	16.74
(cfs/mi^2)	0.42	0.34	0.34	0.44	0.38	0.39	0.20
Annual 0 flow days (%)	30.0	30.0	30.0	30.0	30.0	30.0	30.0
(acre-feet)[1]	2,485	3,316	1,629	1,124	1,364	1,322	3,469
Annual EWD (acre-feet) [2]	**11,538**	**16,340**	**7,045**	**4,396**	**5,728**	**5,539**	**17,371**
Annual EWD ($acre\text{-}feet/mi^2$)	**406.3**	**351.2**	**305.1**	**355.1**	**332.5**	**336.9**	**209.3**
Unimpaired MAD for WPA (acre-ft)		**43,433**	**8,199**				**45,816**
Annual EWD for WPA (acre-ft)		**27,878**	**7,045**				**33,034**
EWD/MAD (%)		**64.2%**	**85.9%**				**72.1%**

Notes:
1 Excludes estimated no. of days with no flow
2 If the calculated EWD is greater than the calculated M.

EWD - SUMMARY
(WY 1972-2008)

WPA #	**7**					**8**		
WPA Name	**South Coast**					**Huasna Valley**		
Station Name	Pismo Cr	Arroyo Grande				Huasna R	Alamo Cr/Huasna R	
Station No.								
Station ID	71	72	73	74	75	81	82	83
Latitude	35.202812	35.170851	35.036416	35.029204	34.959284	35.157884	35.132654	35.087447
DA (mi^2)	40.3	151.8	28.9	13.3	11.9	118.5	100.2	24.2
Unit MAD derived from:	Ind1	Ind1, Std2, Std3	Std3	Std3	Std3	Std2, Std3, Std6	Std1, Std2, Std3	Std1, Std2, Std3
Unit MAD (cfs/mi^2)	0.49	0.27	0.13	0.13	0.13	0.22	0.17	0.17
MAD (cfs)	19.75	40.99	3.75	1.73	1.55	26.07	17.03	4.11
MAD (acre-feet)	14,310	29,701	2,719	1,252	1,122	18,892	12,344	2,981
Adult Demand (Dec-Apr):								
(cfs)	27.21	46.60	8.00	4.52	4.17	33.39	24.40	8.56
(cfs/mi^2)	0.68	0.31	0.28	0.34	0.35	0.28	0.24	0.35
(acre-feet)	8,164	13,984	2,401	1,356	1,250	10,019	7,322	2,569
Juvenile Demand (May-Nov):								
(cfs)	10.87	16.71	4.01	2.53	2.36	12.77	9.90	4.25
(cfs/mi^2)	0.27	0.11	0.14	0.19	0.20	0.11	0.10	0.18
Annual 0 flow days (%)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
(acre-feet)[1]	2,251	3,463	831	524	489	2,646	2,052	881
Annual EWD (acre-feet) [2]	**10,415**	**17,447**	**2,719**	**1,252**	**1,122**	**12,665**	**9,373**	**2,981**
Annual EWD (acre-feet/mi^2)	**258.4**	**114.9**	**94.2**	**94.2**	**94.2**	**106.9**	**93.5**	**123.2**
Unimpaired MAD for WPA (acre-ft)					**49,103**			**34,217**
Annual EWD for WPA (acre-ft)					**32,956**			**25,019**
EWD/MAD (%)					**67.1%**			**73.1%**

Notes:
1 Excludes estimated no. of days with no flow
2 If the calculated EWD is greater than the calculated M.

EWD - SUMMARY
(WY 1972-2008)

WPA #	**12**			**13**		**16**		
WPA Name	**Santa Margarita**			**Atascadero/Templeton**		**Nacimiento**		
Station Name	Salinas R ab	Salinas R bl		Salinas R	Paso Robles Cr	Nacimiento Gage	Nacimiento N	Nacimiento S
Station No.								
Station ID	121	122	123	131	132	161 (Ind2)	162	163
Latitude	35.305700	35.358765	35.381551	35.524672	35.564448	35.788579	35.748751	35.670447
DA (mi^2)	112.1	43.0	37.4	115.9	68.4	162.0	65.3	84.9
Unit MAD derived from:	Std5, Std6	Ind1, Std6	Ind1, Std6	Ind1, Std6	Ind1, Ind2	Ind2	Ind2	Ind2
Unit MAD (cfs/mi^2)	0.28	0.41	0.41	0.41	0.80	--	1.11	1.11
MAD (cfs)	31.39	17.63	15.33	47.52	54.72	180.02	72.48	94.24
MAD (acre-feet)	22,746	12,776	11,112	34,435	39,653	130,453	52,525	68,291
Adult Demand (Dec-Apr):								
(cfs)	38.28	25.03	22.58	51.97	57.66	138.70	70.94	86.08
(cfs/mi^2)	0.34	0.58	0.60	0.45	0.84	0.86	1.09	1.01
(acre-feet)	11,488	7,510	6,776	15,595	17,304	41,620	21,288	25,831
Juvenile Demand (May-Nov):								
(cfs)	14.41	10.27	9.47	18.72	20.41	42.03	24.44	28.39
(cfs/mi^2)	0.13	0.24	0.25	0.16	0.30	0.26	0.37	0.33
Annual 0 flow days (%)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
(acre-feet)[1]	2,985	2,129	1,963	3,878	4,229	8,707	5,062	5,882
Annual EWD (acre-feet) [2]	**14,473**	**9,638**	**8,739**	**19,473**	**21,533**	**50,327**	**26,350**	**31,713**
Annual EWD ($acre\text{-}feet/mi^2$)	**129.1**	**224.1**	**233.7**	**168.0**	**314.8**	**310.7**	**403.5**	**373.5**
Unimpaired MAD for WPA (acre-ft)			**46,633**		**74,088**			**251,269**
Annual EWD for WPA (acre-ft)			**32,850**		**41,006**			**108,390**
EWD/MAD (%)			**70.4%**		**55.3%**			**43.1%**

Notes:
1 Excludes estimated no. of days with no flow
2 If the calculated EWD is greater than the calculated M.